Chapter 1 - What's new? ........................................................................................................... 1
  Welcome ............................................................................................................................... 1
    Welcome to Lotus Notes, Domino, & Domino Designer 6.5.4 .................................... 1
    License agreement ............................................................................................................ 1
  New features ....................................................................................................................... 1
    New Features in Notes/Domino 6.5.4 ........................................................................ 1
    Improving server performance using the configuration collector .................................. 3
  New enhancements ............................................................................................................. 3
    Controlling the number of concurrent Smart Upgrade downloads .............................. 3
    Custom password policies ............................................................................................... 4
    dominoUNID operational attribute ............................................................................... 5

Chapter 2 - Things you need to know ................................................................................. 7
  A Team Workplace Fixpack needed for Domino 6.5.4 .................................................... 7
  Hotfix necessary for Team Workplace with Domino 6.5.4 ............................................. 7
  Directory install and CD-ROM structure ........................................................................ 7
    CD-ROM directory structure ........................................................................................... 7
    Additional items on Notes Client and Domino Designer CD-ROMs ......................... 10
  Updating the Lotus Domino Toolkit for WebSphere JAR files .................................... 16
  Help databases - usage and availability ......................................................................... 17

Installation .......................................................................................................................... 18
  Installing Lotus Notes 6 .................................................................................................... 18
  Before you upgrade from Release 4.x to Domino 6 ....................................................... 18
  Upgrading to Notes/Domino 6 is supported from 4.5.x ................................................. 18
  Upgrading Lotus Notes must be to the same directory ................................................. 18
  Not all mapped network drives appear when browsing ................................................. 18
  Client install requires Windows Installer Version 2.0 ................................................... 19
  Lotus Notes 6 Installation permissions .......................................................................... 19
  Automated Client configuration ....................................................................................... 19
  How to silently install 6.x client with Upgrade by Mail feature ................................... 21
  To enable Progress Bar during silent Client install ...................................................... 21
  With multi-user Client, turn off Auto Log-on for Sametime ......................................... 21
  Migration from R5 to Domino 6 Shared Mail ................................................................. 21
  Upgrading folder design ................................................................................................. 22
  Custom Welcome page deployment requires ACL change to database .................... 22
  Smart Upgrade by full path method .............................................................................. 22
  Smart Upgrade doesn't support Full Kit install for multi-users .................................. 22
  Smart Upgrade kit document must have text in "Admin Notes" field ............................. 22
  Smart Upgrade: optional arguments for silent incremental install ............................. 23
  Smart Upgrade must upgrade multiple languages together ....................................... 23
  Macintosh - Upgrading Issues ....................................................................................... 23
  Macintosh - Warning dialog during OS X install may be ignored ............................... 23
  Macintosh - Need to rebuild desktop to view new icons ................................................ 23
  Macintosh - Manually remove keychain entry after uninstalling .................................... 23
  Uninstall Designer/Administrator via modify leaves icons behind ............................. 24
  Domino 6 cannot install Partition Server over Single Server ...................................... 24
  Upgrade W32 Domino Server from R4.x to 6 launches Setup again .......................... 24
  Spaces in Domino Server install path will prevent server restart ............................... 24
  Webkits - Installation file unpacking issue .................................................................. 25
  Specify the Server Controller as an NT service at installation ..................................... 25
Unix - Domino 6 multi-version Unix installations .......................................................... 25
Linux - Default network queue parameter should be reset ........................................ 25
Linux - Setting up Domino on Linux for non-'C' locales ........................................ 25
Language Pack installation......................................................................................... 28
Activity Trends Installation....................................................................................... 28
Updating the LSX Toolkit ......................................................................................... 29
ADSync will not work/become active with a node installation .................................. 29
Busytime db in clustered configurations must be manually removed ....................... 29
Configuring Partition Servers using HTTP and TCP/IP port mapping ....................... 30
Use IP addresses ONLY configuring hostname for partition servers ....................... 31
Prerequisite to installing plug-ins from WAS PTF 4.0.3 ........................................... 31
AIX - Concurrent I/O, Direct I/O not supported on Domino servers ......................... 31
Downgrading from Domino 6.5.1 to an earlier Domino release .................................. 32
Installing Domino Access for Microsoft Outlook ..................................................... 32
Installing Domino Web Access 6.5.3 ....................................................................... 36
Scriptable Client Setup and Instant Messaging variables .......................................... 36
Licensing information - Excluded Components ....................................................... 37
Excluded Components information .......................................................................... 37
PERL public license information .............................................................................. 37
pStack public license information ........................................................................... 38
The "Artistic License" ............................................................................................... 42
Carbon Lib license information ................................................................................ 43
DNS Resolver software information ......................................................................... 43
Independent JPEG Group software information ...................................................... 44
Net-SNMP software information ........................................................................... 49
RegExp Parser license information ........................................................................... 50
S/MIME license information .................................................................................... 51
zlib software information ......................................................................................... 52
Platforms and requirements ..................................................................................... 52
Notes and Domino 6.5.4 platforms and system requirements ................................. 52
Domino Web Access system requirements ............................................................... 58
Windows platforms supported ................................................................................. 59
Windows service pack requirements ....................................................................... 60
Windows 2000 - Server monitoring requirements ................................................... 60
Java support on Win32 ............................................................................................. 60
Macintosh PPC platforms supported ......................................................................... 60
Macintosh performance advisory ............................................................................. 60
AIX platforms supported ......................................................................................... 60
AIX - OICP and patch requirements ....................................................................... 61
AIX - bos.iocp.rte 5.1.0.16 needed for 64-bit mode ............................................... 61
AIX - Installing bos.adt.debug ................................................................................. 61
AIX - Java needs X11.adt.lib installed to run AWT ............................................... 61
AIX - Java requires X11.fnt.ucs.ttf for Far Eastern locales .................................... 61
Solaris platforms supported ..................................................................................... 61
Solaris patch requirements ....................................................................................... 62
Solaris requires 64-bit kernel mode ........................................................................... 62
Solaris system settings ............................................................................................. 62
Linux platforms supported ....................................................................................... 62
Linux patch requirements ....................................................................................... 62
Domino for Linux on zSeries service pack requirements ............................................. 63
Domino for Linux on zSeries configuration .............................................................. 63
Domino for Linux on zSeries restrictions .................................................................. 65
Hyper-threaded CPUs treated as SMP systems .......................................................... 65
Citrix support statement............................................................................................ 65
CHECKOS warning messages .................................................................................... 66
Supported versions of Lotus SmartSuite ..................................................................... 66
Supported versions of Microsoft Office ....................................................................... 66
Supported versions of IBM WebSphere ....................................................................... 66
Webmail requirements ............................................................................................... 66
Web browsers supported ............................................................................................ 67
Smartcard support ...................................................................................................... 67
Lotus Components are no longer supported .............................................................. 69
Domino Access for Microsoft Outlook System Requirements .................................. 70

Network protocols and methods .................................................................................. 70
NetBIOS over IPX: Notes and Domino on Windows NT, 2000, or 2003 .................. 70
NetBIOS over IPX: Notes on Windows 98, or XP ..................................................... 70
NetBIOS: Only 256 sessions per NIC on Windows systems ......................................... 71
SPX: Notes and Domino on Windows NT, 2000, or 2003 ....................................... 71
SPX: Notes on Windows 98, or XP ............................................................................ 71
TCP/IP: Domino on UNIX and Linux ........................................................................ 72
TCP/IP: Notes and Domino on Windows NT, 2000, or 2003 ................................. 72
TCP/IP: Notes on Windows 95/98 or XP/2000 .......................................................... 73
IMAP Namespace/Public Folders is problematic with Netscape 7 .............................. 73

International language requirements ........................................................................ 73
Setting a character set for full-text indexing plain-text files ...................................... 73
Server Health Monitoring and Windows Regional settings ....................................... 74
International issues in Java-based Domino Console ................................................ 74
Specifying UCA Collation on servers ...................................................................... 75
UCA - Sorting characters that have more than one pronunciation .............................. 75
Changing the collation rule from ccSTR to UCA ...................................................... 75
Character set ISO-8859-8 will not be used ............................................................... 75
Character set name ‘Windows-874’ changed to ‘TIS-620’ .......................................... 75
DBCS password is legible to a user during setup ....................................................... 75
Encoded field name isn’t decoded when converting from HTML to CD ........................ 75
Input Hindi text during server setup .......................................................................... 76
Linux - ru, ru_RU is defaulting to ru_RU.ISO-8859-5 ................................................ 76
Linux - Turkish locale settings on Linux .................................................................. 76
Product Scope for International Language Versions ............................................... 76
Unicode stand sorting: String comparison result may be different ............................. 78
Statistics pane doesn’t convert data from different regions ....................................... 78
Switching UI Language to English from localized Notes versions ............................ 79
Restrictions using ADSync in Japanese environment ............................................... 79

Security ..................................................................................................................... 79
Internet Access and the Outlook Express Migration tool .......................................... 79
Rename of user through User Security panel, via mail .............................................. 79
Users should locally encrypt databases on multi-user machine .................................. 79

Directories ............................................................................................................... 80
Enabling and using Extended Access in a Domino Domain ...................................... 80
Use "objectclass=dominoPerson" when adding with LDAP ........................................ 80
Client feature changes .................................................................................. 80
Displaying pop-up Help for view icons .......................................................... 80
DocLib template supports the use of groups as reviewers .......................... 80
Document Library (doclibsw6) known issues ............................................. 80
Instant Messaging not shown in Status Bar ................................................ 81
Designer feature changes ............................................................................ 81
Change to "Never" option when discarding a view index ............................... 81
Views and folders with background images need to be resaved .................. 81
Server feature changes .................................................................................. 81
CGI scripts must be fully-qualified in Win32 environments ........................... 81
Default clock type behavior has changed .................................................... 82
Transaction Logging information ................................................................. 82
Web Server: Additions to dynamic HTML generated for sections ............... 82
Web Server: Error 401 is no longer logged to the Server Console ............... 83
Web Server: Special character handling in URLs ........................................ 83
Web Server: Website crawler URL format now disabled by default ............. 84
WebSphere 4.05 and 5.01 plug-ins added ....................................................... 84
Domino Access for Microsoft Outlook .......................................................... 89
Migrating from Exchange to Domino ............................................................. 89
Domino Web Access ....................................................................................... 91
Getting Domino Web Access information .................................................. 91
Default "Use UTF-8 for HTML forms = NO" in web site document .............. 91
Additional configuration settings for Domino Web Access ......................... 91
Changing your internet password in Domino Web Access ......................... 93
Configuration settings for Sametime on Domino Web Access ..................... 94
Delegate cannot read or send encrypted mail in Domino Web Access .......... 95
Disable drag and drop and in-place editing in your Calendar ....................... 95
Domino Web Access as default mail client for IE only ................................. 95
Domino Web Access in Portal Views ............................................................ 95
Domino Web Access limitations on Linux Mozilla ........................................ 96
Domino Web Access offline language issue ................................................ 98
iNotes_WA_SametimeJavaConnect default setting is incorrect .................. 98
iNotes_WA_STLinksCodebase=URL no longer applicable ......................... 98
Offline limitation using Netscape ............................................................... 98
Rename process for the Domino Web Access user ....................................... 99
Sametime configuration for Domino Web Access ....................................... 99
Sametime Integration does not work with JRE 1.4.1_05 ............................. 101
Selecting the Domino Web Access N/D 6 mail template ............................. 101
Spell check character set should match server OS ...................................... 101
Switching from Domino Web Access to WebMail ....................................... 101
Synchronize Domino Web Access Instant Messaging contacts .................. 101
Temp directories are removed after Domino Web Access session .............. 102
Using Attachments in Domino Web Access ............................................... 102
Using Domino Web Access Redirect with portal views ............................ 102
WebSphere Edge Server reverse proxy does not support GZIP .................. 102
Java-based server setup ............................................................................. 102
Dialup settings in Additional Server Setup ............................................... 102
Domino Directory file names other than "names.nsf" ................................. 103
NCSOW.jar and NCSOC.jar removed from the kit.............................................................. 103
Reusing ID's in Domino Setup .................................................................................. 103
Unlocking Unix system displays for running Domino Java Setup ........................ 103
Windows 2000 - Wrong path to save admin.id ...................................................... 104
Domino 6 Remote Server Setup requires Java 2 Version 1.3.1 ............................... 104
Domino Profile Setup can't get System databases from filesystem ...................... 104
Linux - Using Bi-Di organization name will cause setup to freeze ..................... 105
Remote server Setup from Unix to W32 cannot be Silent ...................................... 105
JavaConsole supports maximum 236 character directory name ............................ 105
JVM is required to view Notes Web pages ............................................................. 105
NCSO.jar now requires a Java 2 environment ....................................................... 105
Roaming User setup .............................................................................................. 106
After name change, ACL of roaming databases need to be updated ...................... 106
Before upgrade Roaming Databases must be in Notes Data directory .................... 106
Changes to Roaming Cleanup Setting only propagated during Setup .................... 106
Dynamic client configuration needed for upgrade to roaming user ....................... 106
If User Dictionary or ID file are busy, changes won’t roam ................................... 106
Location must point to server address if LAN connection needed ....................... 106
May get wrong message if non-roaming database fails to replicate ...................... 107
Need to downgrade and upgrade to change Roaming ID storage ...................... 107
Roaming ID’s have extension of .id, and will be called user.id ............................... 107
Roaming password changes to Mac need to disable keychaining ....................... 107
Roaming Server and Roaming Replica Servers ..................................................... 107
Roaming server must be available for upgrade ..................................................... 108
Roaming user should authenticate with 6.0 Server when setting up ...................... 108
Roaming users should always replicate changes to roaming server ...................... 108
Roaming users should not use gridded bookmarks .............................................. 108
Setup policies are not supported for roaming users .............................................. 108
Specify roaming user directory path in Roaming Upgrade dialog ........................ 108
Turn off Password Checking for roaming users if unable to set up ..................... 108
User Dictionary won’t roam between different native platforms ....................... 109
Win95/98 - Roaming users only cleaned up when another user exits .................... 109

Chapter 3 - Troubleshooting .................................................................................. 111
Installation issues ................................................................................................. 111
No error checking for a Replication field setting ................................................. 111
Multiple User Client Installation information ..................................................... 111
Windows 2000 Single Logon password synchronization ....................................... 111
Single Logon - Need Admin rights and restart after install .................................. 112
Install issue with OLEAUT32.DLL and OLEPRO32.DLL ......................................... 112
Scriptable Client Setup & dialup connections ...................................................... 112
Data Transfer Error during installation ............................................................... 113
Full-text indexes must be rebuilt upgrading to Notes/Domino 6 ......................... 113
Macintosh Client Error " ... 'NotesLib' could not be found" .................................. 113
Time Range cannot span midnight for Client Setup ........................................... 113
Win95 - Client install requires 'shfolder.dll' ....................................................... 114
Error 1607: Unable to install InstallShield Scripting Runtime ............................. 114
For verification of a silent install, add "+" to the command ..................................... 114
If the client install fails while installing .............................................................. 114
Mac OS X - Problems connecting to network drives ........................................... 115
Macintosh - Don’t rename the Notes Install Disk folder .......................................................... 115
Macintosh OS X - Install folder to desktop ........................................................................ 115
Notes Single Logon & Windows Terminal Server/Client ...................................................... 115
Please Replace (not Refresh) design for the Mail Journaling db ........................................ 115
Renaming desktop icons will have to be manually deleted .................................................. 116
Server upgrade may not remove obsolete files ................................................................. 116
UNIX - Previously installed language pack should be removed ........................................... 116
UNIX - remote install causes different ownership of files ................................................... 116
Upgrading or installing Notes 6 after a disk failure ............................................................. 116
Windows Explorer shows the old brand icons for Notes/Domino ......................................... 116
Domino 6 Setup overwrites ServerTasks line in Notes.INI ................................................ 117
Back button error in silent install for partitioned server ....................................................... 117
Macintosh - Macintosh Installer and Notes ALM feature .................................................... 117
Notes/Domino 6 cannot be installed into a non-ASCII name folder ...................................... 118
R4.x Server has problems upgrading to Domino 6 ................................................................. 118
Upgrading Single Logon Install still has this feature enabled ............................................... 118
WebAdmin - no route to the destination address .................................................................. 118
Instant Messaging Proxy Password doesn’t flow through .................................................... 119
Scriptable Client Setup for Roaming Users .......................................................................... 119
Scriptable Client Setup & deployment to multiple users ....................................................... 119
Scriptable Client Setup & Instant Messaging configuration .................................................. 120
Scriptable Client Setup & the ‘AdditionalServices’ variable ............................................... 120
Scriptable Client Setup: ‘Destination path does not exist’ error ........................................... 120
Setup fails if Policy doc was edited by Admin w/ removed access ......................................... 121
Tips for using Transforms for Client installs ....................................................................... 121
Accessibility issues .............................................................................................................. 121

Duplicated field names and descriptions for accessibility aids ............................................ 121
Meaning of ”Access Name” field property ........................................................................... 122
No field contents being announced by screen readers ....................................................... 122
Applet issues ....................................................................................................................... 122

Windows 95 - Java Applets are not supported ...................................................................... 122
Windows 95 - Java is not supported ..................................................................................... 122
Changes to rich-text applets may not appear without refresh .............................................. 122
Application Design issues ................................................................................................ 123

HTML Source Editor: List type fields not returned as Form fields ...................................... 123
Date/time format changes in Notes/Domino 6 ...................................................................... 123
Field value cannot be used as formula in Domino 6 ............................................................. 123
MS Installer runs when accessing page with edit control ..................................................... 123
Signature of embedded applet changed to signature of modifier .......................................... 124
Migrating servlets from R5 to Notes/Domino 6 .................................................................... 124
Using Style Sheets with Netscape 4.x .................................................................................. 124
Changing an editable Field/Formula column to simple function ....................................... 124
Custom-designed 'twisties' ................................................................................................. 124
Embedded calendar view needs to be sized properly ......................................................... 124
Embedded outline issues .................................................................................................... 125
Frameset-Selecting fields in Fields & Functions dialog crash ............................................. 125
Known issues with Programmed Tables ............................................................................. 125
Layer issues ....................................................................................................................... 125
LotusScript Debugger cannot test Query and Post DragDrop events ................................. 126
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes Contents

Calendar and scheduling issues .............................................................. 129
  'My reservations' view of Room and Resource database ...................... 129
  Dragging entry slider on conflicting Calendar entry ......................... 129
  "In View Edit" adds information to the 'Subject' field ....................... 130
  Error dragging/dropping meeting with different End Time Zone ........... 130
  Fields not displaying on Group To Do when Alarms are enabled .......... 130
  Importing holidays into the server Name and Address book ............... 130
  In-View Edit feature doesn't work with Alternate Names option ......... 130
  Meeting form prompts to Save when no changes made ...................... 130
  Repeating reservations in Resource Reservations cannot be edited ....... 131
  Room Wait for Approval document not updated with meeting changes ... 131
  Scheduler/Find room search is not all inclusive ............................ 131
  Some actions in a C&S event unnecessarily cause a Prompt to Save ........ 131
  Unable to accept a meeting invitation previously declined ............. 131
  User with "Reader" access: No access to C&S entry from Internet ........ 131
  Accepting Reschedules from the Meetings View .............................. 132
  An Encrypted meeting via Internet generates two e-mails ............... 132
  Assignee must take action on a loop-back delegation ...................... 132
  Calendar actions from view when meeting updates are outstanding ....... 132
  Calendar Manager can't edit Repeat calendar entries from browser .... 132
  Calendar switches to improper week if select Sun. in Date picker ...... 132
  Cancel Meeting not synched up after declining ............................. 133
  Check any Mail or C&S settings changed during Notes 6 beta ............ 133
  Day computation on Two-Day Calendar view .................................... 133
  Display issues with Calendar Preferences ..................................... 133
  Editing manually created resource/room reservations .................... 134
  Error delegating meeting with "Directly to Internet", no SMTP ............ 134
  Forwarded notifications sent to Calendar Manager .......................... 134
  Free time and Schedule information viewed from the web .................. 134
  Free time search's preference setting .......................................... 134
  Free Time search's preference setting .......................................... 134
  Group name no longer expands in Room/Resource definition ............... 135
  Group To Do assigned via address book removes Participants ............. 136
  iCal - Response actions may be hidden from delegated invitee .......... 136
  If added invitee declines group To-Do they cannot re-accept .............. 136
  Invitee status - Right-clicking on blank area ................................ 136
  Issue responding with comments to loopback delegation invitation ...... 136
  Limitations in repeating meeting delegation on web ....................... 136
  Macintosh - Limitation to double-click a Suggested Meeting Time ........ 137
  Meeting duration expands when changing date in Counter dialog ......... 137
  Meeting Scheduler UI on Windows NT ............................................ 137

Style sheet resource issues ............................................................. 126
A sort order is not updated after changing collation rule .................... 127
Design Synopsis chokes on R5 actions with JavaScript ....................... 127
Issue related to HTML Editor ......................................................... 127
Issues related to Fields ............................................................... 128
OS-level database access from apps running in server directory ........... 128
View/Folder Issues: "Shared, private on 1st use" view ......................... 129
Previously-compiled Visual Basic apps using backend COM APIs .............. 129

In View Edit feature doesn’t work with Alternate Names option .......... 130
Meeting form prompts to Save when no changes made ...................... 130
Repeating reservations in Resource Reservations cannot be edited ....... 131
Room Wait for Approval document not updated with meeting changes ... 131
Scheduler/Find room search is not all inclusive ............................ 131
Some actions in a C&S event unnecessarily cause a Prompt to Save ........ 131
Unable to accept a meeting invitation previously declined ............. 131
User with "Reader" access: No access to C&S entry from Internet ........ 131
Accepting Reschedules from the Meetings View .............................. 132
An Encrypted meeting via Internet generates two e-mails ............... 132
Assignee must take action on a loop-back delegation ...................... 132
Calendar actions from view when meeting updates are outstanding ....... 132
Calendar Manager can't edit Repeat calendar entries from browser .... 132
Calendar switches to improper week if select Sun. in Date picker ...... 132
Cancel Meeting not synched up after declining ............................. 133
Check any Mail or C&S settings changed during Notes 6 beta ............ 133
Day computation on Two-Day Calendar view .................................... 133
Display issues with Calendar Preferences ..................................... 133
Editing manually created resource/room reservations .................... 134
Error delegating meeting with "Directly to Internet", no SMTP ............ 134
Forwarded notifications sent to Calendar Manager .......................... 134
Free time and Schedule information viewed from the web .................. 134
Free time search's preference setting .......................................... 134
Free Time search's preference setting .......................................... 134
Group name no longer expands in Room/Resource definition ............... 135
Group To Do assigned via address book removes Participants ............. 136
iCal - Response actions may be hidden from delegated invitee .......... 136
If added invitee declines group To-Do they cannot re-accept .............. 136
Invitee status - Right-clicking on blank area ................................ 136
Issue responding with comments to loopback delegation invitation ...... 136
Limitations in repeating meeting delegation on web ....................... 136
Macintosh - Limitation to double-click a Suggested Meeting Time ........ 137
Meeting duration expands when changing date in Counter dialog ......... 137
Meeting Scheduler UI on Windows NT ............................................ 137
Meeting time changed using the Find Rooms/Resources feature ........................................... 137
Non-fatal error displayed in Meeting Scheduler on opening Entry ........................................ 138
Possible stale info when re-accepting a declined meeting ..................................................... 138
Problem dragging scroll box in Summarized Calendar View ............................................. 138
Repeating meeting becomes a single meeting ................................................................. 138
Repeating, Multi-Day, All Day Events in Calendar View .................................................. 138
Reschedule Repeating Appointments which spans Midnight ........................................... 139
Resource with forward slash is not found with Find Resource ........................................... 139
Room unavailable when repeating mtg reschedule date/time overlap ............................... 139
Sametime meeting not updated with Online meeting in Notes .......................................... 139
Sending a "Pencilled In" Meeting and Free Time ............................................................... 139
Updated Invitee list reflected in Scheduler ................................................................. 139
User can "Propose" after declining original repeating meeting ........................................ 139
Using Local Free Time with contact names in Address Book ........................................ 140
You can NOT span midnight if you manually book a room/resource .................................. 140
Zero appearing in beginning of server number .................................................................. 140
Accepting Room and Resource reservations from a browser ........................................ 140
Calendar Managers get new mail actions they shouldn't have ....................................... 140
Console error messages when renaming a room or resource ............................................. 140
Macintosh - Error making multiple changes to repeating meetings ................................ 141
Renaming a room or resource ....................................................................................... 141

Client issues ...................................................................................................................... 141
Macintosh - Limitation on size of "alert()" box in Javascript ........................................... 141
Custom Smarticons for Designer and Administrator .................................................... 141
Euro symbol in views .................................................................................................. 142
Forwarding of messages to MIME users ........................................................................... 142
Help appears to freeze when using "Always On Top" .................................................. 142
JavaScript code created in R5 memo does not working in Notes 6 ............................... 142
Known issues using Tables ....................................................................................... 143
Known issues using Embedded Editors .......................................................................... 143
Misleading error when field text limit is exceeded ..................................................... 143
Static text lines are overlapped on some dialog boxes ................................................... 143
Status bar now supporting bidirectional text and screen readers ............................... 143
Using Mail Color Preferences with Macintosh .......................................................... 143
"Only plain text can be used" error message appears incorrectly .................................. 143
Crash closing document opened via shortcut from Windows desktop ......................... 144
Footnoted items display incorrectly when viewing an attachment .................................. 144
HTML attachments do not launch properly ............................................................... 144
Replication formula fails when using drag & drop method ............................................. 144
WinXP - Improve performance running Notes Client .................................................. 144
'Replace All' and 'Skip All' are disabled for Language Tagging ....................................... 144
Calendar Printing: changing font has no effect on printout ........................................... 145
DocLib & Forwarding Addresses ............................................................................. 145
Drag and drop of private-in-desktop folders .................................................................. 145
If Notes crashes on opening/editing old language tags .................................................. 145
Known drag and drop issues with attachments ......................................................... 145
Mac Only: Unable to print help docs when print dialog is open .................................. 145
Macintosh - Java agents don't run on Mac OS X .......................................................... 146
Macintosh - Large images in documents do not print correctly .................................. 146
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes

Contents

Macintosh - Menu shortcuts for some Text items not as expected ................................................. 146
Picture Border custom color selection may crash (XP) ................................................................. 146
Print Preview may not reflect exactly what prints out ...................................................................... 146
Subsequent 'Open' after 'Edit' for attachments allows edits ............................................................ 146
View/Customize with hidden columns .............................................................................................. 146
Windows XP - Using WebDAV client with Windows XP .................................................................. 147
Attachment opens in background ....................................................................................................... 147
Client Launch with Windows’ Single Login feature .......................................................................... 147
Cross-platform issue: ‘Notes with Internet Explorer’ browser ......................................................... 147
Drag & drop support for attachments ............................................................................................... 148
Issues with Hotspots in Rich Text Fields .......................................................................................... 148
Link frames on Personal Welcome Page "C" has display issues ......................................................... 148
Mac OS 9 - Problem with Japanese IME and Java Debug Console ................................................ 148
Mac OS 9 - Problem with "Start With” dialog and Japanese IME .................................................... 148
Macintosh - Anchor links don’t always link to correct spot ............................................................. 148
Mail Rules: Fully-qualified name, first forward slash stripped ........................................................ 148
Multi-user shared dir needs Write access on NTFS system partion .................................................. 149
Multiuser client can’t browse to private directory if hidden ............................................................. 149
OLE "associated files" is not supported across platforms ................................................................. 149
Remote Debugger - selecting an event does not update variables .................................................. 149
Setup does not check for disk space on a multi-user Notes client .................................................. 149
To view Welcome Page containing "UK My Lycos" use Notes with IE ........................................... 149
Win95 - Thai default multilingual font should use CordiaUPC ....................................................... 150
Windows 95/98 - Error upgrading Client from earlier beta release .............................................. 150
Windows XP - Error: Can’t relaunch client after upgrade .............................................................. 150
Adding SOCKS5 proxy for instant messaging to Location doc ..................................................... 150
Archive path may be truncated if too lengthy ..................................................................................... 150
ASSERT(SigDataLength) when opening a specific document .......................................................... 151
Client Reconfiguration Wizard & location document ...................................................................... 151
Design elements not replicating to the Archive file properly .......................................................... 151
Documents not selected using "All Documents" .............................................................................. 151
Follow Up Alarms ............................................................................................................................ 151
Get "Cannot execute specified command” with Chat actions ........................................................... 151
IM - Contact List displays "Unavailable”; ‘Add’ doesn’t work .......................................................... 152
Incorrect Archive error .................................................................................................................... 152
Instant Messaging: Not finding person by first or last name only ................................................... 152
New mail indicator after Archiving .................................................................................................. 152
Notes crashes shutting down with chat window open ....................................................................... 152
Notes may crash when focus is on Body fields .............................................................................. 153
Roaming user not supported with flat user ID ................................................................................ 153
Unable to log back into Notes when Notes is minimized .............................................................. 153
Welcome Page - Quick Notes Help box error .................................................................................. 153
Workplace: Change View to Calendar truncates some data ............................................................ 153
Workplace: Multiple errors when location data is incorrect ............................................................ 153
DECS issues ..................................................................................................................................... 154
DECS Operational Considerations .................................................................................................... 154
Create event processes notes created by the mail router ............................................................... 154
Linux on zSeries - DECS supports only DB2 connections .............................................................. 154
Designer issues ............................................................................................................................... 155
Moving extended mail files from one server to another ........................................ 166
Dirccat not being deleted when shared subscription is deleted .............................. 166
Cancelling sync after wrong password causes security problem ......................... 167
Desktop icon not changing when customized ...................................................... 167
Dirccat path not removed from notes.ini when subscription removed .................. 167
Error during sync about public key not matching the Address Book ...................... 167
If configuration document deleted, users must re-install .................................... 167
Multi-user subscriptions are deleted by Notes "clean up" ...................................... 167
Users can’t access encrypted subscription if ID overwritten ................................. 168
Win2K - Sync Details box opens behind Sync Manager ....................................... 168
Disabled subscriptions synchronize during upgrade ........................................... 168
Discussion Template known issues ................................................................. 168
Need proper format to use wildcard for Optional files ...................................... 168
Password lost when Offline Security doc is changed after upgrade ....................... 168
Problems with DOLS SSO “Enter application Password” dialog ......................... 169
To enable DOLS to be used for the IIS plugin ..................................................... 169
Can’t use alternate organization unit to login offline ......................................... 169
Cannot install a subscription after cancelling ..................................................... 169
Cannot log into offline subscription with user short name .................................. 169
Subscription doesn’t failover when outside a company’s DNS ................................ 169
Troubleshooting DOLS installation on a Linux client .......................................... 170
Upgrading the iNotes Sync Manager to the Domino Sync Manager ..................... 170
Using an alternate name to go offline ............................................................... 170
With IIS, delay before install path dialog is displayed ......................................... 170
Domino Access for MS Outlook issues ............................................................. 170
Cannot edit MAPI profile ................................................................................. 170
Domino Access for Microsoft Outlook issues .................................................... 170
Exchange to Domino Migration issues ................................................................ 174
Lotus Notes MAPI service provider no longer supported ..................................... 174
Troubleshooting the Exchange to Domino migration .......................................... 175
Domino Web Access issues .............................................................................. 175
Add Sender to Contacts not working correctly ................................................... 175
Calendar issues in translated versions of Domino Web Access ............................. 176
Calendar & Schedule in Domino Web Access mixed environment ....................... 176
Can’t load Inbox in Domino Web Access .......................................................... 176
Can’t open doc links on servers other than Mail server ....................................... 176
Cannot insert multiple links in a table in a mail message ..................................... 176
Cannot install Offline subscription from full DWA portlet .................................... 177
Cannot search in NamePicker hierarchy views in Domino Web Access ................ 177
Cannot use single quotes in spellchecker .......................................................... 177
Cannot use Web Admin to set default Welcome Page ....................................... 177
Chair cannot view participant status of encrypted meeting ................................... 177
Decreasing browser text size causes gap in list views ......................................... 177
Deleting an Instant Messaging group results in error ......................................... 177
Disable pop-up blockers for Domino Web Access ............................................. 177
Doc links lost during reply or forward ............................................................. 178
Domino HTTP server cannot locate DHTMLED.cab on UNIX systems ............... 178
Domino Web Access 6.5.3 archiving issues ......................................................... 178
Domino Web Access secure mail issues ............................................................ 179
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programming issues</td>
<td>199</td>
</tr>
<tr>
<td>Issues related to programming in Designer</td>
<td>199</td>
</tr>
<tr>
<td>Issues with LotusScript Debugger</td>
<td>200</td>
</tr>
<tr>
<td>Issues with document locking for web applications</td>
<td>200</td>
</tr>
<tr>
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<td>200</td>
</tr>
<tr>
<td>Macintosh - Java Agents on a Macintosh Client</td>
<td>201</td>
</tr>
<tr>
<td>Using the Upload tag with the Domino Web Access Upload Control</td>
<td>201</td>
</tr>
<tr>
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<td>201</td>
</tr>
<tr>
<td>Issues related to Find and Replace in the Programmer’s Pane</td>
<td>202</td>
</tr>
<tr>
<td>Issues related to LotusScript type ahead (Autocomplete)</td>
<td>202</td>
</tr>
<tr>
<td>Issues relating to WebSphere integration</td>
<td>202</td>
</tr>
<tr>
<td>Non-ASCII characters cannot be used for JSP name attributes</td>
<td>202</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Policy issues</td>
<td>193</td>
</tr>
<tr>
<td>General Setup &amp; Desktop Policies information</td>
<td>193</td>
</tr>
<tr>
<td>Resave Archive settings from earlier beta versions</td>
<td>193</td>
</tr>
<tr>
<td>Delete Policies and Subpolicies from previous releases</td>
<td>193</td>
</tr>
<tr>
<td>'Default Welcome Page’ field becomes blank</td>
<td>193</td>
</tr>
<tr>
<td>'IMAP4 Server Error' when deploying Policies to Notes Client</td>
<td>194</td>
</tr>
<tr>
<td>Keeping Policy documents from servers earlier than 4.67a</td>
<td>194</td>
</tr>
<tr>
<td>Not all Public Archive settings show up in mail outline</td>
<td>194</td>
</tr>
<tr>
<td>Pushing updated policies to the local cache</td>
<td>194</td>
</tr>
<tr>
<td>Setup Profiles, Setup Settings &amp; Bookmark creation</td>
<td>194</td>
</tr>
<tr>
<td>Administrator client crashes on exit if in a Policy view</td>
<td>195</td>
</tr>
<tr>
<td>Custom Welcome Page for Client Setup via modem</td>
<td>195</td>
</tr>
<tr>
<td>Desktop Policies: customized Workplace on pre-6.5 Clients</td>
<td>195</td>
</tr>
<tr>
<td>Desktop Policies: deploying a customized Workplace</td>
<td>195</td>
</tr>
<tr>
<td>Desktop Settings &amp; 'Accounts' tab</td>
<td>195</td>
</tr>
<tr>
<td>Display problem for folders placed in Bookmark Outline</td>
<td>196</td>
</tr>
<tr>
<td>Policies cannot be used with Domino and Notes R5</td>
<td>196</td>
</tr>
<tr>
<td>Setup &amp; Desktop Policies on a shared Notes Client</td>
<td>198</td>
</tr>
<tr>
<td>Setup/Desktop Policies: need to exit &amp; re-launch Notes Client</td>
<td>198</td>
</tr>
<tr>
<td>Setup/Desktop Policies: no Bookmarks, Welcome Page/Workplace</td>
<td>198</td>
</tr>
<tr>
<td>Setup/Desktop Settings: Connection documents are dial-up only</td>
<td>198</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printing issues</td>
<td>198</td>
</tr>
<tr>
<td>Problem printing code for dual platform (Client/Web) Events</td>
<td>198</td>
</tr>
<tr>
<td>Multi-page mail doesn’t print properly in Internet Explorer</td>
<td>199</td>
</tr>
<tr>
<td>Printing to legal-sized paper</td>
<td>199</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mail Rules need compaction tool</td>
<td>191</td>
</tr>
<tr>
<td>Return receipt is incorrectly marked in some signed messages</td>
<td>191</td>
</tr>
<tr>
<td>Switching the encoding only affects the message body</td>
<td>191</td>
</tr>
<tr>
<td>The character set UTF-7 does not work for the message body</td>
<td>192</td>
</tr>
<tr>
<td>Unable to clear Email address for some contacts</td>
<td>192</td>
</tr>
<tr>
<td>Upgrading IMAP-enabled Notes 6 mail file returns an error</td>
<td>192</td>
</tr>
<tr>
<td>'Reply to' or 'Forward' when mail db view is closed causes crash</td>
<td>192</td>
</tr>
<tr>
<td>Arrow keys do not move cursor if SCROLL LOCK is on</td>
<td>192</td>
</tr>
<tr>
<td>Follow-up alarms need Calendar preference</td>
<td>192</td>
</tr>
<tr>
<td>Forward flag not set using local replica w/ On Server location</td>
<td>192</td>
</tr>
<tr>
<td>Index rebuilt with Archiving</td>
<td>193</td>
</tr>
<tr>
<td>Server Mail Rule with importance will not trigger internet mail</td>
<td>193</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup/Desktop Policies: no Bookmarks, Welcome Page/Workplace</td>
<td>198</td>
</tr>
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</table>

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<td>200</td>
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</tr>
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<td>200</td>
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<td>202</td>
</tr>
<tr>
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<td>202</td>
</tr>
<tr>
<td>Non-ASCII characters cannot be used for JSP name attributes</td>
<td>202</td>
</tr>
</tbody>
</table>
Issues using https:// protocol in Java URL class .................................................. 203
NotesRichTextRange.TextRun issue has been fixed for Windows .......................... 203
Replication issues .................................................................................................. 203
Macintosh - Call status is not cleared on the status bar ....................................... 203
Threshold chg. in Replication Settings apply to current location ...................... 204
Replicating ADMIN4.NTF between Domino 6 and Domino 4.67a ..................... 204
Roaming User issues .............................................................................................. 204
Roaming ID files stored on the server cannot be switched from ......................... 204
Roaming user ID file may need to be kept locally .............................................. 204
Roaming users should replicate after password change ..................................... 204
Roaming users should have ID recovery enabled ............................................. 204
'Cancel' button on the 'Send Data to Servers . .' dialog .................................. 205
Adminp request error deleting Roaming User from Domino Directory ............... 205
Bad data pointers when no User Profiles ......................................................... 205
Change of display order for "Prompt to" cleanup dialogs .................................. 205
Cleanup of data directory on Win95/98 operating systems ............................... 206
Disabled replication settings get re-enabled when roaming ............................... 206
Duplicate cleanup message when replication is "Off" ........................................ 206
Error during initial roaming setup with journal on Welcome Page ..................... 206
Icons don’t appear in roaming bookmark list until db is opened ....................... 206
If switching IDs, must switch back to roaming ID file to roam ....................... 206
Renaming roaming user causes Accept Name Change repeat .......................... 207
Replication on launch/exit remains enabled on Roaming downgrade ................ 207
Roaming Downgrade fails to remove databases from Replicator Page ............. 207
Roaming User 'Prompt to Replicate on Startup' ............................................. 207
Roaming User Client setup - 'Connection denied' message ............................... 208
Roaming User Client Setup that requires server connection doc ..................... 208
Roaming User Client setup & Instant Messaging configuration ......................... 208
Roaming user must respond consistently to accept a name change ................ 208
Roaming User Upgrade not supported on Admin Client .................................... 208
Roaming User upgrade not supported via Passthru server ............................... 209
Roaming User upgrade on Client that requires connection document ............... 209
Roaming User upgrade, IM & Macintosh: must upgrade on W32 first ............... 209
Roaming User Upgrade: user says 'No', remains In Progress ......................... 209
Roaming Users and the Workplace on multiple platforms ................................ 210
Roaming Users should replace design of Personal Address Book .................... 210
Roaming Users with NNTP or IMAP Internet Accounts ..................................... 210
Roaming Users & IM Server connection: no simultaneous connection ............ 210
Roaming Users: Workplace on pre-6.5 Clients .............................................. 211
Setup Policies not supported for Roaming Users ............................................. 211
Some roaming user preferences may require restart of Notes ......................... 211
Windows 95/98 only: Don’t use Cleanup feature ............................................ 211
Search issues ..................................................................................................... 211
SPARC - Search returns incorrect view ID ......................................................... 211
Full-text Indexing of Attachments may fail ...................................................... 212
Searching for text in HTML attachments fails ............................................... 212
Help may need new full-text index after multiple upgrades ......................... 212
Full Text and Domain Search ......................................................................... 212
If reports are not being reported - full-text index reports.nsf ............................ 213
Full-text searching Internet mail messages for DBCS
Macintosh - To quit a Domain Search on the Macintosh platform
Macintosh - Underlined display search highlights on Attachments
Macintosh: Full-text search highlights don’t print from open doc
Problem Deleting Add Condition "Query Token"
Rebuild full-text indexes on local client
Search Query Troubleshooting and Limitations
Search Site - Problems recreating full-text indexing
Uncleared Search results if document is left opened
“Searchresults No Documents Found” searching via browser
Notes error with report when reports.nsf is full-text indexed
Using view order search from web gives wrong results

SecuritY issues
Picking up Web Client Certificates returns “No Document”
Known limitations with SSL and Notes/Domino 6
Macintosh - Unable to create new x509 certificate authority
Running LDAP over SSL crashes MS Outlook Express
MIME - Body of message is blank on received encrypted message
SSL Session Resumption
Browser caching can interfere with revocation checking
Can’t change password quality by using CA process
Internet Site documents require IP address only for SSL
“The requested item does not exist” error
Benign Internet Explorer error message
Creating a Certificate Authority db requires adding Role to ACL
LDAP SSL SASL bind ignores Allow and Deny Server Access lists
LDAP using SASL authentication doesn’t fail-over to Anonymous
Misleading error message re: validating agent execution access
Missing key file name generates errors in SSL-enabled lookup
NAMELookups to Remote Directories with Extended ACLs

Server issues
Network performance stats are disabled by default in NT
Error trying to make second database copy to server
When using Domino for IIS, program directory must be in the path
AIX - Using the Intersolv/Merant libodbc.a driver manager
Compact -L does not work
Linux - Need to set "NOTES_USESNIS = 1" to use NIS
Transaction logging: Unexpected internal error during startup
DSAPI filename must be added to Internet Site documents
Error when clicking on doc link in ADMIN4.NSF
Linux - Domino Java Setup: cannot browse to directories
Mail Server: All agents need to be signed by 'Unrestricted' user
Run Fixup to correct problem with unread marks and other areas
Using multiple DSAPI filters on UNIX
Windows NT - Java backend method causes crash; no single sign-on
Windows NT - “The service cannot be installed . .” error
BTree corruption due to a lack of disk space
Compact of shared mail files causes deadlock with server
Linux - /bin/tar: Error is not recoverable: exiting now
Message Tracking via WebAdmin appears to hang .................................................. 226
PANIC: Cannot attach to shared memory region ..................................................... 227
Setup - Tabbing is lost if a dialog is displayed and then closed ......................... 227
UNIX - Must set "ACTIVATE_SYMLINKS=1" to support symbolic links ............. 227
"Invalid Message Tracking Request" when tracking via WebAdmin .................. 228
"|" separators in Webadmin ................................................................................. 228
Administrator client on remote console -- output data incomplete ................. 228
Adminp errors when creating I Spy’s Mail-In Database document ................... 228
Deleted server not removed from Health Monitoring view ............................... 229
Domino Java Console - Make LocalDomainAdmins group Multi-Purpose .......... 229
Notes.ini variable for tuning Availability Index calculation ............................... 229
Select ‘Don’t ask me again’ to prevent prompt on server restart ..................... 230
Server crash on Windows NT and Windows 2000 ........................................... 230
Tivoli - Multiple servers do not show in Activity Trends lists .......................... 230
Web Server: Some rich text items can be lost if edited ................................... 231
"Variant does not contain a container" error message ....................................... 231
Webmail issues .................................................................................................... 231
Import from directories is not working in Webmail ......................................... 231
Private Folders not visible using Webmail ......................................................... 231
XML issues .......................................................................................................... 231
DXL exporter/importer do not yet handle some design-element data ............. 231
DXL importer ignores some notes when replacing design elements .............. 232

Chapter 4 - Documentation updates ................................................................. 233
Notes Client Help ............................................................................................... 233
"Local free time info" Replicator page entry shown with old icon .................... 233
Delivery Information dialog box .............................................................. 233
Displaying larger type in Notes ......................................................................... 233
Displaying replication settings for a database .................................................. 234
Documentation correction - Saving and reusing a search query ..................... 234
Documentation update - Restricting access to local databases ...................... 234
Editing file attachments ...................................................................................... 235
File types supported for importing and exporting ............................................. 235
How local database encryption works .............................................................. 237
Importing Certificates from Smartcards ......................................................... 237
Increasing database performance and functionality ....................................... 238
Instant messaging: setting when to change Active status to Away ................. 238
Maximum number of documents allowed in view - correction ...................... 239
New preference for Interface Language ........................................................... 239
Object Properties -- Associated Files tab ....................................................... 239
Opening mail that contains OLE objects ........................................................... 239
Out-of-office message works on weekends ...................................................... 240
Return receipts in mail ......................................................................................... 240
Roaming user clarifications ............................................................................... 240
Roaming user setup for upgraders ...................................................................... 241
Sametime Connect not required for scheduling online meetings ................... 242
Selecting addresses from an address book ...................................................... 242
Setting up the single logon feature .................................................................. 242
Specifying information received in all replicas on a computer ....................... 242
Subject/Meeting/Location graphic mislabeled .................................................. 243
Unblocking a sender from your Junk Mail ................................................................. 243
Domino Administration Help ................................................................. 243
MS Exchange-to-Domino conversion tool enhanced .................................................. 243
Documentation error: Instructions to configure WebSphere plug-in ................................. 245
Examples for fields that can be excluded from text logs ................................................ 245
Server Performance Monitoring Platform Statistics ................................................ 246
All server version information removed from Web responses ....................................... 247
New directory assistance features ............................................................................. 247
SSL: RC2 encryption with 40-bit key and MD5 MAC .................................................. 250
Tell LDAP ReloadSchema command ....................................................................... 250
Inheriting policy settings requires a parent policy ......................................................... 250
New workstation security access option in Admin ECL ................................................. 250
Seamless mail upgrade requires Multi-user install ....................................................... 251
Server.load - SendMessage attachment option needs full file path ............................... 251
Submitting Resource Balancing plans to a replica ..................................................... 251
'Using LDAP to search a Domain index' is not available .............................................. 251
Changes in daylight saving time Notes.INI settings .................................................. 251
DST_Begin_Date and DST_End_Date are obsolete in Notes/Domino 6 ............................. 251
Error in DOLS documentation .................................................................................... 251
LDAPNAME_UPDATE_SUPPRESS_TIME updates group cache ..................................... 252
POP3 Session statistics on Linux reporting incorrect values ........................................ 252
Renaming roaming users ......................................................................................... 252
TRANSLOG_STYLE Notes.INI setting includes Linear style ........................................ 252
Updated description for SMTPDebugIO Notes.INI setting ......................................... 253
You must be assigned the UserCreator role to register a user ...................................... 253
"Dbcache Disable" and "Dbcache Show" server commands ............................................ 253
"Grace Period" and "Kit Type" fields don’t exist ............................................................... 253
"My Reservations" private view must be rebuilt .......................................................... 254
Access to Advanced Database Properties tool .......................................................... 254
Accessing your mail file using IMAP or POP3 ............................................................ 254
ACL roles not automatically enabled for full access admins .......................................... 254
Adding a certifier to the CA process - additional information ........................................ 254
Adding an alternate language and name to a user ID .................................................... 254
Adding update kits to the Lotus Notes Smart Upgrade database .................................. 255
Additional Log_Replication setting ........................................................................... 255
Alias dereferencing for LDAP search requests ............................................................ 256
Archive policy settings document - documentation correction ...................................... 256
Automating client installation - documentation correction ........................................... 259
Backing up Notes client files ..................................................................................... 259
Changing a nonroaming user to a roaming user .......................................................... 260
Changing a user’s roaming status - Access rights and privileges ................................... 261
Cluster replicator disregards "Summary + 40KB . . ." setting .......................................... 261
Configuring Domino SNMP agent for AIX - update .................................................... 261
Correction to Customizing Domino Web Access ....................................................... 262
Correction to desktop policy settings document ......................................................... 262
Correction to mail conversion utility function ............................................................. 262
Correction to single-sign on procedure ....................................................................... 263
Creating a Directory Assistance document - correction .............................................. 263
Creating directory and database links - documentation correction ............................... 264
Database.NSF.Replicate statistics ................................................................. 265
Desktop policy settings document - documentation update .......................... 265
Detecting when a mail file exceeds its quota .................................................. 267
Dircat task - partial rebuild documentation update .......................................... 267
Disable ADSync before uninstalling the Domino Administrator ...................... 268
Disabling IBM Lotus Instant Messaging during Scriptable setup ....................... 268
Documentation update - Don’t allow URL open ............................................. 269
Documentation update - MailLogToEventsOnly .......................................... 269
Documentation update: partial rebuilds for Directory Cataloger ...................... 269
Domino Network File Store not supported in Lotus Domino 6 ......................... 269
Erroneous options in Task Status Event Generator topic ................................ 270
Forcing administration process requests to run ............................................ 270
iNotes_WA_STLinksCodebase=URL no longer applies ................................. 270
Installing or upgrading as a restricted user .................................................. 271
Internet Site documents -- documentation enhancement and update ................ 271
Load conversion utility enhancement ........................................................... 272
Mail conversion utility enhancement ........................................................... 272
Multi-user install with multiple language Notes clients ................................ 274
Multiple group names field description and limitations ................................ 274
Multiple password certifier ID restricted during server setup .......................... 275
Notes equivalents for migrated Microsoft Exchange data ............................... 275
Notes single logon not supported with roaming users ..................................... 275
Notes Single logon restrictions ................................................................. 275
Passwords do not need to match for Domino Web Access .............................. 276
PrinterPixelPreview to view page breaks in Notes print preview ....................... 276
Processing IBM Workplace client certificate requests .................................... 276
Registering new Microsoft Windows 2000 users in Domino ......................... 277
Registering users from a text file - documentation update .............................. 277
Restricted field names in full-text indexing .................................................. 277
RFC 822 with outbound Internet mail -- documentation correction .................. 278
Rolling out Corporate Welcome Pages - documentation update ....................... 278
Server.Load -- Max number of threads is 1500 ........................................... 278
Setting advanced delivery and transfer controls - correction ......................... 278
Setting quota controls for the Router .......................................................... 279
Setting unread mark options ....................................................................... 279
Setting up Domino Web Access with Sametime error .................................... 279
Smart Upgrade Kits available only in global English .................................... 280
Starting and stopping the ISpy task .............................................................. 280
Store roaming user IDs in Domino Directory ................................................. 280
The "Create shared folders/views" ACL option ............................................. 280
Update to Notes.ini variable Log= ............................................................. 281
Use full server name for server-to-server replication ..................................... 281
Use Multi-purpose or Mail-only groups with Router/SMTP settings .................. 281
Use policies to assign NOTES.INI or Location document settings .................. 281
Using extended ACLs in a mixed-release domain ......................................... 282
Using Language Pack Installer with Domino .............................................. 282
Using load convert -d when converting non-mail databases .......................... 283
Using transform files for end-user installations - correction ........................... 283
Viewing database moves -- documentation update ....................................... 284
Domino Designer Help................................................................. 284
Windows 95 - Designer client not available .................................... 284
The R5 URL command "?OpenServer" is no longer supported ........... 284
The R5 URL object $defaultNav is no longer supported .................. 285
Displaying “hover” text for view icons ........................................... 285
DTD element changes and additions ............................................ 289
JSP tag library updates ............................................................... 291
Missing Help for the Control tab of the Field Properties box .......... 292
Programmable tables .................................................................. 292
Restricting access to categorized main topics, but not responses ...... 292
Syntax for database reference in computed Named Element .......... 292
Using Domino Connection Resources (DCRs) .............................. 293
Do not use the NoteID in URL command syntax ............................ 293
Don’t use LotusScript BP functions with alternate charset ............ 293
Programmable color for view columns ......................................... 293
Update to “Using HTML on a page, form or subform” doc ............. 293
Updating View Selection Condition if a form alias changes ............ 293
Additional @Functions not supported on the web ............................ 294
Domino URL Commands - documentation updates ....................... 294
For deleted documents, data in views may not be overwritten ........ 294
Frame spacing is supported in Notes client ................................... 294
French Help file contains incorrect @UpperCase example ............... 295
Index entry ‘GetSomeHeaders’ incorrect in Designer Help .............. 295
Input Enabled formula evaluates to “0", not “0” ......................... 295
LotusScript - Add "&" when passing hexadecimal input .................. 295
No programmatic access to private views stored in desktop ......... 295
Replication topic updates ............................................................ 296
SetEnvironmentVar method has incorrect setting listed ................. 296
Setting column colors partially supported on Web ....................... 296
Shift+F9 shortcut only needs Editor access ................................. 297
Sign-enabled fields must be of type 'Computed' ........................... 297
Synchronizing Internet password with Notes ID password ............ 297
Service Provider ....................................................................... 297
Upgrade to Service Provider software impact on Site documents .... 297
Administering the Domino System .............................................. 298
Activity Trends move db or mail file does not update workspace .... 298
Change HTTP password in Domino Directory - documentation update 298
Changing a server’s IP address .................................................... 298
Correction to Registering Users .................................................. 299
Directory Assistance is not supported in a hosted environment ...... 300
Hierarchical group names allowed ............................................... 300
HTTP statistics ......................................................................... 300
Opening user mail files after moving mail files ............................. 300
PEER Networks SNMP Master Agent replaced ............................. 301
Rename person administration request ....................................... 301
Rename person adminp request -- Documentation change ............ 304
Running the Server.Load R6 Mail Routing workload ..................... 304
Update license tracking information administration request .......... 305
Using IBM Lotus Notes Smart Upgrade ....................................... 305
WebGet command in Server.Load is enhanced ................................................................. 306
DECS Documentation ....................................................................................................... 309
Current supported data drivers list for DECS ................................................................. 309
DECS Documentation ...................................................................................................... 309
Domino Web Access ........................................................................................................ 310
Correction to ‘Sorting Mail Marked for Follow Up’ .......................................................... 310
Disable drag and drop to improve performance ............................................................. 310
Error in View Meeting Notices help topic ....................................................................... 310
iNotes_WA_LiveNames setting disables Chat .................................................................. 311
iNotes_WA_NoLocalArchive ........................................................................................... 311
iNotes_WA_UseInternetAddrForXsp ................................................................................ 311
Lightweight UI available .................................................................................................. 312
Reference to Mozilla omitted from Help topics .............................................................. 312
Restoring an archived document ..................................................................................... 317
Reuse windows for better client performance ............................................................... 317
Selecting an e-mail address from a directory catalog .................................................... 317
Send Tracking Request ................................................................................................... 318
Server-based archiving supports selection of documents ................................................. 318
Use the browser’s language preference to print a calendar view ..................................... 319
Using Sametime Connect for browsers in Domino Web Access .................................... 319

Chapter 5 - Compatibility and Interoperability ............................................................... 321
Calendar and scheduling compatibility ............................................................................ 321
Client compatibility ......................................................................................................... 322
Roaming using Notes 6 Clients may crash earlier servers ................................................. 322
Calendar view “busy row” color used as Entry Background color .................................... 322
Opening local DB with Notes 6 causes R5 to reset unread marks .................................... 323
View sorting: case and accent sensitivity migrating from R4.6 ................................ ...... 323
Hotspots on ‘Today’ work intermittently for R4.6 Mail database ..................................... 323
Update to ACL ‘Replicate or copy documents’ option ...................................................... 323
Mail compatibility ......................................................................................................... 323
SMIME encrypted mail appears already decrypted at view level .................................... 323
Server compatibility ...................................................................................................... 324
WebSphere and Domino names handled by Domino HTTP server ................................ 324
Template compatibility ................................................................................................. 325
Migrating TeamRoom 4.1 to TeamRoom(R6) must go thru TeamRoom(R5) .................... 325
TeamRoomR6 Alternate Name Support when migrating from TeamRoomR5 ................ 325
Personal Stationery Mail is not deleted when archived ................................................... 325

Chapter 6 - History of changes ....................................................................................... 327
Overview ......................................................................................................................... 327
Overview - History of new features and enhancements .................................................. 327
Notes/Domino 6.0 - initial release .................................................................................... 327
Overview - New Features in IBM Lotus Notes & Domino 6 ............................................ 327
Applets - Installable Applets ............................................................................................ 342
Client - Applying multiple meeting updates automatically .............................................. 343
Client - Client configuration (setup) changes in Notes 6 ................................................ 344
Client - Drag and drop enhancements from Windows desktop/folder ............................. 344
Client - New Mail Indicators and Notifications ............................................................... 345
Client - Notes 6 supports Java Agents on Macintosh OS 9 ............................................. 345
<table>
<thead>
<tr>
<th>Contents</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes</td>
<td></td>
</tr>
<tr>
<td>Client - Notes Rich Text to MIME conversion includes HTML</td>
<td>345</td>
</tr>
<tr>
<td>Client - Populating the To field for certificate renewal request</td>
<td>346</td>
</tr>
<tr>
<td>Client - Smartcard Support</td>
<td>346</td>
</tr>
<tr>
<td>Client - Toolbars: a replacement for SmartIcons</td>
<td>348</td>
</tr>
<tr>
<td>Client - User Security</td>
<td>349</td>
</tr>
<tr>
<td>Client - &quot;Unread&quot; marks are available</td>
<td>349</td>
</tr>
<tr>
<td>Designer - Backend MIMEEntity methods update position in Stream</td>
<td>350</td>
</tr>
<tr>
<td>JavaScript - Language updated to JavaScript 1.4</td>
<td>350</td>
</tr>
<tr>
<td>LotusScript - LotusScript language updated to version 5.0</td>
<td>350</td>
</tr>
<tr>
<td>LotusScript - Unix now supports customized locales</td>
<td>350</td>
</tr>
<tr>
<td>Security - Administration ECL &lt;ECLOwner&gt; key</td>
<td>350</td>
</tr>
<tr>
<td>Security - Client ECL logging</td>
<td>351</td>
</tr>
<tr>
<td>Security - ISpy now supports SSL</td>
<td>351</td>
</tr>
<tr>
<td>Security - New Execution Security Alert option</td>
<td>351</td>
</tr>
<tr>
<td>Security - Server access fields apply to all internet protocols</td>
<td>351</td>
</tr>
<tr>
<td>Server - 'Author' access can run Mail Tracking Reports db</td>
<td>351</td>
</tr>
<tr>
<td>Server - Automatic Server Recovery and NSD (Win32 and UNIX)</td>
<td>351</td>
</tr>
<tr>
<td>Server - Command line help for server tasks</td>
<td>353</td>
</tr>
<tr>
<td>Server - Cookie logging</td>
<td>353</td>
</tr>
<tr>
<td>Server - DIIOP task and CORBA-remoted Domino Objects</td>
<td>353</td>
</tr>
<tr>
<td>Server - Domino Console</td>
<td>354</td>
</tr>
<tr>
<td>Server - Domino Directory internet site documents</td>
<td>358</td>
</tr>
<tr>
<td>Server - Domino Java Setup Program</td>
<td>359</td>
</tr>
<tr>
<td>Server - Domino Remote Setup</td>
<td>359</td>
</tr>
<tr>
<td>Server - Domino Web Administrator Client</td>
<td>360</td>
</tr>
<tr>
<td>Server - Dynamic Debug_Out facility</td>
<td>361</td>
</tr>
<tr>
<td>Server - IMAP Namespace</td>
<td>361</td>
</tr>
<tr>
<td>Server - Improvements to LDAP service handling of time queries</td>
<td>361</td>
</tr>
<tr>
<td>Server - New Full Text Engine</td>
<td>361</td>
</tr>
<tr>
<td>Server - Passing Notes.INI location starting Domino on Unix</td>
<td>362</td>
</tr>
<tr>
<td>Server - Setup and Desktop Policies</td>
<td>362</td>
</tr>
<tr>
<td>Server - User preferences on the web</td>
<td>363</td>
</tr>
<tr>
<td>Notes/Domino 6.5 - initial release</td>
<td>364</td>
</tr>
<tr>
<td>New features and enhancements in Notes/Domino 6.5</td>
<td>364</td>
</tr>
<tr>
<td>Domino HTTP idle session timeout for SSO configurations</td>
<td>368</td>
</tr>
<tr>
<td>Improved Agent Manager start-up for fixup databases</td>
<td>369</td>
</tr>
<tr>
<td>iNotes Web Access renamed Domino Web Access in 6.5</td>
<td>370</td>
</tr>
<tr>
<td>Internet password change cached by HTTP server for SSO users</td>
<td>370</td>
</tr>
<tr>
<td>Making Notes the default mail client for Windows 2000 and XP</td>
<td>372</td>
</tr>
<tr>
<td>New IBM Lotus Domino Access for Microsoft Outlook</td>
<td>373</td>
</tr>
<tr>
<td>Notes/Domino 6.5.1</td>
<td>376</td>
</tr>
<tr>
<td>EM_GETPASSWORD with smartcard-enabled ID files</td>
<td>376</td>
</tr>
<tr>
<td>Event Monitor and LDAP server tasks load automatically</td>
<td>376</td>
</tr>
<tr>
<td>SMP support added to Red Hat Enterprise Linux 2.1</td>
<td>377</td>
</tr>
<tr>
<td>&quot;ServerTasks=&quot; Notes.INI variable</td>
<td>377</td>
</tr>
<tr>
<td>Notes/Domino 6.5.2</td>
<td>377</td>
</tr>
<tr>
<td>New features in Notes/Domino 6.5.2</td>
<td>377</td>
</tr>
<tr>
<td>IM enhancements in Domino Web Access</td>
<td>379</td>
</tr>
<tr>
<td>SECKFMSwitchToUserID function has been enhanced</td>
<td>380</td>
</tr>
</tbody>
</table>
Notes/Domino 6.5.3 ...................................................................................................................... 381
New features in Notes/Domino 6.5.3.......................................................................................... 381
Updated: Importing Certificates from Smartcards ................................................................. 382

Chapter 7 - Domino for i5/OS and OS/400 ........................................................................ 383

Welcome to Lotus Domino 6.5.4 for i5/OS and OS/400.......................................................... 383
Things you need to know ........................................................................................................ 383
Installation and setup ............................................................................................................. 383
Batch Installation .................................................................................................................. 383
Default setting changed for Administrator Internet passwords ............................................ 383
New options in CFGDOMSVR command .............................................................................. 384
Removing beta or pre-release versions .................................................................................. 384
Setup Wizard only configures Primary release server .......................................................... 384
Using silent mode with domwzd.exe ...................................................................................... 385
Platforms and requirements ................................................................................................ 385
Domino 6 plug-in for HTTP Server (powered by Apache) and V5R1 ....................................... 385
Domino for i5/OS and OS/400 server requirements .............................................................. 386
Domino plug-in no longer requires Notes client .................................................................... 387
Version 5 of Domino plug-in cannot be used with Domino 6 servers .................................... 387
Restrictions ............................................................................................................................. 387
C API restriction with multiple releases installed ................................................................. 387
IPv6 is not supported ............................................................................................................ 387
RUNDOMCMD does not set the server data directory for batch jobs .................................. 387
SNMP Agent is not supported .............................................................................................. 388
V5R3 iSeries Navigator support .......................................................................................... 388
xSP is not supported ............................................................................................................. 388
Server administration .......................................................................................................... 388
ClockType now defaulted to 24 hour format ......................................................................... 388
Hardware Cryptography Support ......................................................................................... 388
Monitoring messages on server restarts .............................................................................. 390
RUNDOMCMD support for multi-threaded jobs .................................................................... 390
SBDOMCMD now allows *ALL option ................................................................................ 390
Application development ..................................................................................................... 390
Accessing Domino data from WAS applications ................................................................... 390
Accessing Domino from WebSphere Applications ............................................................... 391
C++ API and Toolkit support for Domino 6 ........................................................................... 392
Java JVM property settings on a per Domino Server basis ................................................... 393
Lotus C API Toolkit for Notes/Domino for i5/OS and OS/400 ................................................. 393
New Domino APIs ................................................................................................................ 394
Troubleshooting .................................................................................................................... 394
Installation issues .................................................................................................................. 394
Domino and OS/400 signatures ............................................................................................ 394
Install or update may fail ...................................................................................................... 394
Removing primary release using DLTLICPGM may fail ...................................................... 395
International issues .............................................................................................................. 395
Identification of Language Pack installs during Domino install .......................................... 395
SPR fixes ............................................................................................................................... 395
Error in DLTLICPGM when upgrading from early Domino 6 release .................................... 395
Documentation updates ....................................................................................................... 396
Installing and managing Domino for iSeries .......................................................... 396
Changes in directory structure due to multi-versioning ........................................... 396
Update of installation instructions for two CDs ...................................................... 398
Lotus Domino Administrator Help ........................................................................... 399
SNA Connection document .................................................................................... 399
Correction in Lotus Connectors and Connectivity Guide ......................................... 399
History of changes ................................................................................................. 400
Release 6.0 - initial release ...................................................................................... 400
What’s new in Domino 6 for iSeries? ...................................................................... 400
C API Toolkit support for Domino 6 ........................................................................ 400
Monitoring platform statistics ................................................................................ 401
Release 6.5.1 .......................................................................................................... 401
Domino 6.5.1 is shipped on 2 CDs .......................................................................... 401
Installing Domino for iSeries from CD-ROM ......................................................... 401
Upgrade issues with Domino and other Lotus products .......................................... 402
Release 6.5.2 .......................................................................................................... 402
Decompression of CD-ROM software no longer required ...................................... 402
Installation now requires two CDs ........................................................................ 402
Release 6.5.3 .......................................................................................................... 402
Wire protocol drivers now installed with Domino .................................................... 402
Chapter 8 - Domino for z/OS .............................................................................. 403
Things you need to know ......................................................................................... 403
Installation ............................................................................................................. 403
Where to Find More Information .......................................................................... 403
Installation Updates ............................................................................................... 404
Hardware Cryptography Support ........................................................................... 405
Platforms and requirements ................................................................................... 407
Required PTFs for z/OS to run Domino ................................................................. 407
System requirements .............................................................................................. 407
Lotus.ini file needs to be in EBCDIC format ......................................................... 407
Restrictions ............................................................................................................ 407
Some graphical support in Mail Reports not yet available ..................................... 407
z/OS Enterprise Integration restrictions .................................................................. 407
z/FS aggregate issues ............................................................................................ 408
Edit dictionary is not supported ............................................................................ 408
IPv6 is not supported ............................................................................................ 408
Miscellaneous notes .............................................................................................. 408
z/OS Console support for Domino restrictions ....................................................... 408
Expand File System for Full Text Search ............................................................... 408
Note to Non-WebSphere Customers ..................................................................... 409
National language support .................................................................................... 409
Known Problems ................................................................................................... 409
Server feature changes .......................................................................................... 410
EBCDIC html files will no longer be supported by Domino http .......................... 410
Troubleshooting .................................................................................................... 410
Installation issues .................................................................................................. 410
IEFUSI User Exit .................................................................................................... 412
Serviceability and Fault Recovery ......................................................................... 412
Documentation updates .......................................................................................... 413
IPCSHMHIDS recommended setting has changed................................................................. 413
Interoperability .......................................................................................................................... 414
Formula Language ..................................................................................................................... 414
LotusScript on z/OS & iSeries support for native EBCDIC strings ........................................ 414
History of changes ..................................................................................................................... 415
Release 6.0 .................................................................................................................................. 415
   CPU Reduction and z/OS Improvements ................................................................................. 415
   Documentation enhancements ................................................................................................. 415
   Domino Server Setup.............................................................................................................. 416
   Java runtime environment now ships with Domino 6 for z/OS ................................ .......... 416
   New BPXPRM verification ..................................................................................................... 416
   New Fault Recovery and Servicability Features ................................................................. 416
   Server monitoring .................................................................................................................. 416
   Support of multiple Domino 6 releases in one LPAR .......................................................... 416
   Shared Library Support ......................................................................................................... 416
   Verity Keyview Filter Support ............................................................................................... 417
   Domino HTTP DSAPI filter for host authentication (optional) ............................................ 417
   WebSphere migration ............................................................................................................. 417
   z/OS Console Support for Domino ....................................................................................... 417
The Release Notes contain information about the 6.5.4 release of the Lotus Notes® and Lotus Domino™ software products. Release Notes documentation contains the following chapters:

**What's new?** introduces you to Notes, Domino Designer, and Domino server, tells you about the new features and enhancements in this release, and points you to further information.

**Things you need to know** describes supported platforms and environments and other information that you need to know before installing this release.

**Troubleshooting** describes limitations and issues associated with this release of Notes and Domino.

**Documentation updates** describes last-minute information and corrections that are not included in the Notes, Domino Designer, and Domino server Help databases and printed documentation.

**Compatibility and Interoperability** describes known restrictions or potential incompatibilities between different versions of Notes and Domino.

**History of changes** contains information about enhancements and new features introduced to the software in previous Notes/Domino 6 releases.

**Domino for i5/OS and OS/400** contains details that are specific to the IBM i5/OS and OS/400 (iSeries) platforms.

**Domino for z/OS** contains details that are specific to the IBM z/OS platform.

You can edit the documents in the online version of the Release Notes database to suit the particular needs of your site. However, if you do edit the contents of the database, it must be strictly for the sole use of users within your organization. You cannot resell or otherwise distribute this documentation, modified or unmodified, to anyone outside your organization. Lotus® and IBM® assume no responsibility for the technical accuracy of any modifications made to this documentation.
Chapter 1 - What's new?

Welcome

Administrator Client, Client, Designer, Server, Domino Web Access

Welcome to Lotus Notes, Domino, & Domino Designer 6.5.4
Welcome to IBM Lotus Notes® and the IBM Lotus Domino™ Server family of software products. Notes/Domino Release 6.5.4 is the latest release of the world's leading products for information management, messaging, collaboration and Web application development.

These Release Notes contain information on the many enhancements included in all Notes/Domino 6.5.4 products. Before installing, please review the "Things you need to know" and "Troubleshooting" chapters of these Release Notes.

For an overview of the features in this release, see the "What's new?" chapter.

For exhaustive on-line searches of the README.NSF Release Notes database, without using a full-text index, use the Search view.

Additional information about IBM Lotus Notes and Domino 6.5.4, can be found in the Help files included with each product. Help files and these release notes are also available in the Documentation area of the Lotus Developer Domain website at http://www.lotus.com/ldd/doc.

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Any information or reference related to license terms in this document is provided to you for your information. However, your use of Notes and Domino, and any other IBM program referenced in this document, is solely subject to the terms and conditions of the IBM International Program License Agreement (IPLA) and related License Information (LI) document accompanying each such program. You may not rely on this document should there be any questions concerning your right to use Notes and Domino. Please refer to the IPLA and LI document for Notes and Domino that is located in the license.txt file, in the root of the \Apps directory of the product CD.

New features

Administrator Client, Client, Designer, Server, Domino Web Access

New Features in Notes/Domino 6.5.4

Notes Client

"Ambiguous Names“ and "No Match” dialogs improved
Usability of the Ambiguous Names dialog and the No Match dialog has been improved to include: sorting by name, adding a horizontal scroll bar, and including help text informing the user that they can customize the dialog.

New Turkish Lira symbol available
The new Turkish Lira symbol (YTL) has been added to the list of customizable currency symbols for Notes fields.
**Domino Access for Microsoft Outlook**

*x509-encrypted messages can be received*

DAMO users now have the ability to receive x509-encrypted messages.

**Launch/shutdown performance improved**

The initial launch and shutdown performance of Outlook with DAMO has been improved.

**Option to separate Data and Program directories**

DAMO now allows customers to install the Data and program directories to separate install locations. Previously, the Data and Program directories were installed to the same location.

**New Mail notification**

Users now see a system tray icon when new mail arrives in their Inbox.

**Offline Address Book support**

Users can now perform Address Book look-ups when working offline.

**iSeries**

**Memcheck process**

Memcheck is a binary file (executable) that is invoked by the NSD utility whenever NSD is run. Memcheck runs a scan of all shared memory segments in use by Notes processes, as well as the individual stack memory allocated to each process, and determines if the actual memory segment format matches the expected format.

**Automatic Diagnostic Collection tool**

The Automatic Diagnostic Collection tool is a way for Administrators to automatically collect crash diagnostic data on Notes clients and Domino servers, and send that information to a centralized mail-in database of their choosing. This will eliminate the issue of users not reporting crashes, or not capturing the proper data on a client or server crash.

**Platforms**

**AIX 5.3 supported**

AIX 5.3, with patches PTF IY58691* and PTF IY58143, is fully supported. This support extends to all processor architectures supported on the AIX 5.3 operating system, including Power 5.

* With PTF IY58691, also upgrade bos.net.nis.client to version 5.3.0.10 if NIS is installed on the system and NIS is not at this level (or higher) after this PTF is installed

**Server**

**Name reversion requests are approvable rather than automatic**

Admin process requests for name reversion, which would normally execute automatically after 21 days will no longer automatically execute. The requests will now have to be approved, helping to prevent issues with automatic reversion happening prematurely.

**Password Compliance feature set**

The Password Compliance feature set is controlled by new Policy Security Settings, and provides administrators with more granularity in setting a policy for acceptable passwords on Notes IDs. When the user changes passwords, they will also be prompted with a dialog that reflects the policy, for example:

Your new password must

- Contain at least ‘x’ characters
- Contain a minimum of ‘x’ and a maximum of ‘y’ alphabetic characters
- Contain a minimum of ‘x’ and a maximum of ‘y’ numeric characters
• Not reuse any of the previous 'x' passwords
• Not contain your user name as part of the password
• Not start with 'xxx'
• Not end with 'yyy'

In addition to providing more flexibility in managing and complying with corporate password guidelines, this feature set will assist customers who may need to comply with the Italian Privacy Law, legislation enacted in Italy that requires all systems used or accessed by Italian citizens to provide and enforce a new set of password management features.

**Smart Upgrade Governor**
The Smart Upgrade Governor prevents any particular server from being overloaded by a large number of Smart Upgrade requests, preventing potential downtime and instability during peak work hours.

**Administrator Client, Server**

**Improving server performance using the configuration collector**
Domino's configuration collector provides snapshots of how the Domino server is configured. You can use that configuration information to analyze recent changes made to the server's configuration that have impacted server performance.

Domino reads several documents during server initialization. These documents are the Server document, Server Configuration document, All Server Configuration document, and the Group Server Configuration document. Domino also checks the views of these documents for changes every five minutes. If modifications have been made, Domino reads and saves the modified documents. When Domino reads a document, a filename is constructed based on the document's modification time and date and the server name. There is a default prefix assigned to each of the server and configuration documents:

• Server document -- serverdoc
• Configuration Settings (Specific Server) document -- configspecific
• Configuration Settings (All Servers) document -- configall
• Configuration Settings (Server Group) document -- configgroup

For example, if a Server document is modified on August 2, 2004, at 4:05 PM, on a server named Sales, the file name assigned to the document is serverdoc_sales_2004_08_02@16_05_20.dxl. The file is stored in the diagnostic directory, IBM_TECHNICAL_SUPPORT located in Domino's data directory. If Domino/Data is the data directory, the path is

C:/Domino/Data/IBM_TECHNICAL_SUPPORT/serverdoc_sales_2004_08_02@16_05_20.dxl.

For information about the technical directory, IBM_TECHNICAL_SUPPORT, see the topic Using the IBM_TECHNICAL_SUPPORT directory.

To view the collected information, open the individual documents in the IBM_TECHNICAL_SUPPORT directory.

**New enhancements**

**Administrator Client, Server**

**Controlling the number of concurrent Smart Upgrade downloads**
Use this procedure to enable or disable the Smart Upgrade Governor and to control the number of concurrent Smart Upgrade attempts, that is, to control the number of times Smart Upgrade can be run while the Smart Upgrade Governor is enabled. When Smart Upgrade Governor is enabled, specify the maximum number of Smart Upgrade attempts by specifying a value in the field "Maximum Concurrent Downloads."

**Note:** Ensure that you have set up Smart Upgrade prior to attempting to perform this procedure. See the Domino Administrator online help for information about setting up and using Smart Upgrade.

1. From the Domino Administrator, click Configuration -- Server -- Configurations.
2. Select the Server Configuration document you want to open, and then click Edit Configuration.
3. Click the Smart Upgrade tab. In the field "Limit Concurrent Smart Upgrade," enable the Smart Upgrade Governor.

4. In the field "Maximum Concurrent Downloads," enter a value for the maximum concurrent number of Smart Upgrade attempts that can be made while the Smart Upgrade Governor is enabled.

5. Save and close the Configuration Settings document.

Custom password policies

Recent changes to information protection and data privacy laws include specific requirements for the selection of secure passwords for identity verification. In order to help users comply with these laws, the ability to implement password restrictions on a policy basis for Notes user IDs has been added to Lotus Domino. The new feature enables users to meet the essence of the new laws - that passwords must not be trivial or predictable.

Through a custom password policy, administrators can restrict or prohibit the use of the following in user passwords:

- user name as part of the password
- repeating characters
- use of special characters, such as punctuation

While custom password policies can be applied to all users, it should be noted that the requirement to change password on first log in can only apply to new users who have had the policy applied to them at registration. Users who are already registered will not be required to change their passwords when they login after the policy has been applied.

Notes:

- Even if you establish a customized password policy, you must still enable "Check passwords on Notes IDs" in the server document in order for Domino to check password history.

- This feature applies primarily to Notes passwords. However, if the security policy setting "Update internet password when Notes password change" is enabled, then the custom password policy will also be applied to user Internet passwords. This is the only time that the custom policy is applied to Internet passwords. Custom policies will not be applied if users change their Internet passwords through a browser.

Set up a customized password policy:

1. In the Configuration tab of the Domino Administrator client, click Create Policy.
2. Set up the policy as required.
3. Click New next to Security to add security settings to the policy.
4. On the Password Management tab, under Password Management Options, select "Use Custom Policy."
5. On the Custom Password Policy tab, configure the custom options, as follows:

<table>
<thead>
<tr>
<th>Setting</th>
<th>Specify</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change password on first use</td>
<td>Enable this to require users to change their passwords after the first time they log in using the Notes client</td>
</tr>
<tr>
<td>Allow common name in password</td>
<td>Enable this to allow users to incorporate their name in their passwords. For example: John232Doe</td>
</tr>
<tr>
<td>Password length minimum</td>
<td>the minimum number of characters that users can have in their passwords</td>
</tr>
<tr>
<td>Password length maximum</td>
<td>the maximum number of characters that users can have in their passwords</td>
</tr>
<tr>
<td>Password quality minimum</td>
<td>the minimum password quality value that users can have for their passwords</td>
</tr>
<tr>
<td>Minimum number of alphabetic characters allowed</td>
<td>the minimum number of alphabetic characters that users are allowed to have in their passwords</td>
</tr>
</tbody>
</table>
### Setting

<table>
<thead>
<tr>
<th>Setting</th>
<th>Specify</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum number of upper case characters allowed</td>
<td>the minimum number of uppercase characters that users are allowed to have in their passwords</td>
</tr>
<tr>
<td>Minimum number of lower case characters allowed</td>
<td>the minimum number of lowercase characters that users are allowed to have in their passwords</td>
</tr>
<tr>
<td>Minimum number of numeric characters allowed</td>
<td>the minimum number of numeric characters that users are allowed to have in their passwords</td>
</tr>
<tr>
<td>Minimum number of special characters allowed</td>
<td>the minimum number of special characters, namely punctuation, that users are allowed to have in their passwords</td>
</tr>
<tr>
<td>Maximum number of repeated characters allowed</td>
<td>the maximum number of repeated characters, of any kind, that are allowed in user passwords.</td>
</tr>
<tr>
<td>Minimum number of unique characters allowed</td>
<td>the minimum number of characters that appear only once in a password</td>
</tr>
<tr>
<td>Password may not begin with</td>
<td>the type of characters with which users cannot begin their passwords</td>
</tr>
<tr>
<td>Password may not end with</td>
<td>the type of characters with which users cannot end their passwords</td>
</tr>
</tbody>
</table>

6. Assign the policy and save it.

**Restrictions**

It's important to understand the following restrictions if you use a custom password policy:

- random password generation cannot be used, either through User Registration or the User Security
- IDs protected with multiple passwords cannot be used with a custom password policy

**dominoUNID operational attribute**

The Domino LDAP Service now supports Universal Notes IDs (UNID) through 32-character values of the dominoUNID operational attribute. Designed for use with advanced LDAP applications, such as IBM Workplace, it allows them to uniquely identify documents in the Domino Directory even when the directory object’s FullName (LDAP DN), ShortName (LDAP uid), or other normally identifying field values change.

If you are using IBM Workplace with Domino, you can use the dominoUNID attribute for mapping Workplace member entries in WebSphere Member Manager to LDAP person records.

While this attribute is fully available to customers deploying a new Domino Directory, those using existing Domino Directories will need to do the following to make dominoUNID fully available:

1. Reload the LDAP schema by using the `tell ldap reloadschema` command.

2. In the domain Configuration Settings document of the primary Domino Directory, click "Select Attribute Types" next to the setting "Choose fields that anonymous users can query via LDAP". The LDAP Attribute Type Selection dialog box appears. From here, you can:
   - add the dominoUNID attribute automatically by clicking Use Default Values. All default attributes for Anonymous users will be selected;
   - manually add dominoUNID by choosing the wildcard class (*) in the Object Classes drop-down list. This option is recommended if you have customized your attribute list for Anonymous.
Chapter 2 - Things you need to know

A Team Workplace Fixpack needed for Domino 6.5.4

Server
Hotfix necessary for Team Workplace with Domino 6.5.4
New or existing Team Workplace 6.5.1 customers who want to run Team Workplace 6.5.1 with Domino 6.5.4, need to install Team Workplace 6.5.1 fix pack for Domino 6.5.4 to their Team Workplace 6.5.1 installation. Without the fix pack, HTTP will not start.

For further information about obtaining and installing the fix pack, please reference technote #1198555 at the following URL:

http://www.ibm.com/support/docview.wss?rs=855&uid=swg21198555

Directory install and CD-ROM structure

Client, Designer, Server

CD-ROM directory structure

Notes CD-ROM directory structure

CD-ROM directory structure for Notes Macintosh partition CD-ROM:

LICENSE.TXT
NOTES INSTALL DISK
README.NSF
README.PDF
START.TXT
APPS
    DICTIONARIES
    FONTS
    SWIFTFILE
    IS TUNER FOR LOTUS NOTES

CLIENTS
    W32INTEL
    AUTORUN
**Notes/Domino Designer CD-ROM directory structure**

AUTORUN.INF
INSTALL.PDF
LICENSE.TXT
README.NSF
README.PDF
START.TXT
APPS
  DGW
  SYNCINST
  DICTIONARIES
  FONTS
  SWIFTFILE
  IS TUNER FOR LOTUS NOTES
  LDTWS

CLIENTS
  W32INTEL
AUTORUN

**CD-ROM directory structure for Notes Macintosh partition CD-ROM:**

LICENSE.TXT
NOTES INSTALL DISK
README.NSF
README.PDF
START.TXT
APPS
  DICTIONARIES

**Domino Intel Server CD-ROM directory structure**

AUTORUN.INF
INSTALL.PDF
LICENSE.TXT
README.NSF
README.PDF
START.TXT

SERVERS
  WIN32INTEL
AUTORUN

**Domino AIX Server CD-ROM directory structure**

INSTALL.PDF
LICENSE.TXT
README.NSF
README.PDF
START.TXT

IBMPOW
  INSTALL
  LICENSE
  SCRIPT.DAT
  SETS
    DATA
    FGINV
    FGROUPS
  TOOLS
    BIN
    AIX
    LIB
    PERL5
    NLS
**Domino Solaris/Sparc Server CD-ROM directory structure**

**INSTALL.PDF**
**LICENSE.TXT**
**README.NSF**
**README.PDF**
**START.TXT**

**SUNSPA**
**INSTALL**
**LICENSE**
**SCRIPT.DAT**
**SETS**
  **DATA**
  **FGINV**
  **FGROUPS**
**TOOLS**
  **BIN**
  **SOL**
  **LIB**
  **PERL5**
  **NLS**

**Domino Linux CD-ROM directory structure**

**INSTALL.PDF**
**LICENSE.TXT**
**README.NSF**
**README.PDF**
**START.TXT**

**LINUX**
**INSTALL**
**LICENSE**
**SCRIPT.DAT**
**SETS**
  **DATA**
  **FGINV**
  **FGROUPS**
**TOOLS**
  **LIB**
  **PERL5**
  **NLS**

**Domino Linux on zSeries CD-ROM directory structure**

**INSTALL.PDF**
**LICENSE.TXT**
**README.NSF**
**README.PDF**
**START.TXT**
**ZLINUX.TAR.GZ** - Domino for Linux on zSeries installation package
**ZLINUX_CLIENT.TAR** - Workstation utility for Remote Server Setup
Additional items on Notes Client and Domino Designer CD-ROMs

In addition to the Notes installation files, there are the following items on the Notes and Domino Designer CDs. Please note that Lotus provides support only for Lotus software in the \APPS directory, and we support it on a best-effort basis. For other, non-Lotus software applications included in the \APPS directory, please refer to the appropriate third-party vendor for support.

Domino Global Workbench

Domino Global WorkBench is a fully integrated component of the Domino Designer development environment. Domino Global WorkBench enables Web application developers to quickly and cost-effectively deliver multilingual Web and intranet applications.

1. Documentation
   
   Please refer to online Help for more detailed information about the specifics of using Domino Global WorkBench 6. Our printable documentation, Guidelines for Developers and Translators, in Adobe Acrobat® PDF format, is available for download, from the Lotus Web site at www.lotus.com/international.

2. Overview of features
   
   Please refer to the "What's New" topic in Help for information about features that are new in Notes 6. For a detailed overview of features, refer to the "Overview" topic.

3. System Requirements
   
   The following hardware is recommended:
   
   A Pentium® or equivalent processor
   A minimum of 32Mb of memory
   Approximately 32Mb of hard disk space to install the software

   Operating system:
   
   Windows 95®, Windows 98®, Windows XP®, Windows 2000® or Windows NT® Release 4 is required to use this product.

   To use the WorkBench:
   
   Domino Designer 6 or above

   To translate Domino Global WorkBench glossaries:
   
   Notes 6 client, or above, or
   Domino 6 server and Internet Explorer 5.5 or later

   To use databases built by Domino Global WorkBench:
   
   Server: Domino 6 or above
   Client: Notes 6 or above, or a Web browser (see below)

   To install the Language Synchronizer:
   
   Server: Domino Release 5.0 or above

   Browsers:
   
   To work with Web-enabled language databases, a browser must be capable of supporting HTTP language detection, for example Netscape Navigator® 4.0 or later, or Microsoft Internet Explorer® 5.0 or later.
4. **Download and Installation**

To install from the Notes 6 CD:

Open the Apps\DGW folder and run Setup.exe.

To install after downloading from the Web:

You will have two files, DGW600.EXE and SETUP.BAT. The DGW600.EXE file is a self-extracting format. Download both files to a temporary directory on your hard disk. Then run SETUP.BAT which will unzip the application file and begin the installation process.

**Installation issues**

Before installing Domino Global WorkBench, be sure that your Notes program directory is in your path. Add it if necessary. (For example, in Windows 95 or 98 edit your C:\AUTOEXEC.BAT file and add C: LOTUS NOTES to the PATH= statement.)

If you are installing under Windows NT, 2000 or XP, and the user account being used does not have administrator privileges, you may find that installation terminates prematurely. This is because the install program is refused permission to copy the Microsoft MFC shared DLL, MFC42.DLL, resulting in installation terminating before it completes. The solution is to ensure that the user account you use to install Domino Global WorkBench has administrator rights on the NT machine. (For the majority of users this is the case, so the problem does not arise.)

5. **Glossaries**

The design of the Domino Global WorkBench glossary application (DGWGLOSS.NTF) has been enhanced. You can update the design of glossaries created using earlier versions of Domino Global WorkBench by choosing File - Database - Replace Design.

**Caution** The new glossary application now contains Notes 6 design features which will not work with Notes Release 5.

6. **Multilingual databases and browsers**

The default language of a multilingual database will only be observed if:

1. You choose a language for your browser that does not exist in the multilingual database, and
2. No other languages that are used in your multilingual database are present in the language listbox of your Web browser.

7. **Language switching and browsers**

When using Netscape or Internet Explorer to view multilingual databases created with Domino Global WorkBench, you must remove cached files before you can switch languages from the browser's 'Preferences' or 'Internet Options' dialog box. This is primarily relevant to developers, during testing.

**Workarounds**

**Netscape**: The cache size can be set to zero (0) in the 'Preferences' dialog. Otherwise, the cache must be emptied, again through the 'Preferences' dialog, when switching languages.

**Internet Explorer**: The cache size reduction in this browser is limited to 1% of the machine's hard-disk size, so it cannot be set to zero (0). The cache may be emptied via the 'Internet Options' dialog, or the option to delete cached files may be set in the 'Advanced' tab of the 'Internet Options' dialog (see below) when the browser is closed. The cached files are then deleted by closing and then reopening the browser.
8. **Synchronization**

The language synchronizer has not changed in this release of Domino Global WorkBench.

**Synchronized databases**

Performance issues have been noted when synchronizing large numbers of new documents ( > 1,000 ) where the databases are located on a server other than that on which the synchronizer server task is running. It is best to locate databases on the same server as the synchronizer server task.

9. **Bi-Directional language support**

Domino Global WorkBench includes bi-directional functionality for the Hebrew and Arabic languages. For details, see the topic “Support for bi-directional languages” in the documentation.

10. **LotusScript compile and Notes documents**

You may encounter problems if you use Domino Global WorkBench to localize Notes documents that contain LotusScript or formulas. This can happen if:

1. The form used by the documents contains some LotusScript and has the "Store form in document" property set (on the Info tab of Designer form infobox). The entire contents of the form are then included with every document created from it, but the LotusScript is not recomplied as part of the build process, even if it has been translated. The original (source database) version of the script will execute in the built database.

2. The documents have hotspots that contain script. This only applies to hotspots in the document content (in other words, added by the author in a rich text field). All hotspots in document content are signed as a security measure. Because Domino Global WorkBench cannot sign these hotspots it cannot translate the associated LotusScript. If the WorkBench encounters LotusScript in a signed hotspot, it issues the following warning:

   Warning: A signed hotspot could not be translated. The untranslated data may include scripts and/or formulas.

   The script is then copied to the target database without any changes (in other words, without tagging or translation).

   Workaround: LotusScript or formulas associated with signed hotspots must be translated by hand in the Notes 6 client after building is complete.

11. **Editing documents in a projects database**

Documents in a projects database are, by default, not editable. If a document must be edited, then it must be opened and View\Switch Form... selected. The form for the document is then chosen, and the document placed in edit mode.

   If a folder document name is edited in the project database, then the names of any project documents for this folder must also be modified to match or unexpected results may occur in the WorkBench.

12. **Keywords and values in help documents**

Sometimes a Notes application may span several databases, with all keywords and values grouped in help documents in one of the databases. Formulas referencing the database with the keywords and values will only continue to work if they contain the correct name of the database file they are calling. When localizing, you can either translate the database name in the calling formulas, in which case you must take care to rename the built database to the translated name, or you can leave the database name untranslated in the calling formulas, in which case the different language versions of the application will have to reside in different directories. The help documents themselves can be processed in the usual way by Domino Global WorkBench.

13. **Project icons in Windows XP**

In Windows XP, the display of project icons on the left frame of the WorkBench can be obscured if you create too many of them (more than about 25). You can alleviate the problem by organizing your projects into folders.
Language dictionary files

The language dictionary files are used for spell-checking within Notes. The following language dictionary files are included in a self-extracting file located in the \APPS\DICTIONARIES directory. Notes automatically installs certain dictionary files that correspond to your language version of Notes. If you want to use one of the dictionary files listed below and find that it has not been installed automatically by Notes, simply decompress the contents of the DICTIONARIES.EXE (DICTIONARIES.SEA for Macintosh) self-extracting file on the CD-ROM to a temporary directory on your hard drive and copy the appropriate dictionary file (listed below) into your Notes data directory.

<table>
<thead>
<tr>
<th>Language</th>
<th>Dictionary File Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Afrikaans*</td>
<td>AFRIKAAN.DIC</td>
</tr>
<tr>
<td>Arabic*</td>
<td>ARABIC.DIC</td>
</tr>
<tr>
<td>Catalan</td>
<td>CATALA.DIC</td>
</tr>
<tr>
<td>Chinese*</td>
<td>CLKCHS.DIC</td>
</tr>
<tr>
<td></td>
<td>CLKCHT.DIC</td>
</tr>
<tr>
<td>Czech*</td>
<td>CZECH.DIC</td>
</tr>
<tr>
<td>Danish</td>
<td>DANSK.DIC</td>
</tr>
<tr>
<td>Dutch</td>
<td>NEDERLND.DIC</td>
</tr>
<tr>
<td>Dutch Belgian</td>
<td></td>
</tr>
<tr>
<td>Dutch Preferred</td>
<td>NEDPLUS.DIC</td>
</tr>
<tr>
<td>English (Australia)</td>
<td>AUS.DIC</td>
</tr>
<tr>
<td>English (Canada)</td>
<td>US.DIC</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>English (Caribbean)</td>
<td></td>
</tr>
<tr>
<td>English (Jamaica)</td>
<td></td>
</tr>
<tr>
<td>English (New Zealand)</td>
<td></td>
</tr>
<tr>
<td>English (United States)</td>
<td></td>
</tr>
<tr>
<td>English (Ireland)</td>
<td>UK.DIC</td>
</tr>
<tr>
<td>English (South Africa)</td>
<td>SUOMI.DIC</td>
</tr>
<tr>
<td>English (United Kingdom)</td>
<td></td>
</tr>
<tr>
<td>Finnish</td>
<td></td>
</tr>
<tr>
<td>French (Belgium)</td>
<td></td>
</tr>
<tr>
<td>French (Luxembourg)</td>
<td></td>
</tr>
<tr>
<td>French (Standard)</td>
<td>FRANCAIS.DIC</td>
</tr>
<tr>
<td>French (Switzerland)</td>
<td></td>
</tr>
<tr>
<td>French (Canada)</td>
<td>CANADIEN.DIC</td>
</tr>
<tr>
<td>German (Austria)</td>
<td>DEUTSCH.DIC</td>
</tr>
<tr>
<td>German (Liechtenstein)</td>
<td></td>
</tr>
<tr>
<td>German (Luxembourg)</td>
<td></td>
</tr>
<tr>
<td>German (Standard)</td>
<td></td>
</tr>
<tr>
<td>German (Reform)</td>
<td>DEUTSCH2.DIC</td>
</tr>
<tr>
<td>German (Switzerland)</td>
<td>DSCHWEIZ.DIC</td>
</tr>
<tr>
<td>Greek*</td>
<td>HELLAS.DIC</td>
</tr>
<tr>
<td>Hebrew*</td>
<td>HEBREW.DIC</td>
</tr>
<tr>
<td>Hungarian*</td>
<td>MAGYAR.DIC</td>
</tr>
<tr>
<td>Icelandic*</td>
<td>ISLENSK.DIC</td>
</tr>
<tr>
<td>Italian (Standard)</td>
<td>ITALIANO.DIC</td>
</tr>
<tr>
<td>Italian (Switzerland)</td>
<td></td>
</tr>
</tbody>
</table>
### Language | Dictionary File Name
--- | ---
Medical (American) | US.MED
Medical (British) |  
Medical (British IZE) |  
Norwegian (Bokmal) | NORBOK.DIC
Norwegian (Nynorsk) | NORNYN.DIC
Polish* | POLSKA.DIC
Portuguese (Brazil) | BRASIL.DIC
Portuguese (Standard) | PORTUGAL.DIC
Russian* | RUSSIAN.DIC
Russian (Io)* |  
Spanish | ESPANA.DIC
Spanish (Argentina) |  
Spanish (Bolivia) |  
Spanish (Chile) |  
Spanish (Colombia) |  
Spanish (Costa Rica) |  
Spanish (Dominican Republic) |  
Spanish (Equador) |  
Spanish (Guatemala) |  
Spanish (Mexico) |  
Spanish (Modern Sort) |  
Spanish (Panama) |  
Spanish (Paraguay) |  
Spanish (Peru) |  
Spanish (Uruguay) |  
Spanish (Venezuela) |  
Swedish | SVENSK.DIC
Thai* | SPELLT.GRA
Turkish* | TURKIYE.DIC

* is available for Windows platform only.

### Monotype WorldType fonts
Monotype WorldType™ fonts support Unicode-based display of multilingual text. Five different fonts are available, each tuned to a different multilingual environment. Subsetting the fonts-based character set usage significantly reduces the size of a font, thus improving performance. Information about Monotype's Unicode fonts can be found at [http://www.monotype.com](http://www.monotype.com). The following fonts are included in a self extracting file located in the `\APPS\FONTS` directory:

- **MTSANS_W.TTF** -- Monotype Sans WT (True Type) version 5.02 Covers the WGL4 character set. This font is suitable for use with most uses of the Latin alphabet (including all diacritical marks), as well as Greek, Cyrillic, Slavic, Turkish, Arabic and Hebrew languages.
- **MTSANS_JOUTLINE.TTF** -- Monotype Sans WT J (True Type) Covers the WGL4 character and the Japanese language with some support for other Asian languages.
- **MTSANS_KOUTLINE.TTF** -- Monotype Sans WT K (True Type) Covers the WGL4 character set and the Korean language with some support for other Asian languages.
- **MTSANS_SOUTLINE.TTF** -- Monotype Sans WT SC (True Type) Covers the WGL4 character set and Simplified Chinese with some support for other Asian languages.
- **MTSANS_TOUTLINE.TTF** -- Monotype Sans WT TC (True Type) Covers the WGL4 character set and Traditional Chinese with some support for other Asian languages.
These fonts are designed for Windows use only. Execute the self extracting file FONTS.EXE in the \APPS\FONTS directory on the CD-ROM to decompress the contents to a temporary directory on your hard drive. The fonts can then be installed using the normal operating system procedure for installing fonts:

On Windows systems:
1. Open the Control Panel.
2. Open the Fonts folder.
4. Specify the drive and directory of the temporary directory containing one the above fonts.
5. Normally only one of the above fonts should then be selected for installation.

You may want to make a WorldType font your default Multilingual Font in Notes; open the User Preferences -> Basics panel and set the default Multilingual font in the "Default Fonts" dialog.

SwiftFile Mail Assistant 2.0
SwiftFile is an add-on to the Notes client that helps users file their e-mail into folders. SwiftFile learns to predict where the user is likely to file each incoming message. Based on its predictions, SwiftFile adds three shortcut buttons to the top of each message that can be used to quickly file a message into one of the suggested folders. When one of SwiftFile's predictions is correct, the effort required to file a message is reduced to a single button click.

Installation
SwiftFile can be installed from the Notes 6 CD by running setup.exe in the Apps\SwiftFile directory. After the SwiftFile installer completes, follow the directions in the SwiftFile ReadMe file to enable SwiftFile for your mail database.

International Support
SwiftFile supports all languages supported by Lotus Notes. Multiple languages can be mixed within the same database and even within the same document without adversely affecting SwiftFile’s prediction ability.

System Requirements
Windows 95/98/NT SP4/2000/XP
32 MB RAM
10 MB free disk space
Lotus Notes 6 or later

InstallShield Tuner for Lotus Notes
Creating a transform file to customize the IBM Lotus Notes 6 client installation package requires a third-party tool, such as InstallShield® Tuner. Lotus Notes 6 contains an OEM version called InstallShield Tuner for Lotus Notes that lets you create customization transforms to add resources, change defaults, or hide features present in the standard Lotus Notes 6 kit. Note that InstallShield Tuner for Lotus Notes works with both Lotus Notes 6 client packages (Notes only and All Clients), but cannot be used to customize any other MSI packages.

To install InstallShield Tuner for Lotus Notes, run setup.exe from the Apps\InstallShield Tuner for Lotus Notes folder on the Lotus Notes 6 Installation CD.

Please note that IBM Technical Support does not provide assistance for InstallShield Tuner for Lotus Notes. However, InstallShield Tuner for Lotus Notes does include comprehensive online help to familiarize you with the process of customizing an industry-standard Windows Installer (.MSI) package. For additional details about InstallShield Tuner OEM, please visit the InstallShield web site at http://www.installshield.com.

For additional Lotus Notes-specific customization information, please see the following topics in the Lotus Domino Administrator 6 Help:

Creating a transform file
Installation options available using the transform file
Customizing client installations
Using transform files for end-user installations
Setting up client installation for users
Lotus Domino Toolkit for WebSphere Studio 1.1
The Lotus Domino Toolkit for WebSphere Studio is a plug-in for WebSphere Studio Site Developer 5. It allows you to add Domino 6 custom tags to Java server pages, providing a simple way to blend Domino and J2EE applications. JSP tags are XML tags embedded in a JSP providing data access, data input, and process control. The tags abstract the Domino objects for Java (Domino Java API) and provide a quick development turnaround for building J2EE applications that use Domino data and services.

The toolkit provides a dedicated pane in WebSphere Studio where you open the Domino database you wish to work with. The pane displays the views, columns, forms, fields and Domino server agents in the database, and provides two quick ways of putting Domino tags into your page:

- You can right-click an item and choose Add to Web Page from the Context menu, or
- You can drag and drop an item directly into the page.

Either of these operations will paste a tag representation of the item into the editor at the current cursor position. Of course, if you prefer, you can add the tags manually in the editor.

Installation
Lotus Domino Toolkit 1.1 for WebSphere Studio can be installed from the Notes/Domino Designer CD from the Apps\LDTWS directory.

Follow the instructions in the readme.txt file.

System Requirements
In order to work with JSP custom tags for Domino you will need:

- WebSphere Studio Site\Application Developer 5
- Domino 6.x Server
- For application runtime, Domino 6.x and WebSphere Application Server

Release 1.1 of Lotus Domino Toolkit for WebSphere includes the following features
Support for the following platforms:

- WebSphere Application Developer 5.0, 5.01 and 5.1
- WebSphere Site Developer 5.0, 5.01 and 5.1

Categorization and drag-and-drop-enablement of all Domino Custom Tags in the Utilities menu.
Support for Domino Custom Tags within WebSphere Portal deployments.

Administrator Client, Server

Updating the Lotus Domino Toolkit for WebSphere JAR files
To update the JAR files for Lotus Domino Toolkit for WebSphere to the latest versions:

1. Locate the following Domino files

   In \domino\Data\domino\java (where \domino\ is the Domino install directory):
   - domtags.jar
   - domtags.tld
   - domutil.tld
   - NCSO.jar

   In \domino\Data\domino\java (where \domino\ is the Domino install directory):
   - The editctrl directory and files (needed for the richtext applet)

   In \domino\Domino\data\domino\java (where \domino\ is the Domino install directory):
   - editor.jar
   - editor.cab
   - editor.properties

   In the Domino install directory:
   - Notes.jar
2. **Copy the files to the following directories**

   To
   <websphere_studio>\wstools\eclipse\plugins\com.ibm.etools.webtools.domino\tagslib (where <websphere_studio> is the WebSphere Studio install directory):
   - domtags.jar
   - domtags.tld
   - domutil.tld
   - NCSO.jar
   - Notes.jar

   To <websphere_studio>\wstools\eclipse\plugins\com.ibm.lotus.domino.lib (where <websphere_studio> is the WebSphere Studio install directory):
   - NCSO.jar
   - Notes.jar

3. **If you wish to update the library sample application**

   - Copy domtags.jar, NCSO.jar and Notes.jar to <sample>/Web Content/WEB-INF/lib (where <sample> is the directory where the sample application has been created).
   - Copy domtags.tld and domutil.tld files to <sample>/Web Content/WEB-INF.
   - Copy the editctrl directory to <sample>/Web Content/editor
   - Copy editor.jar, editor.cab, and editor.properties to <sample>/Web Content/editor.

---

**Administrator Client, Client, Designer, Server**

**Help databases - usage and availability**

Lotus Notes 6.5.x and Lotus Domino 6.5.x include Help databases for Lotus Notes, Lotus Domino Designer, and Lotus Domino Administrator. The Help databases are installed by default in the HELP directory of your Notes or Domino data directory.

**PLEASE NOTE:** The last update to the on-line Help files references version 6.5.1 on the Welcome Page; subsequent updates to the on-line Help documentation appear in these release notes in Chapter 4 - Documentation updates.

<table>
<thead>
<tr>
<th>Title</th>
<th>Database file name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lotus Notes 6.5 Help</td>
<td>HELP65_CLIENT.NSF</td>
<td>Lotus Notes Client Help</td>
</tr>
<tr>
<td>Lotus Domino 6.5 Designer Help</td>
<td>HELP65_DESIGNER.NSF</td>
<td>Lotus Domino Designer and programming language Help</td>
</tr>
<tr>
<td>Lotus Domino 6.5 Administration Help</td>
<td>HELP65_ADMIN.NSF</td>
<td>Lotus Domino server and Lotus Domino Administrator Help</td>
</tr>
</tbody>
</table>

You can access Help in the following ways:

- Click the link to Help on the Notes, Domino Designer, or Domino Administrator Welcome pages
- Choose Help --> Help topics
- Press F1
- Click the '?' in the top right corner of most dialog boxes
- Choose File --> Database --> Open and browse your local directory or a Domino server
Installation

Administrator Client, Client, Designer, Server

Installing Lotus Notes 6
Lotus recommends that you do not install both Lotus Notes 6 and Lotus Notes 5.0x or Lotus Domino on the same machine. You should upgrade your Lotus Notes 5.0x build to Lotus Notes 6 instead. However, if you do need to install both Lotus Notes 6 and 5.0.x on the same machine, be aware that this installation could have adverse effects on the operation of the R5.0.x Client (or server) that was previously installed (for example, uninstall will not work for R5.0.x, OLE will point to the Notes 6 directory, etc.). With that understanding, follow the steps below to install Notes 6 on a machine that also has 5.0.x installed:

1. Rename and save the NOTES.INI file from your current 5.0.x release.
2. Run the Notes 6 install program, specifying a new program directory, a new data directory, and a new Windows folder.
3. Once the install program has finished, rename the 5.0.x NOTES.INI file back to "notes.ini" so you can continue using 5.0.x.

Administrator Client, Server

Before you upgrade from Release 4.x to Domino 6
Before you upgrade your domain, back up your ODS version 20 Domino Directory (NAMES.NSF) file. If the NAMES.NSF file becomes corrupted, it is difficult to convert a later version of it to ODS version 20.

Administrator Client, Client, Designer, Server

Upgrading to Notes/Domino 6 is supported from 4.5.x
Please note that IBM/Lotus supports upgrading from R4.5.x and later releases, to Notes/Domino 6. Any references in the Lotus Notes 6 and Domino 6 Administrator Help files requiring at least R4.6.7 to upgrade to Notes/Domino 6 are incorrect.

Note: To replicate the Domino 6 Domino Directory to Domino 4.6 servers, you must upgrade Domino 4.6 servers to Domino 4.6.7a.

Administrator Client, Client, Designer

Upgrading Lotus Notes must be to the same directory
There can be only one registered Lotus Notes client in your registry, per operating system. Lotus does not support having multiple Lotus Notes installs on the same operating system. If you currently have an install on your operating system, and attempt to install a newer version, you must install the newer version to the same program and data path (upgrading the existing install), otherwise, you will need to uninstall the older version of Lotus Notes before installing the newer one.

Administrator Client, Client, Designer

Not all mapped network drives appear when browsing
There is an intermittent problem when browsing network drives on some Windows machines through the installer. Not all mapped drives will appear in the drop down list. To install to a drive that isn't available in the "Look in" drop down list, simply type the full path in the "folder name" field.
Client install requires Windows Installer Version 2.0

The Lotus Notes 6 installation requires the Windows Installer Version 2.0 or later.

When attempting to install as a non-administrator, and the supported version is not found, users will receive the following message:

1202: Lotus Notes requires Windows Installer 2.0 or later, which is not present on your system. Please log on as an Administrator and rerun setup.exe or have your System Administrator update your installer for you. See Release Notes for additional information.

Installation of the Windows Installer requires administrative rights. In cases such as shared installations, where "Lotus Notes 6.msi", is used in place of "setup.exe", non-administrators will not be prevented from installing if the required version is not present. Ensure that the required Windows Installer Version 2.0 is installed on the system before completing the install through "Lotus Notes 6.msi".

To check the current version on your system, from the command line, type "msiexec -?".

Lotus Notes 6 Installation permissions

Windows NT, 2000, and XP users are recommended to log onto their system with administrative rights to install the Lotus Notes 6 client. For cases in which administrative rights are not available or not provided, it may be possible to successfully install the client. However, in some cases certain Lotus Notes 6 features may not be properly registered on your system.

Please note that service install options, such as Client Single Logon, are only supported when the Lotus Notes 6 installation is performed with administrative rights.

Enabling the Group Policy options "Always install with elevated privileges" will, in most cases, allow Power Users to successfully install and use Lotus Notes 6.

Installing Lotus Notes 6 as a restricted user is not suggested. Without the use of the elevated install privileges, restricted users will fail to successfully install due to insufficient access to write keys to the system's registry.

Where an administrator installs Lotus Notes 6 for users, permissions other than the system defaults are required in some cases (typically Windows XP). Ensure that users are allowed both Write and Modify permissions to the Program directory, Data directory, and all associated subdirectories.

Automated Client configuration

A mechanism to configure a Client with less user intervention, called "automated configuration" is available in Lotus Notes and Domino 6. If sufficient information is provided, the user would only need to enter a password (if it required one) for the id file. Any or all subsets of setup can be bypassed by providing the values needed to complete those sections.

Automated configuration can be enabled as follows. If the notes.ini file contains the line:

CONFIGFILE=path of text config file

This file is used as input to drive the configuration. Dialogs would only be displayed if required information is missing.

The config file contains lines of the following format.

parameter = value (spaces are ok but not required, case insensitive)
Subsets of the Client configuration wizard are bypassed if the information is provided in the file. For instance, if enough information is present to connect to a Domino server and look up the user, those dialogs are bypassed and the Client is configured with these settings. If enough information is provided to access a newsgroup server, the appropriate documents in the personal address book are created. If some, but not all, information is supplied to configure a component, the dialogs are displayed with the supplied information present in the dialogs.

Supported parameters, with additional descriptions for some, include (these names are subject to change in a future release):

- **Username**
- **KeyfileName**
- **Domino.Name**
- **Domino.Address** if an address is needed to connect to the server, for example an IP address
- **Domino.Port**
- **Domino.Server** 0 or 1 sets or clears the "I want to connect to a Domino server" button
- **AdditionalServices** if set to 1, forces the "Additional Services" dialog to display.
  - This contains internet, proxy, and replication settings
- **AdditionalServices.NetworkDial**
  - **Mail.Incoming.Name** the account name
  - **Mail.Incoming.Server**
  - **Mail.Incoming.Protocol** 1 for pop, 2 for imap
  - **Mail.Incoming.Username**
  - **Mail.Incoming.Password**
  - **Mail.Incoming.SSL**
  - **Mail.Outgoing.Name** the account name
  - **Mail.Outgoing.Server**
  - **Mail.Outgoing.Address**
  - **Mail.InternetDomain**
- **News.Name** the account name
- **News.Server**
- **Directory.Name** the account name
- **Directory.Server**
- **NetworkDial.EntryName**
- **NetworkDial.Phonenumber**
- **NetworkDial.Username**
- **NetworkDial.Password**
- **NetworkDial.Domain** optional dialup networking domain
- **Proxy.Username** optional proxy username
- **Proxy.Password** optional proxy password
- **Proxy.HTTP**
- **Proxy.FTP**
- **Proxy.Gopher**
- **Proxy.SSL**
- **Proxy.HTTPTunnel**
- **Proxy.SOCKS**
- **Proxy.None** the proxy exception list
- **Proxy.UseHTTP** 0 or 1 use the http proxy for the others checkbox
- **Replication.Threshold**
- **Replication.Schedule**
How to silently install 6.x client with Upgrade by Mail feature
When silently upgrading your existing Lotus Notes client using a 6.x install with the Send Upgrade Notification action, you will need to edit the setup.ini file that exists in the install kit to read:

```
[Startup]
CmdLine=/qn
```

When the corresponding setup.exe is envoked the upgrade will be in silent mode.

To display a progress bar and a message that the installation has completed, use the following entry:

```
[Startup]
CmdLine=/qb+
```

Silent upgrades from 6.x Clients will upgrade the previously installed options. Silent upgrades from pre-6.0 Clients will install the default install options, a Lotus Notes client. When upgrading a pre-6.0 Client silently to something other than the default options, you must create and apply a transform. Please see "Creating a transform file" and "Using transform files for end-user installations" in the Help documentation. The transform will need to be applied through the setup.ini as well:

```
[Startup]
CmdLine=/qb+ TRANSFORMS="custom.mst"
```

Note: All installations performed from this install kit on the network will be silent installs and have the transform applied to them if applicable.

To enable Progress Bar during silent Client install
If you'd like to see a progress bar display on your screen during a silent install of the Lotus Notes Client, use the switch /qb in the command line.

With multi-user Client, turn off Auto Log-on for Sametime
When the Notes client has been installed using the multiuser option, we highly recommend that Sametime users turn off 'Log On Automatically'. There is a greater likelihood that Sametime users will run into a security issue with Auto log-on when Notes has been installed in a Multiple User configuration because users will be sharing a machine.

Migration from R5 to Domino 6 Shared Mail
When upgrading from R5 to Domino 6, shared mail is effectively disabled. Shared mail (SCOS) databases from R5 and previous versions can not be used for active mail delivery in Domino 6 shared mail configurations. They are maintained for reading existing messages. New SCOS databases are not automatically created on upgrade because the administrator has many options for placing the databases and there is no convenient default.

Notes 6 permits flexibility in the number of shared mail directories, databases, and placement of same. A server can be configured with multiple shared mail directories, each of which contain multiple shared mail databases. These are all actively used for new mail delivery. During delivery, a destination SCOS database is chosen; user mail databases are no longer associated with a single SCOS database.

The administrator describes the configuration in the server document (using the Administrator Client, or Notes Client to edit the Directory); there is a new tab for Shared Mail. The creation of the databases and the directories is automatic by the server. To configure the shared mail databases, set up the desired configuration in the server document then restart the server.

Use the 'Show SCOS' and 'Show SCOS all' commands on the server console to view the status of the current SCOS configuration.
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes

Chapter 2 - Things you need to know

Client

**Upgrading folder design**

After upgrading to Notes 6 you may want to upgrade the design of your folders to the new design. To do so you should choose "Actions -> Upgrade Folder Design".

Depending on the template version you previously used, you may have an "Upgrade Design" option under "Actions -> Folder". However, this option should not be used, and will in fact be removed after all folders have been upgraded to the new Notes 6 folder design.

Administrator Client

**Custom Welcome page deployment requires ACL change to database**

To deploy a Custom Welcome page via Policies, please follow the updated instructions below when creating a welcome page database:

1. From the Domino Administrator, choose File - Database - New.
2. In the Server field, select Local.
3. In the Title field, enter the name of the new database. The file name is entered by default, but you can modify it. The file name can be anything except BOOKMARK.NSF.
4. In the Template Server field select Local.
5. Click Show advanced templates.
6. Click the Bookmarks (R6) template.
7. Click OK.
8. Go to File - Database - Access Control and change the -Default- access to Reader

Administrator Client, Server

**Smart Upgrade by full path method**

Smart Upgrade will not prompt the user if the full path to the kit is inaccessible. Please make sure the full path of the Smart Upgrade kit is available, test it for Smart Upgrade, then show the kit to all Notes Client users when the Domino Administrator is creating a Smart Upgrade kit.

Administrator Client

**Smart Upgrade doesn't support Full Kit install for multi-users**

Smart Upgrade does not support the "Full Notes Client kit" install option for a multi-user install. The Domino Administrator must upgrade multi-user installs using the "Notes Client only kit" install option.

Administrator Client, Server

**Smart Upgrade kit document must have text in "Admin Notes" field**

The Smart Upgrade database contains documents called Upgrade Kit documents. The form for an Upgrade Kit document includes a tab entitled ‘Admin Notes’. The purpose of this tab is to provide notes or comments that will be read by a user before they upgrade their client. The contents of this field are displayed when the user clicks on the "Read Me First" button in the Smart Upgrade pop-up window.

When this field is not populated in a Smart Upgrade Kit document, it has the potential to cause a crash on Windows 95 or Windows 98 clients when Smart Upgrade is launched on their system. To avoid this problem, make sure to always include ASCII character or " " (space) in the Admin Notes field of a Smart Upgrade Kit document.
Administrator Client, Server

Smart Upgrade: optional arguments for silent incremental install
To minimize end user interaction when using the Windows incremental installer to deploy upgrades, administrators can use the Smart Upgrade feature with the following parameters in the Optional arguments field with full install kits or incremental/upgrade kits:

`/s /v"/qb"`

This will run the installer silently, providing a progress bar during the installation. To also have a message box when the upgrade is complete add the + parameter after the b (`/s /v"/qb+"`)

The Lotus Notes Smart Upgrade process will run any executable specified by the administrator who configures the upgrade kit. You will need to rename the downloaded kit (e.g. c491vna.exe) to setup.exe and updating the upgrade kit document in the Smart Upgrade Kits database to reflect this change permits Smart Upgrade to accept optional arguments as expected. For clients running 6.0.2 or later it will not longer be necessary to rename the downloaded file.

Administrator Client, Client

Smart Upgrade must upgrade multiple languages together
When upgrading the Notes client, Smart Upgrade is able to recognize whether more than one language has been installed, and upgrade all of them. Note, however, that if a user tries to upgrade when only some of their installed languages are available in the Smart Upgrade database, the user will receive a warning telling them what languages are available on their system, and what languages are available for Smart Upgrade (Administrators - Please note that Domino Administrators need to create an entry for every language in the Smart Upgrade database on the server).

If the user then chooses to continue with a language that is not available, Smart Upgrade will be disabled. For example, if a user has English and German, and only an English release of Notes is initially available for Smart Upgrade, German will be disabled, but the user will be warned by Smart Upgrade before this happens. It is recommended that users with multiple languages installed on their machine update all their languages together.

Client

Macintosh - Upgrading Issues
Upgrading your Macintosh install won't change the time stamp on files that are being upgraded. If you'd like to see the correct time stamp on these files, you will have to run custom installation to remove the files prior to upgrading.

If you have a dual boot operating system (OS 9.x and OS 10.x) and wish to upgrade either a Lotus Notes 4.x or Lotus Notes 5.x install, you will need to perform the upgrade on the Macintosh OS 9.x side in order for your Lotus Notes files that exist in your Extensions folder get migrated to your program directory.

Administrator Client, Client, Server

Macintosh - Warning dialog during OS X install may be ignored
During installation of Notes for the Macintosh OS X, users may see a warning dialog asking them to quit the ".smmacins" application. This dialog can be safely ignored, and installation continued.

Client

Macintosh - Need to rebuild desktop to view new icons
It has been reported that some Macintosh machines don't see the new Lotus Notes icons. To correct this problem, simply rebuild your Macintosh desktop and the new icons will be displayed properly.

Client

Macintosh - Manually remove keychain entry after uninstalling
When uninstalling the Notes Client whose password is stored in the keychain, you will need to manually remove the keychain entry for Lotus Notes.
Administrator Client, Client, Designer

**Uninstall Designer/Administrator via modify leaves icons behind**

When modifying an existing install to de-select (i.e., remove) the Designer or Administrator Client, the desktop and Start Menu icons will remain for the Designer and Administrator Clients. Clicking on these desktop icons will reinstall the specified Clients.

Simply delete the icons from the desktop and Start Menu if you wish to no longer be able to reinstall the Designer or Administrator Clients.

Server

**Domino 6 cannot install Partition Server over Single Server**

On Windows platforms, the Domino 6 installer program makes a distinction between a Single Server Installation and a Partition Server Installation.

A Single Server installation will consist of a single Program directory, and a single Data directory. The Notes.INI file, which contains configuration information for the server, will be stored in the Program directory. This has been maintained in Domino 6 in order to support previous versions of the Notes/Domino server.

A Partition Server installation will consist of a single Program directory, and multiple Data directories. Because each server has a different configuration, each server must have its own Notes.INI file. Because of this, the Notes.INI file will be stored in the Data directory of each partition.

The Domino 6 installer does not support upgrading or reinstalling a Partition server over an existing Single server. This is because the Notes.INI file cannot safely be relocated without making significant changes to its contents.

If a user has an existing Single server installation, and needs to replace this with a Partition server installation, then the single server should be Uninstalled, using the Add/Remove programs utility in Windows. Then the user must copy the Notes.INI from the Program Directory to the Single servers Data directory. The Data files from the Single server will be left behind in the original Data directory. Next, the user may install a new Partition server, using the same location as the original Program Directory. The original Data directory can be selected as one of the new Partitions, as well as other Data directories that will be created by the installer. After the Partition server installation is complete, the original server will be one of the new Partitions installed, and should function normally.

Server

**Upgrade W32 Domino Server from R4.x to 6 launches Setup again**

For the Domino 6 Release, a problem has been found when upgrading the server from Lotus Notes Server 4.x (including 4.5 or 4.67) on Windows platforms. This problem causes the server to launch the Setup program when it is started instead of detecting the servers existing configuration.

This is caused by the fact that in release 4 the notes.ini file is stored in the operating system directory (such as C:\WINNT). The installer is not successfully copying this file into the server’s Program Directory (or Data Directory for partition servers). Instead, a new notes.ini is being added, which causes the server to believe that is has not been configured yet, and launch the Setup program.

**Workaround**

This problem can be solved by copying the original R4 notes.ini file from the operating system directory into the server’s Program Directory (or Data Directory for partition servers) before performing the Domino 6 upgrade installation. This will allow the install program to detect the notes.ini and make any necessary changes to it during the Domino 6 upgrade.

Server

**Spaces in Domino Server install path will prevent server restart**

In Domino 6, the Domino Server on W32 systems has a problem that will prevent the “restart server” console command from operating successfully if there are spaces in the path to which the server is installed.

For example, if the Domino server is installed to this location: "C:\Lotus Software\Domino\Data", the “restart server” command will shut down the Domino Server, but will not relaunch it.

Using Domino 6, it is advisable to install the Domino server to a path that does not contain spaces.

On an existing server installation (or upgrade), this problem can be remedied by renaming the installed path (for example, changing C:\Lotus Software\Domino to “C:\LotusSoftware\Domino”), and then reinstalling the Domino server to the new path. This will update the Windows Registry so that it contains the correct information.
Webkits - Installation file unpacking issue

When running the self-extracting executable for the Windows 2000 or Windows NT version of the Lotus Notes and Domino 6 webkit, the following error message may appear:

"There is not enough space on drive C:\ to extract this package. Please free up 147.36 MB and click Retry."

This message is generated when a system does not have enough temporary space available for the installation files to be extracted. The packaging program utilizes the system's TMP environment variable to detect the location to unpack these files to. This location is typically on the C: drive. In the case that the C: drive does not have sufficient disk space available to unpack the installation files, this error is displayed.

The workaround to this problem is to a) clean up the C: drive so that there is sufficient disk space available to unpack all of the installation files (at least 300 MB), or to change the system's TMP variable to point to a drive that contains enough space to unpack the installation files.

Server

Specify the Server Controller as an NT service at installation

If you wish to change the parameters, then you can use the SC tool (Sc.exe) included in the Resource Kit. See Microsoft Knowledge Base Article - Q251192 at http://support.microsoft.com/default.aspx?scid=kb;en-us;Q251192

To add the -jc to a standalone server installed as a service you would do:

```sc config "Lotus Domino Server (lotusdominodata)" binPath= "c:\lotus\domino\nservice.exe
=c:\lotus\domino\notes.ini -jc"
```

This is of the form: sc <server> [command] [service name] <option1> <option2> . . .

Server

Unix - Domino 6 multi-version Unix installations

In order to provide customers with more flexibility when installing Domino on Unix platforms, multiple Domino 6 installations are permitted on a single machine. Please note that Domino 6 installations on Unix now install exactly where specified, and only affects "/opt/lotus" when installing to that location. When specifying the "Program Directory" during a Unix installation, the "lotus" designation continues to be automatically appended to the installation location.

Assuming Unix installation to "/local/R6/lotus":

- "server" start-up must be invoked via "/local/R6/lotus/bin".
- If "/opt/lotus" existed prior to such an installation, then "/opt/lotus" continues to reference the previous installation.
- If "/opt/lotus" did not exist prior to such an installation, then "/opt/lotus" continues to not exist.
- Operations which are typically specified via "/opt/lotus/bin" should be specified via the selected "R6" installation location.

Assuming Unix installation to "/opt/lotus", (i.e. taking the default install location):

- The previous installation is "moved" or saved, and "/opt/lotus" will reference the new installation.
- If necessary, environment variable "NUI_YESOPTLOTUS=1", set prior to the installation process, will create the symbolic-link back to "/opt/lotus" and will back-up any previous Domino installations --- i.e. force installation to behave as before.
Server

**Linux - Default network queue parameter should be reset**

There is an issue with the default size of the network queue as set on Linux via the kernel parameter `tcp_max_syn_backlog`. The default value is 5 but, under certain conditions, that may not be large enough; on other UNIX systems the default is 20, which is a better setting.

It is recommended that the user change this parameter in their kernel by changing the value stored in `/proc/sys/ipv4/tcp_max_syn_backlog` (or `/proc/sys/ipv6/tcp_max_syn_backlog` for ipv6) such that it is no less than 20. Since this is a parameter in the running kernel, it must be done each time the system is booted; an easy way to accomplish this is by making an entry in your startup scripts (such as `rc.local`).

Server

**Linux - Setting up Domino on Linux for non-'C' locales**

The Linux glibc 2.1 has a bug that causes `setlocale()` to fail for many locales.

**Workaround**

In the NOTES.INI file set the following:

```
PLATFORM_CSID=hhh
```

where `hhh` is a hex number that represents the codepage from the following list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Codepage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0040</td>
<td>37</td>
</tr>
<tr>
<td>0CA5</td>
<td>256</td>
</tr>
<tr>
<td>0CA6</td>
<td>259</td>
</tr>
<tr>
<td>0041</td>
<td>273</td>
</tr>
<tr>
<td>0CA7</td>
<td>274</td>
</tr>
<tr>
<td>0CAB</td>
<td>275</td>
</tr>
<tr>
<td>004C</td>
<td>277</td>
</tr>
<tr>
<td>0042</td>
<td>278</td>
</tr>
<tr>
<td>0043</td>
<td>280</td>
</tr>
<tr>
<td>0CA9</td>
<td>281</td>
</tr>
<tr>
<td>0CAA</td>
<td>282</td>
</tr>
<tr>
<td>0044</td>
<td>284</td>
</tr>
<tr>
<td>0045</td>
<td>285</td>
</tr>
<tr>
<td>0046</td>
<td>290</td>
</tr>
<tr>
<td>0047</td>
<td>297</td>
</tr>
<tr>
<td>0CAB</td>
<td>361</td>
</tr>
<tr>
<td>0CAD</td>
<td>382</td>
</tr>
<tr>
<td>0CAE</td>
<td>383</td>
</tr>
<tr>
<td>0CAF</td>
<td>384</td>
</tr>
<tr>
<td>0CB0</td>
<td>385</td>
</tr>
<tr>
<td>0CB1</td>
<td>386</td>
</tr>
<tr>
<td>0CB2</td>
<td>387</td>
</tr>
<tr>
<td>0CB3</td>
<td>388</td>
</tr>
<tr>
<td>0CB4</td>
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</tr>
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<td>390</td>
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<td>391</td>
</tr>
<tr>
<td>0CB7</td>
<td>392</td>
</tr>
<tr>
<td>0CB8</td>
<td>393</td>
</tr>
<tr>
<td>0CB9</td>
<td>394</td>
</tr>
<tr>
<td>0CBA</td>
<td>395</td>
</tr>
<tr>
<td>0CBB</td>
<td>423</td>
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<td>0CBC</td>
<td>424</td>
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<td>437</td>
</tr>
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<td>0CE0</td>
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<td>775</td>
</tr>
<tr>
<td>0CBD</td>
<td>803</td>
</tr>
<tr>
<td>0026</td>
<td>813</td>
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<tr>
<td>0020</td>
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<td>0001</td>
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<td>0003</td>
<td>853</td>
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<tr>
<td>000A</td>
<td>855</td>
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<tr>
<td>0C00</td>
<td>856</td>
</tr>
<tr>
<td>0004</td>
<td>857</td>
</tr>
<tr>
<td>000B</td>
<td>860</td>
</tr>
</tbody>
</table>
For example:

```
PLATFORM_CSID=CA5
```

would set Notes to use Code Page 256

This will force Domino to run in the desired locale no matter what the value of the LANG environment variable.
To specify date order, etc.
   dateorder=DMY
   or
dateorder=YMD
   or
dateorder=MDY
You can also set
   dateseparator=any char
   and
timesepartor=any char
Create a symbolic link for the desired locale to the C locale. For example:
   ln -s desiredlang_desiredcountry C

Language Pack installation
The Lotus Domino Language Pack Installer adds, replaces, and removes language packs from your Domino server.
Language packs include translated versions of standard Domino system templates, such as the Discussion and Mail
templates, as well as certain binary files required by the server.
You can customize the language pack installation by choosing which language packs and templates to add, which
ones to replace, and which ones to remove from the Domino server.

Add language packs to the server
Installs language packs by merging translated forms, views, and other design elements with your existing language
templates. The Language Pack Installer also installs additional files for Web enablement. You can add more than one
language pack to the Domino server, and you can select which templates to add to the server. By default, the
Language Pack Installer adds all translated templates to the server.

Replace existing language packs
Overwrites the current language of the server with the selected language pack. You can only replace with one language
pack at a time.

Remove language packs from the server
Uninstalls specified language packs from the Domino server by removing the translated forms, views, and other design
elements from your templates. You can only remove languages added by previous installs of Language Pack Installer.

For more detailed instructions about using the Lotus Domino Language Pack Installer, including system requirements
and a list of translated templates, please refer to the Lotus Domino Language Pack Installer ReadMe file, included on
the product CD.

Activity Trends Installation
Activity Trends is a new feature that will be available as a separate product offering in the future. Please see the
release note titled "Server Health Monitoring" for information about the other part of this product offering.

Installation Considerations
Activity Trends uses the new Activity Logging feature. You must enable Activity Logging to gather data and produce
activity data about the selected server tasks. Use the Configuration Settings document to enable both Activity Logging
and Activity Trends data collection.
1. From the Domino Administrator, click the Configuration tab, expand the Servers section, and then choose
   Configurations.
2. Choose Add Configuration or Edit Configuration.
3. Click the Activity Logging tab, and then the Activity Logging sub tab.
4. Under "Enabled logging types" place a checkmark beside all the server tasks that you want to produce Activity
   Logging data. You should enable all tasks except Domino.MAIL (with regards to Activity Trends data collection).
5. Under "Checkpoint interval," use the default time of 15 minutes.
6. Check "Yes" for "Log Checkpoint at Midnight" and "Log Checkpoint for Prime Shift."
7. Set a "Prime Shift Interval" that is appropriate for your environment. The interval must be on the hour and represents the start and end of prime shift. Activity Trends data collection uses Prime Shift to provide interval reporting for the activity.
8. Click the Activity Trends tab, and then click the Basics tab.
9. Check "Yes" for "Enable Activity Trends Collector." We recommend you use the defaults for the Activity Trends settings at this time.
10. Click the “Save & Close” button.

Note: Be aware that the Activity Trends collector processes data for historical trends, therefore the first effective run of the data collection processing will be the day following the initiation of the Activity Logging.

Client, Server

Updating the LSX Toolkit
The LSX Toolkit provides source code that gets built into custom LSXs. This source code is found in the directory \lsx\src\common. There is a bug in the common source code in the 3.x releases of the Toolkit, which may cause the LotusScript host application (Notes or Domino) to crash on exit if an affected LSX was loaded during the session.

The LSX Wizard supplied with the Toolkit may experience this problem when run on Domino/Notes 6. The LSX Wizard must be run on Lotus Domino/Notes R5.x. To fix your LSX you must:

1) Modify the common source code. Go to the LSX Toolkit website (www.lotus.com/lsxtoolkit), and download the modified source code, replacing \lsx\src\common\lsxcomm.cpp.
2) Recompile your LSX.
3) Redeploy your LSX.

This issue will be addressed in a future release of the LSX Toolkit. Support for Notes/Domino 6 will also be added in a future release; currently, no dates have been set for future releases.

Please note that the LSX Toolkit 3.1 was released long before any version of the current release was available, and there has been no official testing of the LSX Toolkit with Notes/Domino 6.

Administrator Client, Server

ADSync will not work/become active with a node installation
ADSync will not work with a node installation, as in the following scenario:

If you perform a Node Install of Notes on Windows 2000/NT, register the ADSYNC.dll on the server, then attempt to register a user through Active Directory Users and Computers, you will be unable to do so; the "Notes" option does not work. There is currently no workaround to this issue.

Server

Busytime db in clustered configurations must be manually removed
We recently found an issue with properly saving enhanced busytime data in Notes 6. Normally SchedMgr detects that the busytime dB is 'old' and rebuilds it; however, in a clustered environment it does not always work as well as we would like. Due to the window in cluster replication, it is possible for SchedMgr to not remove 100% of the bad data from the busytime dB. As such, it can get replicated back in from a clustermate.

If you are upgrading any Domino 6 server from a release prior to the current release of Domino 6, then you must do the following or risk having your Domino 6 server crash on you whenever the busytime data is accessed. Once you have upgraded your server installation, you must follow these steps to prevent bad data from crashing your Domino 6 server:

1. Stop SchedMgr on all servers in the cluster (DO NOT stop the servers, just SchedMgr) using the "tell sched quit" console command.
2. Remove "clubusy.nsf" from all clustermates; even non-Domino 6 servers.
3. Restart SchedMgr on the servers using the "load sched" console command.

You may remove the "clubusy.nsf" file from the upgraded server without first having to restart the server and SchedMgr as part of your upgrade process. However, you should not restart your upgraded server until step #2 above has been completed.

To prevent seemingly random or unusual crashes of the server:
- DO NOT keep any "bad.clubusy.nsf" dBs laying around any of your servers or cluster replication will see them and propagate the bogus data to clustermates, and eventually back into your real busytime dB.
- DO NOT keep any Domino 6 servers in the cluster that are NOT upgraded to this release or later. They generate data in the incorrect format and can cause your Domino 6 server to crash.

The need to manually purge "clubusy.nsf" is only necessary when upgrading from any previous build of the Domino 6 server. If you are upgrading from R4 or R5 directly to Domino 6, then you do **not** need to do these steps.

---

**Server Configuring Partition Servers using HTTP and TCP/IP port mapping**

To configure partition servers using HTTP and TCP/IP port mapping, use the following scenario as an example:

Two Domino servers, WebServer1 and WebServer2, and the web browser used, are all on the same physical box, sharing the same IP address. WebServer1.iris.com is the physical server, with an IP address of 9.95.69.201.

1. Modify WebServer1’s server record:
   - Select Ports tab>>>Internet Ports>>>Web TCP/IP Port Number =80
   - Select Internet Protocols tab>>>HTTP>>>Hostname=WebServer1/OU/smoke
   - DNS Lookup cache: =disabled

2. Modify WebServer2’s server record:
   - Select Ports tab>>>Internet Ports>>>Web TCP/IP Port Number =81
   - Select Internet Protocols tab>>>HTTP>>>Hostname=WebServer2/OU/smoke
   - DNS Lookup cache: =disabled

3. Add these lines to WebServer1’s notes.ini:
   - TCPIP_TcpIpAddress=0,9.95.69.201:13520
   - TCPIP_PortMapping00=CN=WebServer2/OU=OU/O=smoke/C=US,9.95.69.201:13520

4. Add these lines to WebServer2’s notes.ini:
   - TCPIP_TcpIpAddress=0,9.95.69.201:13520

5. Modify C:\WinNT\system32\drivers\etc\hosts:
   - 9.95.69.201 WebServer1.iris.com WebServer1
   - 9.95.69.201 WebServer1.iris.com WebServer2

6. Create 2 databases that are unique to each server and set the ACL for Anonymous access on each.

7. For WebServer1, from the web browser access the following url:

8. For WebServer2, you must add the HTTP TCP port previously assigned in the server record. From the web browser access the following url (notice the ":81" addition, referencing WebServer2’s HTTP port):
Server, Domino/Web Access

Use IP addresses ONLY configuring hostname for partition servers

Setting up partitioned servers using separate TCP/IP addresses

1. See the Domino Administration on-line help topic "LAN Configuration > Partitioned servers > Partitioned servers and the TCP/IP network"; to assign separate IP addresses to partitioned servers, use the notes.ini variable:

   TCP/IP_TcpIpAddress=0,ipaddress

2. To bind port 80 to each partitioned server’s HTTP process, as described in the on-line help, enable Bind to host name in the server document (Internet Protocols tab -> HTTP tab) for each server (DO NOT use the DNS hostname for this field), add each server using only the numeric IP address in the host name field.

3. Using a browser, verify that each partitioned server can respond to requests on Port 80, after restarting your server.

Setting up multiple web sites (using the new Domino/Notes 6 web site document) or virtual web servers (using server documents) partitioned server

1. To assign ip addresses/hosts to bind to a specific http process, you must use only the numeric IP address(es) for each web server (DO NOT use the DNS hostname for this field) in the host name field of the server document separated by semicolons (If you separate them by commas, it will be saved with semicolons.) See the example below:

   9.95.66.236 is the partitioned server and 9.95.67.40 & 9.95.66.236 are both web sites (or virtual servers if not using web site documents).  (Note: you can have up to 32 entries in this field)

2. Create either Web Site Documents for the web site or virtual server documents to further define the HTTP configuration. There is a setting (Loads Internet Site Configuration Documents) in the Server Document on the first tab that must be checked to use only web site documents to define the web site.

3. Restart HTTP and you should now be able to send HTTP requests to the partitioned servers and all of the virtual servers or web sites for each partition.

Server

Prerequisite to installing plug-ins from WAS PTF 4.0.3

WebSphere Application Server Version 4.0.3 is a PTF. PTFs are NOT standalone; they must be installed over a full base release. To install WAS PTF 4.0.3 you must first have WAS 4.0.1 installed and then overlay with WAS 4.0.3 PTF.

Server

AIX - Concurrent I/O, Direct I/O not supported on Domino servers

Concurrent I/O (CIO) and Direct I/O (DIO) are not supported for use with Lotus Domino servers. CIO is a new file system feature that has been introduced in AIX 5.2.0.10 (also known as maintenance level 01), in the Enhanced Journaling File system (JFS2). The documentation for this feature states that it improves performance for many environments, particularly for relational databases.

Because the CIO feature is not supported for use with Domino servers, you should not enable this option on file systems that Domino will access. Having this option enabled has been reported to cause Domino data corruption that may result in server crashes, or in serious performance issues.
Certain core file system items (such as file buffer cache, per-file lock or inode lock, and sync daemon) are managed differently by the operating system with the CIO option enabled. Currently, Domino has not been coded to address these changes in behavior.

The CIO option is normally enabled as a flag, given when a file system is mounted. To disable this mount option, use the following steps:
1. For each file system that is mounted with CIO, run the following command:
   \[\text{chfs -a options=\texttt{rw} /FS\_NAME}\]
   Where /FS\_NAME is the name of the mount point.
2. Next, unmount and remount each file system. Or, you can reboot, which has the same effect if done after the chfs commands.
3. To verify the change was applied, run `mount` and make sure you do not see "cio" in the mount options column, as shown in the example below.

\textbf{Example}

output with CIO disabled:
\[
\text{/dev/test05lv /test05 jfs2 Oct 04 23:13 rw,log=INLINE}
\]

output with CIO enabled:
\[
\text{/dev/test03lv /test03 jfs2 Sep 19 19:25 rw,cio,log=INLINE}
\]

\textbf{NOTE:} DIO poses the same problems to Domino as CIO does. Evaluation for including support for CIO and DIO will be considered for a future release, based on customer demand.

For additional information on the CIO feature, refer to the AIX whitepaper "Improving Database Performance With AIX Concurrent I/O" at \url{http://www-1.ibm.com/servers/aix/whitepapers/db_perf_aix.pdf}

Administrator Client, Server

\textbf{Downgrading from Domino 6.5.1 to an earlier Domino release}

To downgrade from IBM Lotus Domino 6.5.1 to a previous release of Domino, you must first completely uninstall Domino 6.5.1 and then install the older release of Domino. If you attempt to install Domino 6.5 or earlier release over Domino 6.5.1, some components do not install properly. The exact components that do not install correctly varies according to the release of the software you are installing. This installation problem occurs because the files that comprise Domino 6.5.1 have been assigned file version numbers, while the files that comprise previous releases of Domino do not have file version numbers. Files that have not been assigned version numbers can not overwrite files that do have a version number assigned to them.

\textbf{Domino Access for Outlook}

\textbf{Installing Domino Access for Microsoft Outlook}

IBM Lotus Domino Access for Microsoft Outlook (DAMO) allows Microsoft Outlook 2000, Outlook XP, or Outlook 2003 users to connect to an IBM Lotus Domino Server running Domino 6.5.1 or higher. If you are upgrading from an earlier Beta version, please refer to the "Upgrade Instructions" before installing.

For information on migrating users from Exchange to Domino, see the release note "Migrating from Exchange to Domino."

\textbf{Upgrading from 6.5.3 to 6.5.4}

Users can upgrade from Domino Access for Microsoft Outlook 6.5.3 to release 6.5.4. However, if they do so, the upgrade will continue to use a single data directory that allows multiple users to have profiles sharing that directory. To take advantage of the Multi-User Installation capabilities of DAMO 6.5.4, in which each user can have his or her own data directory, users must first uninstall DAMO 6.5.3, and then install DAMO 6.5.4. Before doing this, users may want to back up the existing *.nsf, *.pst and *.ost. files as a precaution. The initialization process of the new installation will recreate the mail files locally.
During the upgrade users will be asked if they want to create a profile at the end of the upgrade process. If they choose No, they can create new profiles at anytime in the future by choosing "Create New MAPI Profile" from the Start - Programs - IBM Lotus Domino Access for Microsoft Outlook shortcut. **Note:** Users cannot create a DAMO profile using the Outlook Setup Wizard. They must use the "Create New MAPI Profile" shortcut on the start menu.

### Setting up Condensed Directories for Offline

New in Domino 6.5.4, Domino Access for Microsoft Outlook users can create a local replica of an address book to use when working offline, disconnected from the network. Using Domino Preferences in Microsoft Outlook, users can select an address book to take offline. It is strongly recommended that a condensed directory catalog is available for users to conserve space and improve the time it takes to replicate. For information about creating condensed directory catalogs, see the Domino Administration help topics on creating Directory Catalogs.

### Keeping Your Mail File Secure

With the release of Domino for Microsoft Outlook 6.5.4, there is a new capability that allows for multiple users to share the same Domino Access for Microsoft Outlook installation. This type of installation, however, allows access to other users’ .pst files because the .pst and .nsf files are local. Typically, in both a standard Notes environment and a standard Outlook environment, the mail file is on the server and the server controls access. And, if a user travels, typically he or she is the only user that has access to the laptop containing the local replica. But since DAMO requires all files to be on the local workstation, you need to protect your local mail data file (*.pst) from others by assigning a password to your local data mail file.

Microsoft Outlook 2000, Outlook XP, and Outlook 2003 each have a different method of assigning a password to the local data file. Please see the on-line help for your release of Outlook.

### DAMO 6.5.4 Installation Notes for Administrators

Before running the setup.exe that installs Domino Access for Microsoft Outlook, the user must be a registered Domino user and have the notes.id file available. Also, users need to know their user name as defined in the Domino directory and the IP address of their mail server.

Administrators can install Domino Access for Microsoft Outlook without end user involvement or end users can install it on their workstations. If end users are doing their own installs, you should distribute the "End User Installation" procedure below to end users, along with the sections on differences, known problems and migration issues. This information is also available to users in the "Lotus Domino Access for Microsoft Outlook Installation and Setup Guide" on www.Lotus.com/ldd/doc.

Although this product is for Microsoft Outlook users connected to Domino, access through any client connected to Domino is also available. Users can be configured using the standard administration tools provided with Domino, as long as the mail database design is Mail6.ntf, Mail6ex.ntf or iNotes6.ntf. Mail files that use the Domino for Web Access 6 (iNotes6.ntf) template can connect to their mail file on the Domino server using a browser, Domino Access For Microsoft Outlook, or a Notes client.

### Administrator Installation

If you are installing Domino Access for Microsoft Outlook on a workstation for an end user(s), you must be aware that Windows security is in play so that it is necessary to create the DAMO user’s profile using the identity of that user. Creating a profile in any other way will hide that profile from the intended user.

There are two ways to create the users’ profiles:

- The simplest method of creating user profiles is to log on to the Windows workstation as the intended DAMO user. In this way, using the steps below, there is the ability to create the data directory in the user's private folder (for example, c:\Documents and Settings\<user>).

- An alternative method is to use the Windows RunAs functionality where a Windows Administrator can assume the identity of each user to create a DAMO profile.

**Note:** For a multi-user install, each registered user on the workstation must be a member of the Power Users group to be able to select their profile when DAMO starts.
Silent Install

The Silent Install option installs Domino Access for Microsoft Outlook and creates a profile without end user involvement. This process uses the inherent InstallShield capabilities that calls a setup file containing the user’s connection information to the Domino server.

For example, to set up Domino Access for Microsoft Outlook for multiple users on one workstation, the administrator can run Silent Install and assume the users’ logon rights with the RunAs capability for each user.

There is one setup file for each user. The setup file is a text file that contains the following connection information:

-\u <User Name> -s <Server IP address> -f <Full path to ID file> -p <id file Password>

For example:
-\u Homer Simpson -s 1.11.11.111 -f c:\lotus\notes\data\homer.id -p 123456

The DAMO setup executable is called using the following syntax:

setup.exe /s /v"/qn SETUPFILE=<complete path to setup file>"

For example:

setup.exe /s /v"/qn SETUPFILE=c:\user\info.txt"

**Note:** The syntax must be exact. Notice that after /v there is no space before the quote. Also, there is a closing quote at the end of the line.

Using RunAs on Windows XP

**Option 1 - Using the Install Wizard**

1. As the Windows Administrator, run setup choosing the desired options, including either the Single User or the Multi-User install options.
2. Choose to not create a profile.
3. Click Start - Programs - IBM Lotus Domino Access for Microsoft Outlook, and then right click on "Create New MAPI Profile."
4. Choose "Run As..."
5. In the Run As dialog, select "The following user:"
6. Enter the user’s domain, user name, and password.
7. Enter the connection information as described in "Create a User Profile for DAMO."

**Option 2 - Using the Silent Install**

1. Open a DOS window (cmd.exe) by clicking Start - Programs - Accessories, and then right-click Command Prompt.
2. Choose Run As ...
3. In the Run As dialog, select "The following user:"
4. Enter the user’s domain, user name, and password.
5. At the DOS prompt, enter the setup syntax as described in the "Silent Install"section above.

Using RunAs on Windows 2000

**Option 1 - Using the Install Wizard**

1. As the Windows Administrator, run setup choosing the desired options, including either the Single User or the Multi-User install options.
2. Choose to not create a profile.
3. Open a command prompt (Start - Programs - Accessories - Command Prompt)
4. Change to the program directory for Domino Access for Microsoft Outlook.
5. Run the executable file, dfosetup.exe, as the intended DAMO user using the following syntax:
   c:\> RunAs /USER:"WinDomain\<DAMO User>" dfosetup.exe
6. Create the profile using the connection information described in "Create a User Profile for DAMO" below.

**Option 2 - Using the Silent Install**

1. Open a DOS window (cmd.exe) by clicking Start - Programs - Accessories - Command Prompt.
2. Use the RunAs command to open another DOS window so that anything run in that window will be run with rights of the user who opened that DOS window.
   C:\> RunAs /USER:"WinDomain\<DAMO User>" cmd.exe
3. From that new window run the install as that user:
   setup.exe /s /v"/qn SETUPFILE=<complete path to setup file>"

4. Although it is more complicated, the RunAs command can be used without the need to open a new DOS window. Use the following syntax, which is a combination of the Windows RunAs syntax (RunAs /?) and the Silent Install capability. **Note:** Because of the possible need for nested quotes, you may need to use an escape character (\) if spaces are involved.
   C:\> RunAs /USER:"WinDomain\<DAMO User>" <path to DAMO setup.exe> /s /v" /qn SETUPFILE=<path to setup file>"

   i.e.:
   C:\> RunAs /USER:"ADomain\Homer Simpson" "C:\Temp\setup.exe> /s /v" /qn SETUPFILE=C:\User\info.txt"

**Outlook 2000 Users**

If you configured Outlook for Internet Only support, you must reconfigure Outlook for Corporate or Workgroup. To reconfigure Outlook run Outlook and select the menu Options --> Mail Services and select "Reconfigure Mail Support." You may be required to supply your Microsoft Office install CD for this operation.

**End User Installation**

To install Domino Access For Microsoft Outlook (DAMO), you need to know the following:

- Your Notes user name (such as jsmith)
- The IP address of your mail server
- The location of your Notes ID

During installation, you choose whether to do a single user or a multi-user install on a workstation. **Note:** For a multi-user install, each person who uses the workstation must be a member of the Power Users group to be able to select their profile when DAMO starts. Only if you have administrative rights to the Windows workstation will you have the option to choose Single or Multi-User installations. If you are not a member of the Windows administrator group, you will not get the option to choose Single or Multi-User Install. The Installation will be a Single User Install.

- Single User Install -- Choose this option if you are the only one who uses the workstation. In single user installs, the program and data files are in the same directory.
- Multi-User Install -- Choose the Multi-User Install option if more than one person uses the workstation. Multi-user installs allow the creation of data directories specific to each user, thereby providing some security for each.

**Note:** You must Configure Outlook using the steps below or Domino Access for Microsoft Outlook will not install properly.

**Configure Microsoft Outlook**

1. Set Microsoft Outlook as the default mail program. For example, open the Control Panel and choose Internet Options. Select the Programs Tab - E-mail Option, and then select Microsoft Outlook. (This path may vary slightly depending on which Windows OS you are using and how you have your system set up.)

2. If this is a new installation of Microsoft Outlook for this user, launch the client as this user to complete the installation process of Microsoft Outlook.
   a. Start - Microsoft Outlook shortcut
   b. Accept the user name
   c. Outlook 2k - Choose "Manually configure..." Make no more selections and click Finish
   d. Outlook XP (2002) and Outlook 2003 - To the question "Would you like to configure an E-mail account?", choose No. Click Finish.

3. While Outlook is open, select Tools • Options • Mail Services and select the option "Prompt for a profile to be used."

**Install DAMO**

1. Execute the Setup Program.

2. Choose whether to install Domino Access for Microsoft Outlook for a single user (only one mail box is created) or multiple users (each user will have their own mail box). Only if you are the Windows administrator will you see these choices.

3. (Optional) Select Single Logon Feature to synchronize your Notes ID password with your Windows password. When passwords are synchronized, you can change either password and the change will be made to both passwords.

4. After the installation process is complete, you now need to create a DAMO profile. See Create a User Profile for DAMO below.
Create a User Profile for DAMO
You cannot create a DAMO profile using the Outlook Setup Wizard. You must use the "Create New MAPI Profile" shortcut on the start menu.

1. From the Start menu, choose Start - Programs - IBM Lotus Domino Access for Microsoft Outlook - Create New MAPI Profile.
2. For "Your Name," enter your Domino common user name. For example, jsmith not jsmith/sales/acme.
3. For "Domino server name," enter the name or the IP address of your mail server.
4. If you installed multi-user version, and you want your Data directory to be in a different directory than your program files, enter a path for your mail files in the "Data Directory" field. For example, c:\Documents and Setting\jsmith\DAMOData or c:\DAMO \jsmith. Tip: You can use Windows folder security settings, to protect these folders as necessary.
5. If DAMO does not find your Notes ID in your Person Document on the Domino server, you may be prompted for one. Type the path or Browse to locate your Notes ID.
6. (Optional) Copy your Notes ID file to your data directory. (It is always good to have a backup copy of your ID file.)
7. Your DAMO profile will be created.

For information regarding the differences between using Notes and Microsoft Outlook, and known issues, see these related release notes:
- Domino Access for Microsoft Outlook issues
- Recurring meetings

See also the topic "Working with Domino Access for Microsoft Outlook" in the Domino Access for Microsoft Outlook help.

Administrator Client, Domino Web Access
Installing Domino Web Access 6.5.3
Domino Web Access 6.5.3 includes many performance improvements to the JavaScript code that runs within the browser, to speed up the display of various screens. It also includes better support for detecting expired sessions and displaying a new prompt for users to login again. These enhancements are included in the iNotes6.ntf template for 6.5.3. When upgrading users, convert existing INOTES5.NTF and INOTES60.NTF users to INOTES6.NTF using the mail conversion utility.

Note INOTES5.NTF and INOTES6.NTF are supported on the 6.5 server. INOTES6.NTF is our latest, feature rich template that gives the user the Mail6 user interface from the Notes client. The user visible name has changed to Domino Web Access 6. INOTES5.NTF gives the user the Mail5 user interface from the Notes client.

This example shows how to upgrade all INOTES5 mail databases in a directory:

load convert mail\*.nsf inotes5 iNotes6.ntf

This example shows how to upgrade all INOTES60 mail databases in a directory:

load convert mail\*.nsf iNotes60 iNotes6.ntf

Note If you execute a convert while the server is running and someone accesses a mail file while their mail file design is being updated, unpredictable results may occur.

Administrator Client, Client, Designer
Scriptable Client Setup and Instant Messaging variables
As of Notes 6.5, there is a new IM Setup dialog that allows users to configure Instant Messaging for use within their Notes Client. This dialog will display during a new Client Setup as well as upon launching their Client after upgrading to the latest release.

For added convenience, there are new variables available for use via the Scriptable Client Setup feature (for more information on this feature, please reference the Domino Administrator 6 help).
Here’s a list of new variables that can be included in a Script to configure a user for Instant Messaging:

<table>
<thead>
<tr>
<th>Instant Messaging Setup</th>
</tr>
</thead>
<tbody>
<tr>
<td>IM.Server</td>
</tr>
<tr>
<td>IM.Port</td>
</tr>
<tr>
<td>IM.ConnectWhen</td>
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<td></td>
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<td></td>
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<tr>
<td>IM.Protocol</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td>IM.ProxyType</td>
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ARCHIVE LOCATIONS Where to find newer versions of this software.
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Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
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wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.
If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
=========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpega" and "djpega", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

WARNING: Unisys has begun to enforce their patent on LZW compression against GIF encoders and decoders. You will need a license from Unisys to use the included rdgif.c or wrgif.c files in a commercial or shareware application. At this time, Unisys is not enforcing their patent against freeware, so distribution of this package remains legal. However, we intend to remove GIF support from the IJG package as soon as a suitable replacement format becomes reasonably popular.

We are required to state that "The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

REFERENCES
==============

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is


(Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp.uu.net, graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson, published by M&T Books (Redwood City, CA), 1991, ISBN 1-55851-216-0. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The JPEG standard itself is not available electronically; you must order a paper copy through ISO. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it’s much cheaper and includes a great deal of useful explanatory material.) In the US, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn’t take credit card orders, but Global does.) It’s not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document number ISO/IEC IS 10918-1. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document number ISO/IEC IS 10918-2.

Extensions to the original JPEG standard are defined in Part 3, a new ISO document. Part 3 is undergoing ISO balloting and is expected to be approved by the end of 1995. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C.Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available at ftp.uu.net, file graphics/jpeg/jfif.ps.gz. It can also be obtained by e-mail from the C-Cube mail server, netlib@c3.pla.ca.us. Send the message "send jfif_ps from jpeg" to the server to obtain the JFIF document; send the message "help" if you have trouble.

The TIFF 6.0 file format specification can be obtained by FTP from sgi.com (192.48.153.1), file graphics/tiff/TIFF6.ps.Z; or you can order a printed copy from Aldus Corp. at (206) 628-6593. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from sgi.com or from ftp.uu.net:/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note’s design. Although IJG’s own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from sgi.com:/graphics/tiff/.

ARCHIVE LOCATIONS
====================

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as graphics/jpeg/jpegsrc.v6.tar.gz. If you are on the Internet, you can retrieve files from ftp.uu.net by standard anonymous FTP. If you don’t have FTP access, UUNET’s archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files; in particular, you can probably find a copy at any site that archives comp.sources.misc submissions. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp.coast.net:/SimTel/msdos/graphics/), or on CompuServe in the GRAPHSUPPORT forum (GO GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics, news.answers, and other groups. You can always obtain the latest version from the news.answers archive at rtfm.mit.edu. By FTP, fetch /pub/usenet/news.answers/jpeg-faq/part1 and .../part2. If you don’t have FTP, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2
RELATED SOFTWARE
====================

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer’s free PBMPLUS image software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats. You can obtain this package by FTP from ftp.x.org (contrib/pbmplus*.tar.Z) or ftp.ee.lbl.gov (pbmplus*.tar.Z). There is also a newer update of this package called NETPBM, available from wuarchive.wustl.edu under directory /graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from havefun.stanford.edu in directory pub/jpeg. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not.

FILE FORMAT WARS
===================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors “filled in the blanks” on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or “low end” representation.

We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for “high end” applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
======

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions — principally, variable quantization and the SPIFF file format.

Tuning the software for better behavior at low quality/high compression settings is also of interest. The current method for scaling the quantization tables is known not to be very good at low Q values.

As always, speeding things up is high on our priority list.
Net-SNMP software information

Various copyrights apply to this package, listed in 3 separate parts below. Please make sure that you read all the parts. Up until 2001, the project was based at UC Davis, and the first part covers all code written during this time. From 2001 onwards, the project has been based at SourceForge, and Networks Associates Technology, Inc. hold the copyright on behalf of the wider Net-SNMP community, covering all derivative work done since then. An additional copyright section has been added as Part 3 below also under a BSD license for the work contributed by Cambridge Broadband Ltd. to the project since 2001.

Code has been contributed to this project by many people over the years it has been in development, and a full list of contributors can be found in the README file under the THANKS section.

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The Domino 6 S/MIME implementation uses the S/MIME Freeware Library. The Public License is listed below.

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29 March 2002

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For further information, contact:
John.Pawling@GetronicsGov.com, Getronics Government Solutions
David Dalkowski, dadalko@missi.ncsc.mil, Department of Defense/V32
Administrator Client, Client, Designer, Server, Domino Web Access

**zlib software information**

zlib.h -- interface of the 'zlib' general purpose compression library

version 1.1.4, March 11th, 2002

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Jean-loup Gailly jloup@gzip.org
Mark Adler madler@alumni.caltech.edu

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**Platforms and requirements**

Administrator Client, Client, Designer, Server

**Notes and Domino 6.5.4 platforms and system requirements**

The supported platforms and operating systems listed in the table below are applicable to the Notes/Domino 6.5.4 release, and may not necessarily pertain to other Notes/Domino releases.

For Domino Web Access system requirements, please refer to the release note titled "Domino Web Access system requirements".

Operating system patches, service packs, and other updates are not specified in the tables that follow. Note that operating system vendors frequently release updates. For the most recent information regarding updates, see the Lotus Knowledge Base online at http://www-3.ibm.com/software/lotus/support/ or contact your local Lotus Support representative.

**Notes Client**

<table>
<thead>
<tr>
<th>Platform</th>
<th>Windows 95/98</th>
<th>Windows 2000/Windows XP</th>
<th>Macintosh</th>
<th>Windows NT</th>
</tr>
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<tbody>
<tr>
<td>Supported operating system versions</td>
<td>Windows 95 (2nd edition installer minimum); Windows 98</td>
<td>Windows 2000 Professional; Windows XP Professional</td>
<td>Macintosh OS 10.1.x; Macintosh OS 10.2.x; Macintosh OS 10.3.x</td>
<td>Windows NT4 Workstation (see the &quot;Windows service pack requirements&quot; Release Note for Service Pack information)</td>
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<td>Intel Pentium</td>
<td>Intel Pentium</td>
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<td>128 MB minimum</td>
<td>128 MB minimum</td>
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</tr>
<tr>
<td></td>
<td>128 MB or more recommended</td>
<td>256 MB or more recommended</td>
<td>256 MB or more recommended</td>
<td>128 MB or more recommended</td>
</tr>
</tbody>
</table>
Notes Client (cont’d)

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<tr>
<th>Platform</th>
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<th>Windows 2000/Windows XP</th>
<th>Macintosh</th>
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<td>(OS 10) 250 MB required</td>
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<td>(The minimum amounts are the disk space required for installing default files. More disk space is required if databases are replicated locally or copied locally)</td>
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<td></td>
</tr>
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<td>Yes (Windows 2000) No NetBEUI (Windows XP)</td>
<td>No</td>
<td>Yes</td>
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<td>NetBIOS over IP(2)</td>
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<td>Yes</td>
<td>No</td>
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<tr>
<td>NetBIOS over IPX</td>
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<td>Yes (3)</td>
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<tr>
<td>SPX</td>
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<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>SPX II</td>
<td>No</td>
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<tr>
<td>TCP/IP</td>
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<td>Yes</td>
<td>Yes</td>
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</tr>
<tr>
<td>X.PC</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Citrix support information
The Notes Client is supported on Citrix Metaframe XPe FR2 and FR3 on Windows 2000 Advanced server and Windows 2003 Enterprise Edition server using NT and MAC ICA clients. For additional information, please see the “Citrix support statement” release note in this chapter.

Domino Administrator Client

<table>
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<tr>
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<tbody>
<tr>
<td>Supported operating system versions</td>
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<td>Windows NT4 Workstation (see the “Windows service pack requirements” Release Note for Service Pack information)</td>
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<td>Processors supported</td>
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<tr>
<td>RAM</td>
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### Domino Administrator Client (cont'd)

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<tr>
<td>Monitors supported</td>
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</tr>
<tr>
<td>Protocols supported</td>
<td></td>
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<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>NetBIOS over IP(^2)</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
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<td>NetBIOS over IPX</td>
<td>Yes(^3)</td>
<td>Yes(^3)</td>
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</tr>
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<td>No</td>
<td>Yes(^4)</td>
</tr>
<tr>
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### Domino Designer

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<th>Windows NT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supported operating system versions</td>
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<td>Windows 2000 Professional; Windows XP Professional</td>
<td>Windows NT4 Workstation</td>
</tr>
<tr>
<td>Processors supported</td>
<td>Intel Pentium</td>
<td>Intel Pentium</td>
<td>Intel Pentium</td>
</tr>
<tr>
<td>RAM</td>
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<td>128 MB minimum</td>
<td>64 MB minimum</td>
</tr>
<tr>
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<td>Disk space</td>
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<tr>
<td>(The minimum amounts are the disk space required for installing default files. More disk space is required if databases are replicated locally or copied locally)</td>
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Domino Designer (cont'd)

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</thead>
<tbody>
<tr>
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<td>NetBIOS over IP(^{2})</td>
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<tr>
<td>NetBIOS over IPX(^{3})</td>
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<tr>
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<tr>
<td>TCP/IP</td>
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</tr>
<tr>
<td>X.PC</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Footnotes

\(^{1}\) Only Microsoft NetBEUI is supported.
\(^{2}\) Only Microsoft TCP/IP is supported.
\(^{3}\) Both Novell NetBIOS and Microsoft NetBIOS over IPX are supported.
\(^{4}\) Using Microsoft's NWLink IPX/SPX stack.

Domino Server - Table 1

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Processors supported</td>
<td>Intel Pentium</td>
<td>Intel Pentium</td>
<td>Intel Pentium</td>
</tr>
<tr>
<td>RAM</td>
<td>128 MB minimum 192 MB or more recommended</td>
<td>128 MB minimum 192 MB or more recommended</td>
<td>256 MB minimum</td>
</tr>
<tr>
<td>Disk space</td>
<td>1 GB minimum 1.5 GB or more recommended</td>
<td>1 GB minimum 1.5 GB or more recommended</td>
<td>1 GB minimum 1.5 GB or more recommended</td>
</tr>
<tr>
<td>Disk swap space</td>
<td>2 times the physical RAM installed</td>
<td>2 times the physical RAM installed</td>
<td>2 times the physical RAM installed</td>
</tr>
<tr>
<td>Monitors supported</td>
<td>Color monitor required</td>
<td>Color monitor required</td>
<td>Color monitor required</td>
</tr>
</tbody>
</table>
### Domino Server - Table 1 (cont'd)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Protocols supported</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NetBEUI/NetBIOS(2)</td>
<td>Yes</td>
<td>Yes</td>
<td>No (NetBEUI)</td>
</tr>
<tr>
<td>NetBIOS over IP(3)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>NetBIOS over IPX</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SPX(4)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SPX II</td>
<td>Yes(5)</td>
<td>Yes(5)</td>
<td>Yes(5)</td>
</tr>
<tr>
<td>TCP/IP</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>X:PC</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Domino Server - Table 2

<table>
<thead>
<tr>
<th>Platform</th>
<th>AIX</th>
<th>Linux</th>
<th>Solaris</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supported operating system versions</td>
<td>AIX 5.1; AIX 5.2; AIX 5.3</td>
<td>Red Hat Enterprise Linux 2.1; Red Hat Enterprise Linux 3.0; SUSE LINUX Enterprise Server (SLES) 8.0; UnitedLinux 1.0; Powered by UnitedLinux 1.0</td>
<td>Solaris 8; Solaris 9 (see &quot;Solaris patch requirements&quot; Release Note for patch information)</td>
</tr>
<tr>
<td>Processors supported</td>
<td>PowerPC, POWER, POWER2, POWER3 RS64, POWER5</td>
<td>Intel x86</td>
<td>UltraSPARC and newer</td>
</tr>
<tr>
<td>RAM</td>
<td>192 MB minimum; 256 MB or more recommended</td>
<td>128 MB minimum; 192 MB or more recommended</td>
<td>192 MB minimum 256 MB or more recommended</td>
</tr>
<tr>
<td>Disk space</td>
<td>1 GB minimum 1.5 GB or more recommended</td>
<td>1 GB minimum 1.5 GB or more recommended</td>
<td>1 GB minimum 1.5 GB or more recommended</td>
</tr>
<tr>
<td>Disk swap space</td>
<td>3 times the physical RAM installed</td>
<td>3 times the physical RAM installed</td>
<td>3 times the physical RAM recommended</td>
</tr>
<tr>
<td>Monitors supported</td>
<td>Color monitor required</td>
<td>Color monitor required</td>
<td>Color monitor required</td>
</tr>
</tbody>
</table>
### Domino Server - Table 2 (cont’d)

<table>
<thead>
<tr>
<th>Platform</th>
<th>AIX</th>
<th>Linux</th>
<th>Solaris</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Protocols supported</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NetBEUI/NetBIOS(2)</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
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<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
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<td>No</td>
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<td>No</td>
</tr>
<tr>
<td>SPX(4)</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SPX II</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>TCP/IP</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>X.PC</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Domino Server - Table 3

<table>
<thead>
<tr>
<th>Platform</th>
<th>iSeries</th>
<th>z/OS</th>
<th>Linux on zSeries</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supported operating system versions</strong></td>
<td>OS/400 Version 5 Release 1; OS/400 Version 5 Release 2; IBM i5/OS Version 5 Release 3 (see the &quot;Domino for iSeries&quot; chapter of these Release Notes for more information)</td>
<td>z/OS Version 1, Release 4 or later or z/OS Version 1, Release 3 or later (see the &quot;Domino for z/OS&quot; chapter of these Release Notes for more information)</td>
<td>SUSE LINUX Enterprise Server 8 for IBM S/390 (31-bit) (see the &quot;Domino for Linux on zSeries service pack requirements&quot; Release Note for service pack information)</td>
</tr>
<tr>
<td><strong>Processors supported</strong></td>
<td>PowerPC (RISC)</td>
<td>Any that supports your release level of z/OS</td>
<td>S/390 G5/G6; zSeries (z800, z900, z990)</td>
</tr>
<tr>
<td><strong>RAM</strong></td>
<td>288 MB minimum; 512 MB or more recommended</td>
<td>1 GB minimum; 2 GB or more recommended</td>
<td>1 GB minimum 2 GB or more recommended</td>
</tr>
<tr>
<td><strong>Disk space</strong></td>
<td>1 GB minimum 1.5 GB or more recommended</td>
<td>3 3390-3 volumes minimum</td>
<td>2.5 GB minimum 2.5 GB or more recommended</td>
</tr>
<tr>
<td><strong>Disk swap space</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>1 GB minimum (see the &quot;Domino for Linux on zSeries configuration&quot; Release Note for more information)</td>
</tr>
<tr>
<td><strong>Monitors supported</strong></td>
<td>Color monitor required</td>
<td>Color monitor required</td>
<td>Color monitor required</td>
</tr>
</tbody>
</table>
### Domino Server - Table 3 (cont’d)

<table>
<thead>
<tr>
<th>Platform</th>
<th>iSeries</th>
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<td>No</td>
<td>No</td>
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<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SPX(4)</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SPX II</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<td>TCP/IP</td>
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<td>Yes</td>
</tr>
<tr>
<td>X:PC</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Footnotes

1. Do not install a Domino server on a Domain Controller. The processing of NT domain logons by Domain Controllers can consume large amounts of processing resources, especially for larger domains, and thus can affect Domino server performance. If the Domino server is to be within an NT domain, the server should be a member server within the domain.

2. Only Microsoft NetBEUI is supported.

3. Only Microsoft TCP/IP is supported.

4. Domino clusters and partitioned server configurations do not support the IPX/SPX protocol. At this time, Lotus does not plan to provide IPX/SPX network support for future releases of these features.

5. Using Microsoft's NWLink IPX/SPX stack.

6. There is a conflict between the Domino NSD diagnostic utility and Windows Server clustering technology; Domino is not supported on Windows Server clustering.

---

### Administrator Client, Domino Web Access

**Domino Web Access system requirements**

**Client Requirements**

- **Recommended for better performance** -- Pentium IV 1 GHZ with 512 MB of memory (Windows and Linux clients)
- **Minimum** -- Pentium III 400 MHZ with 128 MB of memory (Windows client); Pentium III 500 MHZ with 192 MB of memory (Linux client)

**Client Operating Systems -- Windows**

- Windows 95 and 98
- Windows NT 4.0
- Windows 2000
- Windows XP Professional

**Client Operating Systems -- Mozilla**

- Red Hat 7.2
- Red Hat 8.0
- NOVELL SUSE Linux SLD8
Supported Browsers
- Win32 Internet Explorer 5.5 and 6.0
- Mozilla 1.3.1
- Mozilla 1.4.1 and 1.7.x (Linux clients only)

Attempting to access Domino Web Access through unsupported browsers results in the display of an unsupported browser notice. Netscape 4.x users may see hangs and/or crashes when encountering the Domino Web Access unsupported browser page. If you are a Netscape 4.x user and you encounter these problems, you should open your mail file using the WebMail UI directly through the &ui=webmail switch (see “Switching from Using Domino Web Access to WebMail” in these Release Notes).

Note: Domino Web Access will not work if JavaScript is disabled or if cookies are disabled. In Internet Explorer, Domino Web Access will not work if the Advanced - Security property "Do not save encrypted pages to disk" is checked.

Server Requirements
See “Notes and Domino 6.5.4 platforms and system requirements” in the Release Notes for a complete list of server operating systems and requirements.

Certified Proxy Servers
- iPlanet Portal Server 3.0 SP3 HP3
- IBM WebSphere Edge Server 2.0.1 efix 35
- Tivoli Access Manager 4.1

Adobe Acrobat
Adobe Acrobat Reader, Version 4.0 or higher is needed to print calendars.

Windows platforms supported

Notes client
Starting with Notes/Domino 6.5, the following are supported platforms for the Notes client:
- Windows 95¹
- Windows 98
- Windows 2000 Professional
- Windows NT 4.0 Workstation (Intel Pentium only)
- Windows XP Professional

Domino Designer, and Domino Administrator clients
Starting with Notes/Domino 6.5, the following are supported platforms for the Domino Designer, and Domino Administrator clients:
- Windows 98
- Windows 2000 Professional
- Windows NT 4.0 Workstation (Intel Pentium only)
- Windows XP Professional

Domino Server
Starting with Domino 6.5, the following are supported platforms for the Domino server:
- Windows 2000 Server and Advanced Server²
- Windows NT 4.0 Server (Intel Pentium only)

¹ Windows 95 requires 2nd edition installer minimum
² There is a conflict between the Domino NSD diagnostic utility and Windows Server clustering technology; Domino is not supported on Windows Server clustering.
Administrator Client, Client, Designer, Server

**Windows service pack requirements**

Notes/Domino 6.5 is initially supported on Windows platforms with the application of the Service Packs listed below. Although individual operating system patches and Service Packs are not certified, IBM/Lotus realizes that there are later service packs that may become publicly available after testing, and acknowledges that these more recent updates may fix additional problems. You may wish to apply these newer service packs as they become available.

You can obtain and install the following patches from Microsoft Corporation or download them from Microsoft's Web site:
http://www.microsoft.com/downloads

**Notes, Domino Designer, and Domino Administrator clients:**
- Windows 2000 Professional: Service Pack 3
- Windows NT 4.0 Workstation (Intel Pentium only): Service Pack 6a

**Domino Server**
- Windows NT 4.0 Server (Intel Pentium only): Service Pack 6a

Microsoft has acknowledged and addressed a network issue in Windows 2000 that can degrade the performance of both the mail router and the statistic collector in Notes/Domino 6, affecting the server, the Domino 6 Administrator, and Tivoli Analyzer. The problem is addressed in Windows 2000 SP3, and is strongly recommended for all Domino 6 Administrator and Server machines.

Administrator Client, Server

**Windows 2000 - Server monitoring requirements**

For Windows 2000, Lotus recommends using Service Pack 3 to avoid severe performance problems that occur during server monitoring.

Administrator Client, Client, Designer, Server

**Java support on Win32**

Java support has been upgraded to JRE 1.3.1 on Win32. Please see Sun's Java website for details on what features are included in JRE 1.3.1.

Client

**Macintosh PPC platforms supported**

Beginning with Notes/Domino 6.5, Mac OS versions 10.1.x, 10.2.x, and 10.3.x are supported platforms.

Client

**Macintosh performance advisory**

Customers who deploy Notes 6 on Macintosh may experience a slight degradation of performance when running on hardware prior to G4.

Administrator Client, Server

**AIX platforms supported**

Beginning with Domino 6.5, AIX 5.1 and 5.2 are supported platforms for the Domino server.

Beginning with Domino 6.5.3, AIX 5.3 is a supported platform for the Domino server.

**Note:** See "AIX - IOCP and patch requirements" in these release notes for any prerequisite patch information.
AIX - IOCP and patch requirements
Domino 6.5 requires that you enable IOCP on AIX systems; the earlier R5 release of Domino did not have that requirement. In addition, the following AIX patch levels are required:

AIX 5.1
xC.aix50.rte 5.0.2.0 COMMITTED C Set ++ Runtime for AIX 5.0
bos.iocp.rte 5.1.0.11 COMMITTED I/O Completion Ports API

5.1 APAR is IY22656. This will bring bos.iocp.rte to a level of 5.1.0.11.

AIX 5.2
ML1 patch broke fork/exec and patch PTF 486444 fixes it.

AIX 5.3
PTF IY58691*
PTF IY58143

* With PTF IY58691, also upgrade bos.net.nis.client to version 5.3.0.10 if NIS is installed on the system and NIS is not at this level (or higher) after this PTF is installed.

These patches are a prerequisite for Domino support.

Server
AIX - bos.iocp.rte 5.1.0.16 needed for 64-bit mode
On AIX 5L, bos.iocp.rte 5.1.0.16 is required to run Domino 6 in 64-bit mode.

Designer
AIX - Installing bos.adt.debug
On AIX versions 4.3.3 and higher, it is possible that bos.adt.debug will not be installed by default. If this package is not installed on your system, then you need to manually install it in order for the nsd program to work. This package, bos.adt.debug, contains the dbx program which is used by nsd to attach to the running processes and provide the stacks necessary for debugging problems with Domino.

Server
AIX - Java needs X11.adt.lib installed to run AWT
For Java to use the AWT ("Another Windowing Tool") on AIX, the X11.adt.lib package must be installed, otherwise libawt.a will not be able to be loaded by the OS, and Java will be unable to use the AWT.

Server
AIX - Java requires X11.fnt.ucs.ttf for Far Eastern locales
In order for Java to properly display Unicode glyphs for Far Eastern languages on AIX, it requires the installation of X11.fnt.ucs.ttf from the AIX installation CD's.

Administrator Client, Server
Solaris platforms supported
Starting with Domino 6.5, Solaris 8 and 9 are supported platforms for the Domino server.

Note: Domino 6.x only supports systems with UltraSPARC and newer processors.
Server

Solaris patch requirements
Starting with Domino 6, the Solaris patches below are required for correct operation of the Domino server. IBM/Lotus realizes that additional patches may become publicly available following our initial certification testing, and we acknowledge that new updates may fix additional problems. You may wish to apply these newer patches as they become available.

You can obtain and install the following patches from Sun Microsystems or download them from Sun’s Web site:

Solaris 8
Oct. 4, 2001 Solaris patch cluster or later
(108434-03 patch and 108435-03 patch - only needed if doing 64bit stuff are contained in this, and also needed by compiler)

Server

Solaris requires 64-bit kernel mode
Domino 6.x does not support Solaris 32-bit kernel mode; please use 64-bit kernel mode to run Domino 6.x.

Server, Domino Web Access
Solaris system settings
The following changes should be made to the /etc/system file on the Solaris 8 server for Domino 6.

```
set rlim_fd_max=32768
set msgsys:msginfo_msgtql=1024
```

If you intend to run more than 4 Domino partitions on the system then you should allow at least 250 message queue entries (msginfo_msgtql) for each partition, more if you have memory intensive applications. If this value is too low then when the message queue limit has been reached you will receive the following message on the Domino Console:

Warning! Failed to allocate message queue resource; post-crash/fault recovery shutdown system disabled.

As root, make the changes as specified above, and then reboot the system.

Administrator Client, Server

Linux platforms supported
Starting with Domino 6.5.1, Red Hat Enterprise Linux 2.1, UnitedLinux 1.0, and Powered by UnitedLinux 1.0 are supported platforms for the Domino server.

Starting with Domino 6.5.2, Red Hat Enterprise Linux 3.0, and SUSE LINUX Enterprise Server (SLES) 8.0 are supported platforms for the Domino server.

Server

Linux patch requirements
Starting with Domino 6.5.1, the Linux patches below are required for correct operation of the Domino server. IBM/Lotus realizes that additional patches may become publicly available following our initial certification testing, and we acknowledge that new updates may fix additional problems. You may wish to apply these newer patches as they become available.

Please ensure that you install all compatibility rpms for the given OS - for example, on RedHat, make sure to install compat-libstdc++. Sometimes these packages will automatically get installed, but sometimes they will not and, as such, you will need to install them yourself.

Red Hat Enterprise Linux 2.1
Update 2 (Q2 2003)
Red Hat Enterprise Linux 3.0
Update 1

UnitedLinux 1.0/Powered by UnitedLinux 1.0
Service Pack 2

Server
 Domino for Linux on zSeries service pack requirements
The following Linux for S/390 distribution and service are required for Domino 6.5 (and above):

- SUSE LINUX Enterprise Server 8 for IBM S/390 (31 bit), with Service Pack 2

Specifically, SLES 8 for IBM S/390 is a 31-bit Linux 2.4 kernel distribution for the IBM zSeries platform available from IBM Linux Distribution Partner Novell. "Service Pack 2" is a maintenance release (dated June 5, 2003) that included support for the "I/O readiness change notification facility", also known as "epoll". Domino for Linux on zSeries requires epoll to support large numbers of network connections, such as between Notes clients and Domino.

Additional Linux for IBM S/390 distribution maintenance is strongly recommended for Domino 6.5 (and above):

- SUSE LINUX Enterprise Server 8 for IBM S/390 (31 bit) with Service Pack 3, plus k_deflt-2.4.21-261.s390.rpm (from the Maintenance Web)

where "k_deflt-2.4.21-261.s390.rpm" is kernel maintenance dated "Thu Nov 18 11:25:36 UTC 2004".

Although individual operating system maintenance patches and Service Packs are not certified, IBM/Lotus realizes that there are later service packs and maintenance that may become publicly available after testing, and acknowledges that these more recent updates may fix additional problems.

Server
 Domino for Linux on zSeries configuration
A more complete reference for the installation and configuration of Domino 6.5 for Linux on zSeries can be found in the Redbook "IBM Lotus Domino 6.5 for Linux on zSeries Implementation" found here:

http://www.redbooks.ibm.com/abstracts/sg247021.html

Modifying default kernel values

By default, the Linux kernel limits the number of file descriptors that any one process can open; the default is 1024. This limit includes socket file descriptors that are opened during basic client/server communications. That is, you cannot assume that having fewer than 1024 databases (or files) in the Domino data directory is an indicator of the maximum number of open file descriptors that Domino will require. In order to scale above "tens" of client connections, this default must be overridden.

The mechanism for overriding the default varies depending on how the Domino server is started. There are 2 basic scenarios:
1. Domino is started manually, by logging in on the server id

For this case, the default must be overridden by modifying the file /etc/security/limits.conf AND insuring it is respected by the login. Edit /etc/security/limits.conf using root and add or modify the lines:

```
domsrvr soft nofile 20000
domsrvr hard nofile 49152
```

where "domsrvr" is an example of the user that will run the Domino server; specify the UNIX user name in the first column that is the owner of the notepad directory specified during Domino installation. If you have more than one Domino installation on the same Linux for zSeries platform, repeat these lines for each user name. The "soft" value specifies the new default file descriptor limit (ulimit -n), and the "hard" value specifies the maximum file descriptor limit that may be set by the user.

In order for these limits to be respected following logon, insure the following line is in the appropriate pam.d login file:

```
session required /lib/security/pam_limits.so
```

For example, if ssh login is used, this line must appear in /etc/pam.d/sshd
If telnet is used, this line must appear in /etc/pam.d/login
If rlogin is used, this line must appear in /etc/pam.d/rlogin

The Domino server user must login after the above changes are made and saved.

2. Domino is automatically started through /etc/init.d

The redbook "IBM Lotus Domino 6.5 for Linux on zSeries Implementation" discusses this procedure in detail (Chapter 9, Section "Automating Domino startup and shutdown"). It is worth noting, however, that /etc/security/limits.conf settings are NOT respected when Domino is automatically started by a /etc/init.d script. Therefore, a line such as the following MUST appear in the 'start' section of such a script:

```
ulimit -n 20000
```

No matter which mechanism is used, insure the file descriptor limit has been successfully overridden for each of your Domino server partitions. One way to do that is by entering the following command on (each of) your Domino server console(s), and insuring the result is "20000" (or higher):

```
load /bin/ksh -c "ulimit -n"
```

Warning: Always make /etc/security/limits.conf change (1. above) in addition to modification of the 'start' script. Otherwise, on the occasion you do start Domino manually, the file descriptor limit will be inadequate.

In addition to the above, other Linux kernel value changes are recommended for large scale Domino environments. Unlike the file descriptor limit, which must be modified before logon of the Domino user, these values can be modified by Domino itself. At startup, a program named "tunekrnl" runs and either tests or sets these values. If the environment variable DOMINO_LINUX_SET_PARMS=1, then tunekrnl will set these values. Otherwise, it will test them and display a message for each value that is not the recommended Domino setting. The kernel values are:

<table>
<thead>
<tr>
<th>kernel parameter</th>
<th>default value</th>
<th>recommended value</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/proc/sys/fs/file-max</td>
<td>(as low as 8192)</td>
<td>131072</td>
<td>maximum number of system-wide file descriptors</td>
</tr>
<tr>
<td>/proc/sys/net/ipv4/tcp_fin_timeout</td>
<td>60</td>
<td>15</td>
<td>retransmission timer for a FIN (socket close) in seconds</td>
</tr>
<tr>
<td>/proc/sys/net/ipv4/tcp_max_syn_backlog</td>
<td>1024</td>
<td>16384</td>
<td>maximum value of the listen() connection backlog</td>
</tr>
<tr>
<td>/proc/sys/net/ipv4/tcp_tw_reuse</td>
<td>0</td>
<td>1</td>
<td>enables &quot;time-wait assassination&quot; allowing for rapid re-use of sockets</td>
</tr>
<tr>
<td>/proc/sys/net/ipv4/ip_local_port_range</td>
<td>32768 61000</td>
<td>1024 65535</td>
<td>increases the range of port values available for connect()</td>
</tr>
<tr>
<td>/proc/&lt;pid&gt;/mapped_base</td>
<td>1 Gigabyte</td>
<td>128 Megabytes</td>
<td>&quot;floor&quot; address value above which memory allocations may occur. <strong>NOTE:</strong> this value is always set by &quot;tunekrnl&quot;, regardless of the DOMINO_LINUX_SET_PARMS value.</td>
</tr>
</tbody>
</table>
To have Domino set the recommended values automatically, issue the shell command:

```
export DOMINO_LINUX_SET_PARMS=1
```

prior to starting the Domino server.

**Swap configuration for Linux on zSeries**

SUSE LINUX Enterprise Server 8 for IBM S/390 supports up to 2 Gigabytes of memory; a Domino server supporting thousands of users will typically require more than 2 Gigabytes of memory, causing swapping to occur. At least 1 Gigabyte should be allocated as a swap 'disk', however actually swapping to disk (DASD) hinders performance. One mechanism to keep swapping within system memory is XPRAM. The following general steps are an example of the configuration of 1 Gigabyte of XPRAM for Linux on zSeries in a native environment:

1. Configure at least 1 Gigabyte extended memory from the hardware console. Linux on zSeries will automatically detect that.
2. Configure the xpram driver.
3. The following Linux commands set swap space 1G from a 3G partition that was made into a file system and mounted off of the xpram_fs directory:
   ```
   insmod xpram devs=1 sizes=2000000
   mkswap /dev/slram0
   swapon /dev/slram
   ```
4. Make sure the xpram swap has higher priority than other disk swap.
5. Remember that these commands go away on a reboot. If you want to keep this active you can place these commands into `/etc/init.d/boot.local`

**Server**

**Domino for Linux on zSeries restrictions**

Following are the restrictions on Domino for Linux on zSeries:

- IPv6 is not supported by Domino for Linux on zSeries at this time; it is expected to be supported in a future release of Domino.
- SNMP Agent capability is not supported by Domino for Linux on zSeries at this time.

**Server**

**Hyper-threaded CPUs treated as SMP systems**

Due to the "virtual" CPU that is inherent with a hyper-threaded CPU, hyper-threaded CPUs are counted as SMP systems.

**Client**

**Citrix support statement**

**Citrix support information**

The Notes Client is supported on Citrix Metaframe XPe FR2 and FR3 on Windows 2000 Advanced server and Windows 2003 Enterprise Edition server using NT and MAC ICA’ clients.

1Citrix ICA stands for Citrix® Independent Computing Architecture. It is the "thin" protocol that enables Citrix to separate screen updates and user input processing from the rest of the application’s logic. When using a Citrix ICA Client, all application logic executes on the server and only screen updates, mouse movements and keystrokes are transmitted via the Citrix ICA session.
Server

CHECKOS warning messages
Before the installation of Domino, the operating system needs to be queried to determine what the current state or level of the operating system is. The CHECKOS tool has been provided to help keep servers at the optimum OS reliability level, based on the state of the particular machine or patch level.

CHECKOS is designed to be aware of each vendor’s specific packaging/kitting format. It keeps a list of all required patches for each vendor. Patches can be considered a subset of packages. In some cases, there are packages for which patches must be loaded however, it is not necessarily true that the package itself is required. In other words, unless the system has that particular package installed, a missing patch need not be applied. Thus, every warning generated by CHECKOS needs to be verified to determine the necessity of installing since the patch may refer to a package external to the operating system that is not required for the user’s purposes. Please check this URL for more information: http://www.lotus.com/ldd/checkos

Client, Designer

Supported versions of Lotus SmartSuite
The following versions of Lotus SmartSuite are supported with Notes/Designer 6.x when creating and/or embedding OLE (object linking and embedding) objects: SmartSuite Millenium Edition 9.6, 9.7 and 9.8.

Client, Designer

Supported versions of Microsoft Office
Following are the versions of Microsoft Office supported with Notes/Domino 6.x:

- For Windows, the following versions of Microsoft Office are supported with Notes/Designer 6.x when creating and/or embedding OLE (object linking and embedding) objects: Microsoft Office 97, 2000, and XP. If you are using Office XP then we highly suggest you upgrade to SP2, since it contains several OLE-related fixes.
- Using the ‘Send To’ feature, which allows Office documents to be sent via Notes e-mail as an attachment in the above Microsoft Office versions, is also supported.
- For the Macintosh: OLE is no longer supported on the Mac for Notes 6.x, however, Microsoft Office 98 and 2001 are both supported for client interoperability uses (Copy and Paste of information, for example). And Office v.X is also supported for OSX users.

Administrator Client, Designer, Server

Supported versions of IBM WebSphere
Beginning with Domino 6.0.2, WAS 5.01 is supported for all platforms, except Domino for z/OS. Domino for z/OS supports WAS 4.05. For additional information, see the topic “27 WebSphere 4.05 and 5.01 plug-ins added” in the ‘Things you need to know- Server feature changes’ section of these release notes.

Administrator Client, Client, Server

Webmail requirements
The following are the browser requirements for Webmail:

- Microsoft Internet Explorer 6.0 on Windows XP, Windows 2000, Windows NT, and Windows 98
- Microsoft Internet Explorer 5.5 on Windows XP, Windows 2000, Windows NT, Windows 98, and Windows 95
- Microsoft Internet Explorer 5.0 on Windows NT, Windows 98, and Windows 95
- Netscape Navigator 4.7x on Windows XP, Windows 2000, Windows NT, Windows 98, and Windows 95
- Netscape 4.7x on Macintosh OS 9, OS 10.1 and 10.2
- Netscape 4.7x on Solaris 8 and 9
- Netscape 4.7x on AIX
- Netscape 4.7x on Red Hat Linux 7.2
- Netscape 7.0 (Mozilla 1.01 with Java plug-in 1.41) on Red Hat Linux 7.2 (starting with 6.0.2)
- Netscape 4.61 on OS/2 Warp Server 4.5
- IBM Web Browser 2.0 version 2 (Java plug-in J2RE 1.3.1 or later) on OS/2 WARP 4.5 (starting with 6.0.2)
Web browsers supported

The following are the minimum Web browsers supported, by platform, as tested with Domino 6 Java applets.

Note: Internet Explorer is not available on AIX 4.33 and Solaris 8, and is not supported on Macintosh PowerPC. Netscape does not have a browser available for the current version of AIX at this time.

<table>
<thead>
<tr>
<th>Platform</th>
<th>ActionBar Applet</th>
<th>Editor Applet</th>
<th>Outline Applet</th>
<th>View Applet</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIX 4.33 &amp; 5.1</td>
<td>No Browser Available for this version of AIX</td>
<td>No Browser Available for this version of AIX</td>
<td>No Browser Available for this version of AIX</td>
<td>No Browser Available for this version of AIX</td>
</tr>
<tr>
<td>Solaris 8'</td>
<td>Netscape Communicator 4.7x</td>
<td>Netscape Communicator 4.7x</td>
<td>Netscape Communicator 4.7x</td>
<td>Netscape Communicator 4.7x</td>
</tr>
<tr>
<td>Windows 98</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
</tr>
<tr>
<td>Windows NT 4.0 (Intel)</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
</tr>
<tr>
<td>Windows 2000</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
</tr>
<tr>
<td>Windows XP</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
<td>Internet Explorer 5.0 - 6.0, Netscape Communicator 4.7x</td>
</tr>
<tr>
<td>Macintosh PPC 9.2.x</td>
<td>Browsers do not support this applet so HTML is used as a fall back.</td>
<td>Browsers do not support this applet so HTML is used as a fall back.</td>
<td>Netscape 4.7x</td>
<td>Netscape 4.7x</td>
</tr>
<tr>
<td>Macintosh PPC 10.2.x</td>
<td>Browsers do not support this applet so HTML is used as a fall back.</td>
<td>Browsers do not support this applet so HTML is used as a fall back.</td>
<td>Netscape 4.7x</td>
<td>Netscape 4.7x</td>
</tr>
<tr>
<td>OS/2 Warp 4.5 with Convience Pack</td>
<td>IBM Web Browser for OS/2 Version 2.0</td>
<td>IBM Web Browser for OS/2 Version 2.0</td>
<td>Not supported, defaults to HTML</td>
<td>IBM Web Browser for OS/2 Version 2.0</td>
</tr>
<tr>
<td>Red Hat Linux 7.2</td>
<td>Netscape 7.0, Netscape Communicator 4.79</td>
<td>Netscape 7.0, Netscape Communicator 4.79</td>
<td>Netscape 7.0, Netscape Communicator 4.79</td>
<td>Netscape 7.0, Netscape Communicator 4.79</td>
</tr>
</tbody>
</table>

1 Due to design limitations in Java implementation, Internet Explorer does not support Java on UNIX platforms. Please note that some Notes templates and other features that require Java may be affected by this limitation.

Smartcard support

Smartcard support was introduced in Lotus Notes 6.

Notes Password on a Smartcard:

It is currently possible to lock an ID file such that a smartcard and smartcard PIN are required, instead of the Notes password. Removing the smartcard from the reader will then log the user out of Notes. This feature can be enabled through the following steps:

1. Ensure that your ID file is recoverable via ID File Recovery, and that your ID file is not configured for password expiration in your person document on your server’s public directory.
2. Install the smartcard reader hardware and software, following the instructions provided by the smartcard vendor.
3. Open the User Security Panel (File -> Security -> User Security)
4. Open the Your Identity // Your Smartcard Pane
5. Enter the path or browse to the location of the PKCS #11 library, installed by the smartcard installation. Some sample paths and names are listed below:
   - \WINNT\system32\gclib.dll (GemSAFE 3.1)
   - \WINNT\system32\acpkcs201.dll (ActivCard Gold 2.2)
   - \WINNT\system32\pk2priv.dll (GemSAFE 2.21)
   - \Program Files\Netscape\Communicator\Program\acpkcs.dll
   - \Schlumberger\Smart Cards and Terminals\Cyberflex Access Kits\v4\slbck.dll (Schlumberger Cyberflex Access V4.3)
   - \Schlumberger\Smart Cards and Terminals\Common Files\slbck.dll (Schlumberger Cyberflex Access V2)
   - \WINNT\system32\dkck201.dll (Rainbow iKey 2032)
   - \WINNT\system32\dkck201.dll (Datakey CIP 4.07)
   - \WINNT\system32\sadaptor.dll (Eutron CryptoIdentity CryptoKit 3.2.1)

6. Click on the Enable Smartcard Login button to lock the ID file using a key stored on the smartcard instead of a password.

**Internet Keys on a Smartcard:**

It is currently possible to place an RSA private key from the ID file onto a smartcard and use that key to sign and decrypt S/MIME mail, and to authenticate to "Internet" servers using SSL client certificate authentication.

To place an RSA private key onto a smartcard:

1. Open the User Security Panel (File -> Security -> User Security)
2. Open the Your Identity // Your Certificates pane
3. Select the Internet Certificate associated with the private key that you want to move to the smartcard.
4. Select Other Actions // Store Private Key on Smartcard.

Notes/Domino 6.0.2 added the ability to import Internet keys stored on Smartcards by entities other than Notes. Since the private key, by definition, can never be extracted from the hardware device, the import mechanism consists of copying the X.509 certificate from the token, extracting the public key from the certificate, generating a "pointer" to the private key on the Smartcard, and then storing those three objects in the ID file so they can be found by, and used with, Notes. For more information, see the "Importing Certificates from Smartcards" release note.

Notes/Domino 6.0.5/6.5.3 adds the ability to perform this import without first smartcard-enabling the ID file. This allows users to use keys that were pre-loaded onto read-only tokens and therefore cannot currently be used to lock the Notes ID file. As long as the PKCS#11 library is correctly configured and a token is present in the reader, then the "Import Internet Certificates from a Smartcard" menu option will be available as described in the "Importing Certificates from Smartcards" release note.

**Tested Smartcard packages:**

Smartcard functionality has only been tested under win32-based operating systems. Untested smartcards that include PKCS #11 libraries may work with Notes 6. The following smartcard packages have been tested, and indicated (*) packages have caveats listed below:

<table>
<thead>
<tr>
<th>Smartcard Package</th>
<th>Login with the token</th>
<th>Removing token will generate 'F5'-style logout</th>
<th>512-bit RSA keys on the token</th>
<th>1024-bit RSA keys on the token</th>
</tr>
</thead>
<tbody>
<tr>
<td>ActivCard Gold 2.2</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Datakey CIP 4.07</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Eutron Cryptoldentity CryptoKit 3.2.1</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>GemSAFE libraries 3.1 SP4 (GPK16000)</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>GemSAFE Enterprise Workstation 2.21 (GPK8000) (*)</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>GemSAFE Enterprise Workstation 2.0 (GPK4000) (*)</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
</tbody>
</table>
**Smartcard Package** | **Login with the token** | **Removing token will generate 'F5'-style logout** | **512-bit RSA keys on the token** | **1024-bit RSA keys on the token**
--- | --- | --- | --- | ---
Rainbow iKey 2032 SDK v4.7.0 | yes | yes | yes | yes
Schlumberger Cyberflex Access SDK V4.3 | yes | yes | no | yes
Schlumberger Cyberflex Access SDK V2 | yes | yes | no | yes

**Caveats and Warnings:**

- The only way to recover from losing or breaking a smartcard or to revert a smartcard-protected ID file to a password is through ID File Recovery. ID File Recovery should be configured for an ID file before the ID file is smartcard-enabled. Recovering a smartcard-protected ID file will revert the ID file to use a password and will restore any keys that were pushed onto the smartcard, as long as the recovery information was not changed after the key was pushed down to the smartcard.
- Password expiration should be disabled in a user’s person record before they smartcard-enable their ID file.
- Password checking will result in only a single smartcard being usable with a given ID file, even across multiple computers or platforms. In this scenario, one copy of the ID file should be smartcard-enabled, and then that version of the ID file should be copied to all of the other respective computers. That single smartcard will now be required for all of the copies of the ID file.
- Many smartcard packages only support 1024-bit RSA keys. You can find the strength of a given key by selecting an Internet Certificate and pressing the Advanced Details button from the "Your Identity//Your Certificates" pane of the User Security Dialog (File//Security//User Security).
- Server setup will not function with a smartcard-protected server ID. In order to use a smartcard-protected ID with a server, finish server setup with a password-protected version of the ID file, then add the path to the PKCS #11 library in the server’s notes.ini (PKCS11_Library=<path to library>), and finally smartcard-enable the server’s ID file on a client using the steps indicated above.
- Single Logon, which synchronizes the Notes and Windows passwords, cannot be used with a smartcard-protected ID file. You must restart Notes after disabling Single Logon before smartcard-enabling an ID file.
- The format in which smartcard-related information is stored in the ID file has changed since the earliest beta releases of Notes 6. Using an ID file that was smartcard-enabled with one of these early beta releases will result in an "Incomplete or incorrect smartcard configuration" with Notes 6.
- Notes uses version 2.01 of the PKCS #11 API to communicate with smartcards and other PKCS#11 devices. PKCS #11 libraries that only implement version 2.0 will not result in an "F5"-style logout when the card is removed from the reader. Updated libraries may be available from the smartcard vendors.
- Version 2.2 is the required minimum version of ActivCard Gold supported for Notes 6.
- GemSAFE 2.21’s NT Lock Workstation feature has been known to crash some versions of NT and deadlock with Notes. When installing GemSAFE 2.21, the NT lock workstation feature defaults to on. Un-check the box.
- There may be problems when installing GemSAFE 2.21 on a laptop running NT 4.

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**Lotus Components are no longer supported**

Support for the Lotus Components version 1.3 expired on January 31, 2001. In general, these ActiveX controls do work in Notes 6, but are no longer supported.
Domino Access for Microsoft Outlook System Requirements

System and Outlook Requirements
- Windows OS (Windows 2000 Professional or Windows XP Professional)
- Outlook 2000 with SP2, Outlook XP with SP3, or Outlook 2003 with SP1
- Domino Server running 6.5.1 or higher
- Mail databases created using a Mail6.ntf, Mail6ex.ntf or iNotes6.ntf template

Client System Memory

Client Disk Space
- Windows OS: 275 MB disk space

Recommended Default Editor
If you are working in a mixed Notes/DWA/DAMO environment, it is recommended that you set Microsoft Word as the default editor, and that you use rich text as the message format.

Network protocols and methods

Administrator Client, Client, Designer, Server
NetBIOS over IPX: Notes and Domino on Windows NT, 2000, or 2003
NetBIOS emulation over IPX allows Domino to connect servers and workstations with NetBIOS using Novell NetBIOS or Microsoft NetBIOS over the IPX protocol.

Windows NT provides built-in network support that makes it compatible with Novell NetBIOS over IPX emulation. You can run the Notes workstation or Domino server on Windows NT, 2000, or 2003 without performing any additional NetWare or Windows configuration. All you need to do is enable the NetBIOS port on the Notes workstation, and, in the case of the Domino server, select the correct LANA number.

Note: For a Domino server on Windows 2000 or 2003, it is advisable to obtain the LANACFG tool from Microsoft, as Windows 2000/2003 does not provide a way to determine the LANA number for a NetBIOS interface. For information on how to determine the LANA number on a Windows NT system, see the Lotus Domino Administrator 6 Help.

When using the NWLink NetBIOS protocol stack, make sure the following services are installed and running:
- NWLink IPX/SPX-Compatible Transport
- NWLink NetBIOS

Administrator Client, Client, Designer
NetBIOS over IPX: Notes on Windows 98, or XP
NetBIOS emulation over IPX allows Domino to connect servers and workstations using Novell NetBIOS or Microsoft NetBIOS over the IPX protocol.

To use Novell NetBIOS over IPX, you must first install Novell’s InterNetWare Client32 NetBIOS services; then, during Notes workstation setup, you must enable the NetBIOS port.

To use Microsoft NetBIOS over IPX, do one of the following:
- Use the NWLink NetBIOS protocol stack supplied by Microsoft, making sure the following services are installed and running:
  a. Microsoft Client for NetWare Networks
  b. Microsoft IPX/SPX-compatible protocol (NetBIOS support must be enabled in the Properties - NetBIOS tab)
  c. Microsoft NetBIOS support for IPX/SPX compatible protocol
- Install the Novell InterNetWare Client32, which has its own IPX/SPX stack with NetBIOS emulation services.
You can run the Notes workstation with Microsoft NetBIOS over IPX without any additional Windows configuration.
Server

**NetBIOS: Only 256 sessions per NIC on Windows systems**
The maximum number of Notes sessions using NetBIOS on the Windows platform is 256 per NIC. This is true regardless of the lower transport used (NetBEUI, IP, or IPX).

Administrator Client, Client, Designer, Server

**SPX: Notes and Domino on Windows NT, 2000, or 2003**
When the SPX port is enabled, the Domino server for Windows NT, 2000, or 2003 automatically detects which NetWare services are installed.

You can run a Notes workstation for Windows NT or 2000 on SPX without performing any additional SPX or Windows configuration. All you need to do is enable the port.

For a Domino server, you must configure SPX using the NetWare services used by a server.

**Setting up Lotus Notes/Domino on Windows NT, 2000, or 2003**
1. Start Lotus Notes or Lotus Domino.
2. Enable the network port for SPX on the Notes workstation or Domino server if this has not already been done.
3. Restart the Notes workstation or Domino server.

Depending on which protocol stack you have installed, perform one of the following additional configurations:

**NetWare Client Services options**
1. In the Control Panel, select Novell NetWare Client Services.
2. Select Configure.
3. (Optional) Enter the NDS NameContext that matches the group/organization’s context.
4. (Optional) Enter or select the name of the NDS Preferred Tree.
   **Note:** This step is important for setting up the IPX/SPX stack for use by a Domino server.
5. (Optional) Enter the name of the preferred server, which is used by Domino servers using Bindery Services.

**IPX/SPX stack options**
1. In the Control Panel, select Novell NetWare IPX/SPX Transport.
2. Select Configure.
3. Set the number of SPX connections equal to the maximum number of SPX connections supported by this system.
   The default is 48.

Administrator Client, Client, Designer

**SPX: Notes on Windows 98, or XP**
The Notes workstation supports two SPX protocol stacks on the Windows 98, or XP platform:

- Microsoft NwLink IPX/SPX protocol with Bindery Services support
- Novell Requester IPX/SPX protocol with Bindery Services and NDS Services support

When you use the above protocol stacks, make sure the following services are installed and running:

- Microsoft NwLink Windows 98/XP
  -- Microsoft IPX/SPX compatible stack
  -- Microsoft NetWare Client Services
- Novell Requester for Windows 98/XP
  -- Novell NetWare Client Services
  -- Novell NetWare IPX/SPX Transport

Windows 98, and XP support SPX with Winsock (WSOCK32.DLL), which comes with the operating system. The Notes SPX port driver uses WSOCK32.DLL for IPX/SPX.
The Novell Requester for NetWare/NDS Services uses these DLLs:

- CALLWIN32.DLL
- NETWIN32.DLL
- LOCWIN32.DLL

**Setting Up Lotus Notes and SPX on Windows 98, or XP**

1. Start the Notes workstation program.
2. Enable the network port for SPX on the Notes workstation if this has not already been done.
3. Restart the Notes workstation.
4. Depending on the protocol stack, perform one of the following procedures:

**Microsoft NwLink**

1. In the Control Panel, select IPX/SPX-compatible Protocol Properties.
2. Highlight Frame Type in the Property dialog box and select a value for it.

**Novell NetWare**

1. In the Control Panel, select IPX/SPX-compatible Protocol Properties.
2. Highlight Frame Type in the Property dialog box and select a value for it.
3. In the Control Panel, select Client for NetWare Networks Properties.
4. (Optional) Enter or select a Preferred server name.
5. (For NDS only) Enter or select a Preferred Tree name and then enter or select a Default Context name.

**Server**

**TCP/IP: Domino on UNIX and Linux**

Because the TCP/IP protocol is built into the UNIX and Linux operating systems, you do not need any additional network software to set up a Domino server and TCP/IP on a UNIX or Linux system. If you use DNS or a local host file, ping the Domino server by IP address and by host name. Then install the Domino server and run the server setup program.

**TCP/IP: Notes and Domino on Windows NT, 2000, or 2003**

Notes workstations and Domino servers use the built-in TCP/IP networking software provided by Windows NT, 2000, and 2003. If you have already installed a network interface card (for example, Ethernet or Token Ring) and device driver software, and have enabled the TCP/IP protocol in Windows NT/2000/2003, you can run the Notes workstation or Domino server on TCP/IP without performing any additional TCP/IP or Windows configuration.

Support for use of TCP/IP with Microsoft DUN/RAS is available for Notes workstations and Domino servers using network dialup.

**Setting Up Lotus Notes/Domino on Windows NT, 2000, or 2003**

1. Install the TCP/IP software.
2. If you are setting up a Domino server, ping the server by its DNS host name. This determines whether you can resolve the common name of the Domino server (assuming the Domino server name is the same as the Windows system name). If you cannot ping the server, the TCP/IP software is not configured properly.

**Note:** In cases where the Domino server common name is different than the Windows system name, additional work may be required in Notes/Domino or DNS to resolve the server name.
3. Install the Notes workstation or Domino server software.
4. Run the Notes or Domino setup program. If you are running the Notes setup program, select TCP/IP in the "Network type" field.
TCP/IP: Notes on Windows 95/98 or XP/2000

Notes workstations use the built-in TCP/IP networking software provided by Windows 95/98 and XP/2000. If you have already installed a network interface card (for example, Ethernet or Token Ring) and device driver software, and have enabled the TCP/IP protocol in Windows, you can run the Notes workstation on TCP/IP without performing any additional TCP/IP or Windows configuration.

Support for use of TCP/IP with Microsoft DUN/RAS is available for Notes workstations using network dialup.

Setting Up a Notes workstation and TCP/IP on Windows 95/98 or XP/2000

1. Install the TCP/IP software.
2. Install the Notes workstation software.
3. Run the Notes setup program. Select TCP/IP in the "Network type" field.

IMAP Namespace/Public Folders is problematic with Netscape 7

With the introduction of the latest IMAP feature Namespace/Public Folders, there has been a problem uncovered in operating with the Netscape 7 IMAP client. This issue pertains to the client's handling of the Notes naming convention and its separators. The Notes naming convention utilizes the user's name and domain, parted by separators (/).

Although the present implementation in the server configuration document allows the administrator to change this character to something else (e.g., |), for Namespace/Other Users, the Netscape 7 client appears to have an initial problem transposing this character for Namespace users. Public Folders utilize the Notes separator. What is seen is that the entire folder hierarchy is being listed in one component.

Correct:

Other Users
  Sam Adams|US
  Inbox

Incorrect:

Other Users\Sam Adam|US|Inbox

When attempting to access this folder you will receive a "SELECT" error indicating that the folder does not exist, however, subsequent attempts at configuring these folders seem to work correctly. Netscape has been contacted, and has been alerted to this issue.

International language requirements

Setting a character set for full-text indexing plain-text files

Domino server uses the Verity KeyView filter for retrieving content from binary attachments. KeyView filter takes care of character set information of each binary attachment file so that Domino full text indexes binary attachment files regardless of a locale configuration. This however is not the case for plain text files because a plain text file has no character set information. Domino server handles plain text files under the assumption that they are written in the character set that is the same as the character set of the current locale of the server.

You can check the current locale of the Domino server by entering "show locale" at the console; the response would be something like this:

Region:  en-US [English(United States)]
Collation:  en [Latin1]
CSID:  52(Hex)

NOTE: Domino uses the CSID value to determine the character set of Text Attachments files.
When the character set of a text file you want to full text search is different from that of the server, full text search does not work for these text files. You can avoid this problem by explicitly setting `FT_KVCS UNKNOWN_CSID = CharacterSetVal` in notes.ini file. `FT_KVCS UNKNOWN_CSID` overrides the character set value that Domino server uses for handling plain text files. For example, if you want to full text search plain text files written in Shift_JIS (a Japanese character set) on 'C' locale, you set `FT_KVCS UNKNOWN_CSID = 12` in Domino server's notes.ini file.

The following table shows CSID values for some of Windows code-pages:

<table>
<thead>
<tr>
<th>Windows Code-Page ID</th>
<th>Language</th>
<th>CSID</th>
</tr>
</thead>
<tbody>
<tr>
<td>374</td>
<td>Thai</td>
<td>90</td>
</tr>
<tr>
<td>332</td>
<td>Japanese</td>
<td>12</td>
</tr>
<tr>
<td>336</td>
<td>Chinese (People's Republic of China, Singapore)</td>
<td>1B</td>
</tr>
<tr>
<td>337</td>
<td>Chinese (Taiwan)</td>
<td>1A</td>
</tr>
<tr>
<td>349</td>
<td>Korean</td>
<td>18</td>
</tr>
<tr>
<td>1250</td>
<td>Eastern European</td>
<td>50</td>
</tr>
<tr>
<td>1251</td>
<td>Cyrillic</td>
<td>51</td>
</tr>
<tr>
<td>1252</td>
<td>Western European</td>
<td>52</td>
</tr>
<tr>
<td>1253</td>
<td>Greek</td>
<td>53</td>
</tr>
<tr>
<td>1254</td>
<td>Turkish</td>
<td>54</td>
</tr>
<tr>
<td>1255</td>
<td>Hebrew</td>
<td>55</td>
</tr>
<tr>
<td>1256</td>
<td>Arabic</td>
<td>56</td>
</tr>
<tr>
<td>1257</td>
<td>Baltic</td>
<td>57</td>
</tr>
</tbody>
</table>

The document “Setting up Domino on Linux for non-‘C’ locales”, located in the ‘Things you need to know - Installation’ section lists other CSID values that you can use for the variable `CharacterSetVal`.

**Administrator Client**

**Server Health Monitoring and Windows Regional settings**

There is currently an issue when using Server Health Monitoring to monitor a W32 Domino server with different Windows Regional Settings than the Administrator Client, for example, a Domino server with Spanish regional settings being monitored by an Administrator Client with English regional settings.

This issue is that the Domino server will not convert number punctuation marks properly, and may give incorrect recommendations.

**Workaround**

Use the same regional settings for the Administrator Client as the Domino server being monitored.

This issue will be addressed in a future release of Domino 6.

**Server**

**International issues in Java-based Domino Console**

Following are the International issues with the Java-based Domino Console:

- On Linux, Domino Console that is started by the Controller has a problem when using Hebrew characters; the console freezes after it writes Hebrew characters. Instead of Controller starting the Console, start the Console separately and attach to the Controller. That is, start Controller as "server -jc -c" and Console as "jconsole" and attach to the Controller. Or, start Controller "server -jc", and as soon as you give the Domino password, exit just the Console only. Then start Console separately and attach.

- How to enter Indic language characters in Domino Console - On AIX, Linux, and NT/W2K machines, click on the icon on the top left corner of the window/dialog. Selecting the "Select Input Method" menu option pops up a menu from which you can select the Input Method Editor of choice.

- On Linux, expanding the Chinese character selection in Linux's IME results in recycling server commands being displayed, because of a Linux IME problem.

- On Linux, Korean characters are not displayed while typing in the Command Input field of the Domino Console.
• Domino Console does not currently support Thai locale.
• Domino Console does not support inputting text in a different language than the language of the Operating System it is running on.
• Domino Console does not switch input modes in Japanese IME using ALT+ ~ when a dialog box with text field is invoked. If you tab out to another field and come back, it works.
• Domino Console does not currently support GB18030.

Client, Server

**Specifying UCA Collation on servers**
The Notes client allows administrators to specify the use of UCA Collation, except when using it on a server. When using UCA Collation on a server, administrators must enter the following command manually into the Notes.INI file:

```
"CollationType=@UCA"
```

Client, Server

**UCA - Sorting characters that have more than one pronunciation**
Unified Han characters that have more than one pronunciation, such as code points D1DC (U+F90F) or D4FE (U+7F85) in Korean, are sorted next to each other instead of the usual Korean collation standard (i.e., collation based on how a character is being pronounced).

This rule applies to other languages, such as Japanese and Chinese, as well.

Administrator Client

**Changing the collation rule from ccSTR to UCA**
When you change the collation rule from ccSTR to UCA, the view index is always rebuilt automatically. To avoid performance problems during the day, schedule your collation change at midnight.

Server

**Character set ISO-8859-8 will not be used**
You can choose 'ISO-8859-8' as the character set for Hebrew on the Domino HTTP server, but all the Hebrew pages with this character set will be published by the ISO-8859-8-i instead.

Client, Server

**Character set name 'Windows-874' was changed to 'TIS-620'**
Domino/Notes used to have "Windows-874" as one of the MIME names for Thai, but we have changed the name to "TIS-620" which is the official name the Thai government uses. Domino/Notes still accepts "Windows-874" on the inbound message, but you need to use "TIS-620" for the outbound message. The Domino HTTP server also uses "TIS-620" for HTML page publishing.

Server

**DBCS password is legible to a user during setup**
A user is able to read a DBCS (Double Byte Character Set) password being composed during the setting up of Domino 6.

Designer

**Encoded field name isn't decoded when converting from HTML to CD**
The HTML Source Editor does not return non-ASCII field names after round-tripping (Convert to HTML, Convert to Notes). When converting from CD to HTML format, non-ASCII field names are converted to the encoded field name, but when converting HTML to CD format, the encoded field name is not decoded back to the original field name.
Server

**Input Hindic text during server setup**

When the server setup wizard first appears, click on the Font button to select the appropriate font style. Follow the setup wizard until reaching a pane which allows you to input "Hindic" text; click in the text field. Right-click the wizard’s title bar. A floating menu will now appear. Select the Input Method menu item. Select the appropriate input method required.

Ensure that your keyboard indicator is "EN". The keyboard indicator is located at the bottom right-hand corner of the screen, and can be enabled via the Keyboard Control Panel.

Server

**Linux - ru, ru_RU is defaulting to ru_RU.ISO-8859-5**

Russian codepage mapping: when locale in Linux is set to ru, ru_RU, Domino is defaulting to iso8859-5, which is not convenient for users who want to use koi8r.

If you want to use the koi8r code page, make sure that your locale is set to ru_RU.koi8r and not ru or ru_RU.

Server

**Linux - Turkish locale settings on Linux**

Turkish: When locale is set to Turkish on Linux (Turkish), you can’t launch the server; the reason is that Domino and Linux use two different mappings for this locale.

**Workaround**

In order to use Turkish as the default locale, make sure that your terminal default locale is set to one of the following:

- tr (mapped to ISO-8859-9)
- tr_TR (mapped to ISO-8859-9)
- tr_TR.utf8 (mapped to Unicode)

Client, Server

**Product Scope for International Language Versions**

**Notes/Domino 6.0.x/6.x product scope for International Language versions**

<table>
<thead>
<tr>
<th>Windows Platforms</th>
<th>Windows Client</th>
<th>Windows Administrator Client</th>
<th>Server/Language Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Notes 6.0.x/6.x</td>
<td>Notes 6.0.x/6.x</td>
<td>Domino 6.0.x/6.x</td>
</tr>
<tr>
<td>French</td>
<td>Y</td>
<td>Y (starting w/6.0.1)</td>
<td>Y</td>
</tr>
<tr>
<td>German</td>
<td>Y</td>
<td>Y (starting w/6.0.1)</td>
<td>Y</td>
</tr>
<tr>
<td>Italian</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Spanish</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Brazilian Portuguese</td>
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<td>N</td>
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</tr>
<tr>
<td>Dutch</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
</tr>
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<td>Danish</td>
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<td>Y</td>
</tr>
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<td>Swedish</td>
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</tr>
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<td>Norwegian</td>
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<td>Y</td>
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<tr>
<td>Finnish</td>
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<tr>
<td>Greek</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
</tr>
</tbody>
</table>
## Windows Platforms

<table>
<thead>
<tr>
<th>Windows Client - Designer Client</th>
<th>Windows Client - Administrator Client</th>
<th>Server/Language Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes 6.0.x/6.x</td>
<td>Notes 6.0.x/6.x</td>
<td>Domino 6.0.x/6.x</td>
</tr>
<tr>
<td>Arabic</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Hebrew</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Iberian Portuguese</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Japanese</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Traditional Chinese</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Simplified Chinese</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Korean</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Thai</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

## Non-Windows platforms

<table>
<thead>
<tr>
<th>Non-Windows platforms</th>
<th>Mac Client - Notes Client</th>
<th>Server/Language Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>iSeries</td>
</tr>
<tr>
<td>Notes 6.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>German</td>
<td>Y</td>
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<tr>
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</tr>
<tr>
<td>Thai</td>
<td>N</td>
<td>Y</td>
</tr>
</tbody>
</table>

Language Packs will ship on six CD’s:

Typically

CD1: French, German, Italian, Brazilian Portuguese, Spanish (Language Pack BFIGS)
CD2: Danish, Dutch, Finnish, Norwegian, Swedish (Language Pack Nordics)
CD3: Arabic, Czech, Greek, Hebrew, Hungarian, Polish, Portuguese (Iberian), Russian, Turkish (Language Pack Eastern Europe)
CD4: Simplified Chinese, Traditional Chinese, Korean
CD5: Japanese
CD6: Thai

You will find more information on Language Pack functionality in the readme.txt included on the product CD.
For the European and Asian server releases of Windows and iSeries, Language Packs replace the translated server kits (TSK's) and localised server kits (LSK's) released with Notes 5.x. For Japan a translated server kit is available for Windows and localised server kits are available for AIX/Solaris/Linux.

Language Packs provide the translated files (templates and resource files) required on the Domino server to support translated Notes or iNotes clients, and also to provide the required Domino server settings based on the OS locale.

It is strongly recommended that the Administrator Client, which is only available in English for the European languages and Thai for 6.0, is not installed on the same machine as the Notes Client and Designer Client. If you install the Administrator client on a same machine, even in a different folder, then any previously installed versions of Notes (i.e. Designer Client) are automatically uninstalled.

The Administrator client will be available for German and French starting 6.0.1.

**Translated Templates for 6.0.x/6.x**

For Notes/Domino 6.0.x/6.x, approximately 14 templates are translated into European and Asian languages - see table below.

<table>
<thead>
<tr>
<th>Template name</th>
<th>Template filename</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Domino Directory</td>
<td>pubnames.ntf</td>
</tr>
<tr>
<td>2. Extended Mail (N/D 6)</td>
<td>mail6ex.ntf</td>
</tr>
<tr>
<td>3. Discussion - Notes &amp; Web (6.0)</td>
<td>discsw6.ntf</td>
</tr>
<tr>
<td>4. Team Room (6.0)</td>
<td>teammrm6.ntf</td>
</tr>
<tr>
<td>5. Personal Address Book</td>
<td>pernames.ntf</td>
</tr>
<tr>
<td>6. Bookmarks (N/D 6)</td>
<td>bookmark.ntf</td>
</tr>
<tr>
<td>7. Mail (N/D 6)</td>
<td>mail5.ntf</td>
</tr>
<tr>
<td>8. Doc Library - Notes &amp; Web (N/D 6)</td>
<td>doclbw6.ntf</td>
</tr>
<tr>
<td>9. Personal Journal (N/D 6)</td>
<td>journal6.ntf</td>
</tr>
<tr>
<td>10. Resource Reservations (6.0)</td>
<td>resrc6.ntf</td>
</tr>
<tr>
<td>11. Subscription (N/D 6)</td>
<td>headline.ntf</td>
</tr>
<tr>
<td>12. Directory Catalog</td>
<td>dircat5.ntf</td>
</tr>
<tr>
<td>13. DOLS Resource Template</td>
<td>dolres.ntf</td>
</tr>
<tr>
<td>14. iNotes</td>
<td>inotes.ntf</td>
</tr>
</tbody>
</table>

**Unicode stand sorting: String comparison result may be different**

With the Unicode Standard Sorting option checked, the result of LotusScript string comparisons for Domino 6 (for example, string formulas such as @sort) may be different from R5. If you prefer to have the same results for both R5 and Domino 6, simply un-check the Unicode Standard Sorting option.

**Administrator Client**

**Statistics pane doesn't convert data from different regions**

This issue appears as in the following example:

A Win32 server with a Spanish Regional setting is being monitored with an Administrator Client using an English Regional setting. The values in the Statistics Tab will not convert the values correctly; confusing commas for periods and vice versa. However, the data in the rest of the Administrator Client including Charting, Server Monitor tab, and data collection into local Statrep is OK.
Switching UI Language to English from localized Notes versions
In Notes 6.0 localized versions (any non-English version), the English User Interface exists, as well as the localized interface. A user can switch the UI language to English simply by removing the "UserInterface=" entry from Notes.INI.
This will affect the UI language of Dialog boxes, Menus, Messages and Infoboxes, however, the UI language of templates will remain in the localized language. This can be helpful if the user is contacting support people who only speak English.
Note that when switching to English, the UI Language of the Mail Migration tools will also remain in the localized language.

Restrictions using ADSync in Japanese environment
When synchronizing a Domino Directory with an Active Directory, ADSync puts the names from the Active Directory into the primary name fields of the Domino Directory just as they are. However, using double-byte characters for a primary name is not supported for Japanese versions of Notes/Domino.
If you have already registered names using Japanese characters in Active Directory, or are going to do so using MMC, please rename the names in the Active Directory so that they are in single-byte characters.

Security

Internet Access and the Outlook Express Migration tool
The Outlook Express migration tool uses short names to connect to the server. In order to use this tool, you must make sure of the proper internet access settings in the Server Document, under the Security tab.
In the Internet Access section, select: Internet authentication: More name variations with lower security
This will allow Outlook Express users to use the Migration tool and connect to the Notes Mail Server.

Rename of user through User Security panel, via mail
Users who request a rename through the User Security panel via mail should make sure that the administrator uses adminp to process the request. If the administrator does not, and the user is a roaming user, the roaming users’ files will not be able to replicate back to the server after accepting the name change. Thus any changes incurred locally will not be pushed and pulled to other machines the user roams to/from.
If the administrator does not use the adminp process, then they should update the ACLs on the roaming users’ files as well as the users’ mail file to avoid this situation.

Users should locally encrypt databases on multi-user machine
We advise users on a multi-user machine to locally encrypt databases for added security.
Directories

Server

Enabling and using Extended Access in a Domino Domain
If Extended Access was enabled and configured in an earlier beta release of Domino 6, it is recommended to disable Extended Access and re-enable/re-configure it.

Administrator Client, Server

Use "objectclass=dominoPerson" when adding with LDAP
When adding a new person(s) to the Domino directory via LDAP, one must use "objectclass=dominoPerson" in order for Notes clients to view them in the People view.

Client feature changes

Client

Displaying pop-up Help for view icons
To display pop-up Help when you hover your mouse over view icons in Notes, choose File - Preferences - User Preferences, then select "Enable Icon Popup Help in View" under "Additional Options."

Client

DocLib template supports the use of groups as reviewers
DocLib (Document Library) Template now supports the use of groups for reviewers, with several caveats.

1. If the group is selected from a local NAB but the user's location document points to a server based NAB, the group names will be derived from the server based NAB and not the local NAB. This is only an issue if the same group name occurs in both the server NAB and the local NAB and the members of the two groups are different.

2. Once a group has been entered as the reviewer (or one of the reviewers), the template will expand the group to display individual names. These names cannot be edited however -- if you want to remove one of the names, you will need to copy the reviewer list in it's entirety, create a new document and paste the names (not the group) into the new document.

Client

Document Library (doclibsw6) known issues
With Domino 6, the Document Library has incorporated support for groups in the reviewer field, and more support for alternate names.

Group limitations
The group specified in the reviewer field must be defined in the name and address book (names.nsf) on either the user's local names.nsf or in the names.nsf file on the server on which the database is located. For example, if the user's mail file is on server A, and the database is on server B, then any group used in the reviewer field must be defined in either the local names.nsf or the names.nsf file on server B. While the name lookup for reviewers will permit the user to select a group from names.nsf on server A, and it will send mail to the group, the document will not be reviewable by members of that group.

Workaround
Copy the group record from the server to your local names.nsf before using the group in the reviewer field.
Alternate names
If alternate names are turned on in the user’s location document, and the user’s language preference matches the alternate name of someone specified in the reviewer field, Notes will display the alternate name once the document has been submitted for review. Depending on how the name is entered (picking from an address dialog, typing the primary name or typing the alternate name) the alternate name may be displayed before the document is submitted for review. If the user refreshes (F9) the document before submitting it for review, however, the primary name will be displayed until the document is submitted for review. Alternate name support does not include displaying alternate names in message windows (particularly those indicating mail messages have been sent).

Administrator Client, Client, Designer

Instant Messaging not shown in Status Bar
When Instant Messaging server is not specified in Location document, Instant Messaging item doesn’t get displayed in the status bar, regardless of the setting in Status Bar Preferences.

Designer feature changes

Client, Designer

Change to "Never" option when discarding a view index
Prior to Notes/Domino 6, the options for discarding the index of a view on the View Properties Index tab were:

- Never
- After each use
- If inactive for (user-defined, between 1-245) days

In Notes/Domino 6, the word "Never" has been replaced by "If inactive for 45 days". This is not a change in the actual functionality; when "Never" was selected previously, Notes would discard the view index if it had been inactive for 45 days. The new wording provides a more accurate description of what actually happens.

Designer

Views and folders with background images need to be resaved
This release note applies to users upgrading from a previous beta version of Notes/Domino 6. It does not apply to users upgrading to Notes/Domino 6 directly from R5 or earlier.

Views and folders with background images need to be resaved due to a change in the on-disk structure of view and folder design elements. In some cases, the image will need to be reselected.

Server feature changes

Server

CGI scripts must be fully-qualified in Win32 environments
CGI scripts must be fully-qualified in Win32 environments. For example, if there is a program named "foo.exe" or "foo.pl" the URL must contain the fully-qualified name of the script, "foo.exe" or "foo.pl"; if the CGI script is specified as only "foo", the HTTP server will return an error.

The CGI processor will no longer attempt to search a directory for variations of files that do not have a suffix, in Win32 environments.
**Default clock type behavior has changed**

In releases prior to Domino 6 for AIX, Solaris, Linux, iSeries, and zSeries platforms, the clock type used by the Domino server defaulted to a 12-hour format. For Domino 6, the default clock type is now inherited from the operating system date/time format configuration.

The Domino 6 server inspects a locale keyword named "d_t_fmt" in a category "LC_TIME" to decide the default clock type. As a result, you may see the time format used by the Domino server has changed to a 12-hour format after upgrading.

**Workaround**

If you want to retain the clock type as 12-hour, you can do one of the following:

- Change the locale to one which uses a 12-hour format for starting the Domino 6 server. For example, the locale "en_US" on Linux and Solaris platforms uses a 12-hour clock.
- Specify the Notes.INI setting "ClockType=12_HOUR" to override the system default clock type.

**Transaction Logging information**

On some servers, memory fragmentation may occur due to the logging of large non-summary data. Beginning with Domino 6.0.2, the transaction logging code will break the larger log record into smaller pieces, thereby using less memory.

**Note:** You will only be able to fall back to a Domino release later than 6.0, and any other server that may read the transactional logs must also be at a release later than 6.0 (i.e., a backup server).

**Web Server: Additions to dynamic HTML generated for sections**

The Dynamic HTML (DHTML) used to render collapsable sections for display with Microsoft Internet Explorer has been enhanced and made available for use in other browsers which support DHTML. The enhancement consists of using the `<DIV>` tag instead of the `<SPAN>` tag to delimit the sections, and using standard JavaScript rather than IE-specific extensions for manipulating the sections.

Use of this enhancement is configured in the `domino-data-directory\browser.cnf` file. By default, the enhancement is turned off, meaning that the original DHTML is generated. To enable the enhancement, edit the browser.cnf file.

Here is an excerpt from the browser.cnf file describing the options:

```plaintext
## DHTMLSections - String indicating whether / how sections should render using client-side DHTML
##
## Possible Values (case sensitive):
## None - client-side DHTML is not used
## Legacy - client-side DHTML generated as originally implemented on notes 6.0. This was an
## IE specific implementation.
## Standard - client-side DHTML using standards-based DHTML -- will work with
## IE 6 and
## Mozilla/5 based browsers.
##
## The property as shipped is configured to provide the same behavior as
## originally
## implemented in notes 6.0. Replace the rule with the ones commented out
## to extend the use of DHTML sections to other browsers and to avoid some IE
## 6
## problems with the legacy implementation.
## Note that some paragraph spacing in the Standard option may be different from
## the
## other options and from the Notes client.

Property DHTMLSections String None
Rule Legacy MSIE [4-9] # IE 4.x or higher
# Rule Legacy MSIE [4-5]
# Rule Standard MSIE [6-9]
# Rule Standard Mozilla/5
# Rule Standard Opera/7
```

82
Server

**Web Server: Error 401 is no longer logged to the Server Console**

In releases of Domino prior to Domino 6, the Web Server would log Error 401’s to the server console. Error 401 is generated for 2 different reasons; a user attempts to access a particular resource that they are not authorized for, or a user has failed to authenticate. These errors are still captured in the Web Server logs.

If an administrator wishes to re-enable logging Error 401 messages to the server console, they can do so with the following notes.ini variable:

HTTPLogUnauthorized=1

Designer

**Web Server: Special character handling in URLs**

This note elaborates several points dealing with special characters in URLs:

- If a name contains a mixture of spaces and the "+" character, it may be necessary to use %20 to indicate the space.

For example, if the document’s key is "Smith + Jones" then:


and


will work but


will not.

- slashes and backslashes in URL path components are not distinguishable, even if escaped. (This is because the first step in URL processing is to unescape all escaped characters and to change '\' to '/'.) The result is that some names will be ambiguous or not addressable. For example while two views, one named "a/b\c/d" and the other "a\b/c\d" are different in the designer, they cannot be named uniquely with a URL.

- Document keys containing slashes and/or backslashes are addressable with the following restrictions:
  - you must supply the ?OpenDocument command argument in the URL.

For example if the document key is "Smith/Jones" the following URLs will find the document:


but this one will result in "Error 404 - Entry not found in index":

http://www.mercury.com/leads.nsf/ByCompany/Smith/Jones

- the document title as stored in the database must use all "/" or "\". If it uses a mixture, it won't be found.
- using slashes (both kinds) in view names along with slashes in document titles may result in ambiguities and "unreachable" documents. If you have a view named "a" which has a document in it titled "b/c", and a view named "a\b" which contains a document "c", the URL /database.nsf/a/b/c?OpenDocument will open the document in the view a/b.
- document titles which begin or end with the "/" or "\" character won't be found.
- The percent character ("%") is not allowed in a URL, even in 'escaped' form. This is to help prevent attacks which attempt to mask their intent by escaping the escape character.
Server

Web Server: Website crawler URL format now disabled by default
When the "Make this site accessible to web site search crawlers" setting on the Internet Protocols -> Domino Web Engine tab is 'Disabled', the Domino Web Server no longer accepts client requests that replace the standard query string separator (i.e. '?') with a '!' character (e.g. http://www.site.com/db.nsf/Form!OpenForm).

Workaround
In order for your server to be able process these requests, you can either:
1. Keep the search crawler setting 'Disabled' and set DominoXUrlProcess=1 in the server's NOTES.INI to force the server to accept !-separated URLs.
2. Switch "Make this site accessible to web site search crawlers" to 'Enabled'. This will make the Web Server both generate dynamic URLs using the '!' URL syntax and process the corresponding requests.

Server, Domino Web Access

WebSphere 4.05 and 5.01 plug-ins added
Beginning with Domino 6.0.2, WebSphere 4.05 and 5.01 plug-ins are included in the Domino server installation AS A REPOSITORY. If the WAS 4.05 and/or WAS 5.01 server was not installed with the desired WebSphere HTTP plug-in, then use the following as a guide to install and enable it.

WAS 4.0X
This file is required for all installations to configure the Domino server or groups the Websphere server will be redirected to:

\Lotus\Domino\data\domino\plug-ins\plug-in-cfg.xml

The file to the right of each transport below is the WAS plug-in's location after a successful Domino server installation. When configuring a UNIX installation, the following file placement of the plug-in and plug-in-cfg.xml is recommended as an example. Copy the desired WebSphere plug-in packaged in the 6.0.2 Domino server installation to the WebSphere server as follows:

usr\WebSphere\AppServer\bin\desired plug-in from list below
usr\WebSphere\AppServer\config\plug-in-cfg.xml

The file to the right of each transport below is the WAS plug-in's location after a successful Domino server installation. When configuring a w32 installation the following file placement of the plug-in and plug-in-cfg.xml is recommended as an example. Copy the desired WebSphere plug-in packaged in the 6.02 Domino server installation to the WebSphere server as follows:

d:\WebSphere\AppServer\bin\desired plug-in from list below
d:\WebSphere\AppServer\config\plug-in-cfg.xml

Domino release 6.0.2 contains 9 configurations for the following HTTP transports, for WAS 4.0x on the following platforms.

Domino WebSphere plug-in is ONLY configured on a Domino 5 server for redirection to a Domino 6 or Domino R5 HTTP server.

AIX
IBM HTTP Server \Lotus\Domino\data\domino\plug-ins\was4\aix\mod_ibm_app_server_http.so
Apache 1.3.x plug-in \Lotus\Domino\data\domino\plug-ins\was4\aix\mod_app_server_http.so
Apache 1.3.x w/ EAPI plug-in \Lotus\Domino\data\domino\plug-ins\was4\aix\mod_app_server_http_eapi.so
Domino 5.x \Lotus\Domino\data\domino\plug-ins\was4\aix\libdomino5_http.a

w32
IBM HTTP Server \Lotus\Domino\data\domino\plug-ins\was4\w32\mod_ibm_app_server_http.dll
Apache 1.3.x plug-in \Lotus\Domino\data\domino\plug-ins\was4\w32\mod_app_server_http.dll
Apache 1.3.x w/ EAPI plug-in \Lotus\Domino\data\domino\plug-ins\was4\w32\mod_app_server_http_eapi.dll
Domino 5.x \Lotus\Domino\data\domino\plug-ins\was4\w32\domino5_http.dll
IIS \Lotus\Domino\data\domino\plug-ins\was4\w32\iisWASplug-in_http.dll
\Lotus\Domino\data\domino\plug-ins\was4\w32\plug-in_common.dll
**WAS 5.0X**

This file is required for all installations to configure the Domino server or groups the Websphere server will be redirected to:

```xml
\Lotus\Domino\data\domino\plug-ins\plug-in-cfg.xml
```

The file to the right of each transport below is the WAS plug-in's location after a successful Domino server installation. When configuring a UNIX installation the following file placement of the plug-in and plug-in-cfg.xml is recommended as an example. Copy the desired WebSphere plug-in packaged in the 6.0.2 Domino server installation to the WebSphere server as follows:

```xml
/usr/WebSphere/AppServer/bin\desired plug-in from list below
/usr/WebSphere/AppServer/config\plug-in-cfg.xml
```

The file to the right of each transport below is the WAS plug-in's location after a successful Domino server installation. When configuring a w32 installation the following file placement of the plug-in and plug-in-cfg.xml is recommended as an example. Copy the desired WebSphere plug-in packaged in the 6.02 Domino server installation to the WebSphere server as follows:

```xml
d:\WebSphere\AppServer\bin\desired plug-in from list below
d:\WebSphere\AppServer\config\plug-in-cfg.xml
```

Domino release 6.0.2 contains 20 configurations for the following HTTP transports, for WAS 5.01 on the following platforms.

Domino WebSphere plug-in is ONLY configured on a Domino 5 server for redirection to a Domino 6 or Domino R5 HTTP server.

**AIX**

- IBM HTTP Server
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\aix\mod_ibm_app_server_http.so
  ```
- Apache 1.3.x plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\aix\mod_app_server_http.so
  ```
- Apache 1.3.x w/ EAPI plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\aix\mod_app_server_http_eapi.so
  ```
- IPlanet 4.x plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\aix\libns41_http.so
  ```
- Domino 5.x
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\aix\libdomino5_http.a
  ```

**w32**

- IBM HTTP Server
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\w32\mod_ibm_app_server_http.dll
  ```
- Apache 1.3.x plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\w32\mod_app_server_http.dll
  ```
- Apache 1.3.x w/ EAPI plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\w32\mod_app_server_http_eapi.dll
  ```
- IPlanet 4.x plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\w32\libns41_http.dll
  ```
- Domino 5.x
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\w32\libdomino5_http.dll
  ```
- IIS
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\w32\isWASplug-in_http.dll
  ```

**Solaris**

- IBM HTTP Server
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\solaris\mod_ibm_app_server_http.so
  ```
- Apache 1.3.x plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\solaris\mod_app_server_http.so
  ```
- Apache 1.3.x w/ EAPI plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\solaris\mod_app_server_http_eapi.so
  ```
- IPlanet 4.x plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\solaris\libns41_http.so
  ```
- Domino 5.x
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\solaris\libdomino5_http.so
  ```

**Linux**

- IBM HTTP Server
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\linux\i686\mod_ibm_app_server_http.so
  ```
- Apache 1.3.x plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\linux\i686\mod_app_server_http.so
  ```
- Apache 1.3.x w/ EAPI plug-in
  ```xml
  \Lotus\Domino\data\domino\plug-ins\was5\linux\mod_app_server_http_eapi.so
  ```
Setting up an IIS server with the WAS 4.0x and 5.0x plug-ins

Installing the IIS plug-ins

To install the plug-in on an IIS front-end server, you can use the Websphere installation program. From the "What do you want to install" dialog, you can simply choose the plug-in (exact UI may depend on release); you don't need to install any other Websphere components. Alternatively, if you have access to WAS plug-in directory tree, you can copy the directory tree to the new machine and manually install the plug-in by following these instructions:

1. Copy the plug-in directory tree from a machine that has an installed version of Websphere, into any convenient target directory on the new machine (these instructions assume you have copied the tree to C:\WebSphere):

   C:\WebSphere\AppServer
   |-- bin
   |   |-- config
   |   |-- etc
   |   |-- logs

2. Start the Internet Service Manager application.

3. Create a new Virtual Directory for the website instance you want to work with WebSphere. To do this with a default installation, expand the tree on the left until you see 'Default Web Site'. Right-click on 'Default Web Site' and select 'New' -> 'Virtual Directory'. This will bring up the wizard for adding a Virtual Directory. Add a specific host name in the properties field.

4. In the space provided for "Alias to be used to Access Virtual Directory", type 'seplug-ins'.

5. In the space provided for "Enter the physical path of the directory containing the content you want to publish", browse into the WebSphere bin directory (C:\WebSphere\AppServer\bin).

6. On the "What access permissions do you want to set for this directory", Check the "Allow Execute Access" checkbox.

7. Click 'Finish' and a virtual directory should be added to you default website titled "seplug-ins".

8. Add the ISAPI filter into the IIS configuration. Right-click on the host name in the tree on the left and select "Properties".

9. On the 'Internet Information Services' tab, select 'WWW Service' in the 'Master Properties' drop-down box and click on the 'Edit' button.

10. The 'WWW Service Master Properties' window should pop up. Click on the 'ISAPI Filters' tab.

11. Click on the 'Add' button. This should bring up the 'Filter Properties' window.

12. In the space provided next to "Filter Name:" type "iisWASplug-in".

13. In the space provided next to "Executable:", click the 'Browse' button, go into the WebSphere bin directory, and select the "iisWASplug-in_http.dll".

14. Click the 'OK' button until all open windows are closed.

15. When configuring WAS 4.05 plugin, open the Windows registry file and create the following key path:
   'HKEY_LOCAL_MACHINE' -> 'SOFTWARE' -> 'IBM' -> 'WebSphere Application Server' -> '4.0'. Select '4.0' and create a new string value 'plug-in Config'. Set the value for this variable to the location of the plug-in-cfg.xml file (C:\WebSphere\AppServer\config\plug-in-cfg.xml).

16. When configuring WAS 5.01 plugin, open the Windows registry file and create the following key paths:

17. 'HKEY_LOCAL_MACHINE' -> 'SOFTWARE' -> 'IBM' -> 'WebSphere Application Server' -> '5.0'. Select '5.0' and create a new string value 'BinPath'. Set the value for this variable to the location where the plugin is copied to (C:\WebSphere\AppServer\bin).

18. 'HKEY_LOCAL_MACHINE' -> 'SOFTWARE' -> 'IBM' -> 'WebSphere Application Server' -> '5.0'. Select '5.0' and create a new string value 'InstallLocation'. Set the value for the WAS root (C:\WebSphere\AppServer).

19. 'HKEY_LOCAL_MACHINE' -> 'SOFTWARE' -> 'IBM' -> 'WebSphere Application Server' -> '5.0'. Select '5.0' and create a new string value 'LibPath'. Set the value for this variable (C:\WebSphere\AppServer\lib).

20. 'HKEY_LOCAL_MACHINE' -> 'SOFTWARE' -> 'IBM' -> 'WebSphere Application Server' -> '5.0'. Select '5.0' and create a new string value 'MajorVersion'. Set the value for this to (5)

21. 'HKEY_LOCAL_MACHINE' -> 'SOFTWARE' -> 'IBM' -> 'WebSphere Application Server' -> '5.0'. Select '5.0' and create a new string value 'plug-in Config'. Set the value for this variable to the location of the plug-in-cfg.xml file (C:\WebSphere\AppServer\config\plug-in-cfg.xml).
Configuring the plug-in

The WebSphere configuration file WebSphere\AppServer\config\plug-in-cfg.xml controls the operation of the plug-in. In order for the plug-in to relay requests to the target Domino server, you must add directives to plug-in-cfg.xml to define a transport route to the server, and pattern rules for the URL namespaces that identify requests which are to be relayed to Domino. If IIS sends the plug-in a request that doesn’t match one of its namespace rules, the plug-in will let IIS handle the request itself.

Open plug-in-cfg.xml in Notepad and modify the <Transport> element to target the appropriate Domino server. For example:

```
<!-- Server groups provide a mechanism of grouping servers together. -->
<ServerGroup Name="default_group">
  <Server Name="default_server">
    <!-- The transport defines the hostname and port value that the web server plug-in will use to communicate with the application server. -->
    <Transport Hostname="frisco.iris.com" Port="80" Protocol="http"/>
  </Server>
</ServerGroup>
```

Add these directives to the top of the <UriGroup> section. These directives are needed for accessing Domino databases:

```
<UriGroup Name="default_host_URIs">
  <Uri Name="/*.nsf"/>
  <Uri Name="*/icons/*"/>
  <Uri Name="*/domjava/*"/>
</UriGroup>
```

Core team testers also need to add these directives:

```
<Uri Name="*/qe/*">
<Uri Name="*/cgi-bin/*">
<Uri Name="*/servlet/*">
```

App team testers may also need to add directives for URL namespaces particular to their application. For example, IWA testers need to add:

```
<Uri Name="*/inotes5/*">
```

**Note:** The WAS plug-in automatically re-reads the configuration file once per minute to pick up changes. If you don't want to wait that long, you must stop the World Wide Web Publishing Service from the Windows services control panel, then restart the web site from the Internet Services Manager. Just stopping and restarting the web site by itself won't work because the plug-in dll won't be reloaded.

**Setting Up the Domino Server**

On the backend Domino server, add the following line to NOTES.INI:

```
HTTPEnableConnectorHeaders=1
```

If this is the last line in the notes.ini be sure to add a <CR> at the end for a new line

At this point you are ready to test your installation:

1. Start Domino and verify that the HTTP task is running.
2. Start the default IIS web site.
3. From a browser, enter the url http://<domino server>/homepage.nsf. This request will be sent directly to the Domino server, and the Domino HTTP task should respond with the usual homepage.
4. Now enter http://<iis server>/homepage.nsf. This request will be sent to the IIS server; the WAS plug-in should intercept it and relay it to the Domino server. The resulting page should look identical to Step 3.
Setting Up the Transports on other HTTP transports

HTTP Transport iPlanet 4.X Config Changes
The following additions should be made to the obj.conf file for each defined server. If you select to have the iPlanet plug-ins installed during the WebSphere installation the below changes should be performed for you.

- Init fn="load-modules" funcs="as_init,as_handler,as_term" shlib="full/path/to/module"
- Init fn="as_init" bootstrap.properties="full/path/to/plug-in/config/file"
- Service fn="as_handler"

HTTP Transport Apache 1.3.X Config Changes
The following additions should be made to the httpd.conf file for the HTTP Transport plug-in to work correctly with Apache HTTP Server 1.3.X. The following changes should be performed automatically by the WebSphere install. If the LoadModule occurs in the config file before a ClearModuleList you will need to add in the Optional directive with the other AddModule directives.

- LoadModule app_server_http_module full/path/to/module
- Optional AddModule mod_app_server_http.c
- WebSphereplug-inConfig full/path/to/config

HTTP Transport Apache 1.3.X with eapi Config Changes
The following additions should be made to the httpd.conf file for the HTTP Transport plug-in to work correctly with Apache HTTP Server 1.3.X with eapi. The following changes should be performed automatically by the WebSphere install. If the LoadModule occurs in the config file before a ClearModuleList you will need to add in the Optional directive with the other AddModule directives.

- LoadModule app_server_http_module full/path/to/module
- Optional AddModule mod_app_server_http.c
- WebSphereplug-inConfig full/path/to/config

HTTP Transport IBM HTTP Server 1.3.X Config Changes
The following additions should be made to the httpd.conf file for the HTTP Transport plug-in to work correctly with IBM HTTP Server 1.3.X. The following changes should be performed automatically by the WebSphere install. If the LoadModule occurs in the config file before a ClearModuleList you will need to add in the Optional directive with the other AddModule directives.

- LoadModule ibm_app_server_http_module full/path/to/module
- Optional AddModule mod_app_server_http.c
- WebSphereplug-inConfig full/path/to/config

HTTP Transport Domino 5.X Config Changes on W32 servers
The following steps should be followed to get the HTTP Transport plug-in to work correctly with Domino 5.0 or 5.12. The following modifications are not performed by the WebSphere install and must always be performed manually.

Start up the Domino server
Access the following /webadmin.nsf through your web browser (e.g., http://frisco.iris.com/webadmin.nsf). It should prompt you for a password (this is defined in the person document in the Internet Password field) of the server’s names.nsf. You need to give the shortname for the Administrator and the Administrator password. The shortname is usually the first letter of the first name and the last name (e.g., Cliff Nicholson -> cnichols).

- Click on the ‘Configuration’ link on the left hand side of the page.
- Click on the ‘Servers’ link at the top left center of the page.
- Double click on the server you want to work with WebSphere.
- Click ‘Edit Server’ at the top left of the center window.
- Click ‘Internet Protocols’ in the middle of the page.
In the DSAPI Section in the middle right of the page add the path to the Domino plug-in. The plug-in gets installed in the WebSphere bin directory.

- Click 'Save and Close' on the upper left hand corner of the center window.
- Add the variable 'plug-in Config' to the registry under the path 'HKEY_LOCAL_MACHINE' -> 'SOFTWARE' -> 'IBM' -> 'WebSphere Application Server' -> '4.0'. Set the value for this variable to the location of the plug-in-cfg.xml file (e.g., d:\WebSphere\AppServer\Config\plug-in-cfg.xml).

**Restart the Domino Server**
When the server is starting up now you should see the following:

02/12/2003 03:05:09 PM JVM: Java Virtual Machine initialized.

WebSphere DSAPI filter loaded
02/12/2003 03:05:10 PM HTTP Web Server started

### Domino Access for Microsoft Outlook

#### Domino Access for Outlook

**Migrating from Exchange to Domino**
Use the following step-by-step instructions to migrate users and their mail files from Microsoft Exchange to Lotus Domino using the Domino Migration Tool.

#### Prerequisites and requirements

- You must have an admin.id and a cert.id for the Domino server.
- You must set up an Administrator profile in Outlook for the Exchange server.
- Microsoft Exchange must be installed as a Foreign Directory Source (part of the Administrator install).
- You must use the Extended Mail Template (Mail6ex.ntf) for all migrated Domino mail files.

#### Migration tips

When migrating very long distribution lists (i.e., several hundred users) in the address fields (such as the To, CC or bcc fields), the distribution list may be truncated or missing altogether when viewed in the Notes or DAMO client. The distribution list truncates after 768K, and depending on the amount of system memory available, the distribution list may be empty. The latter issue is an Exchange restriction, and is intermittent.

Make sure users have not renamed the standard Outlook folders in their Exchange mail file prior to migrating from Exchange to Domino. If a user renames a standard Outlook folder, the data in that folder may not migrate correctly. The standard Outlook folders are: Calendar, Contacts, Drafts, Inbox, Journal, Notes, Outbox, Sent Items, and Tasks. For example, if a user renamed the Outlook folder Inbox to "MyFavoriteInbox," the messages in the "MyFavoriteInbox" folder would not display and function properly after migration.

Contacts migrated from an Exchange mail file to Domino will appear in the Contacts view, but will not be migrated to a separate .nsf file as in previous releases. A document with the subject "Exchange contacts have been migrated to Domino" will appear in the All Documents view instructing the user how to replicate the Contacts to a local Personal Name and Address book.

If the body of an Outlook message in RTF format has been corrupted, the body is converted as text only when the mail file is migrated from Exchange to Domino. In this case, some attachments present in the Outlook message may not be present after migration, when viewed through the Notes or Domino Access for Microsoft Outlook client.
Installation
Start the Domino Administrator Client, then follow these steps to migrate users and their associated mail stores from Exchange to Domino.

1. From the Domino Administrator client, select the People and Groups tab.
2. From the Tools pane, click People, and then click Register - Migrate People.
3. When the Migrate People dialog opens, select Microsoft Exchange Users from the Foreign Directory Source.
4. When prompted, enter the profile of the administrator for the Exchange server from which you are migrating.
5. From the drop-down list of Exchange users, select all users to migrate and add to the People and Groups to Migrate list, then select Migrate button. Note that you can modify the migration options (for example, you can elect not to have a password created), or simply use the default settings.
6. Click Done. The entire list is added to the registration queue in the Register Person dialog.
7. In the Register Person dialog, click Register All. When you do this, all users are added to the Domino Directory (public Name & Address Book) and their mail files migrated.

Convert Microsoft Exchange addresses to Domino addresses
After migrating all users, ensure that all addresses are converted from Exchange to Notes canonical format (such as CN=John Smith/OU=Sales/O=Acme), using the Mail Convert tool. Note that this tool only converts the addresses of Microsoft Exchange users who exist in the Domino Directory. If you continue to migrate smaller groups, run this tool each time a group is migrated.

Complete the following steps to convert Microsoft Exchange addresses to valid Domino addresses:

1. For the address conversion process to work correctly, the cache for NAB entries on the Domino Server which is used for Exchange Mail to Domino migration must be current. Perform the following task on the Domino Server Console to make sure the cache is updated and current:

```
tell router q
load updall <Domino Address Book> (e.g., 'load updall names.nsf')
load router
```

2. To perform the address conversion on all migrated mail files on the Domino Server (in the \mail subdirectory), type the following on the Domino Server Console:

```
load convert -w mail\*.nsf
```

Other available commands

- **load convert -w <specific mail file path>**
  Use this command to run the Address Fix on a specified migrated mail file. For example: `load convert -w mail\chair.nsf`

- **load convert -w -l <text list file path>**
  `load convert -w -l c:\tmp\mailfilelist.txt`
  Use the first command to generate a text list file with all migrated primary mail file paths on the server, excluding any replica mail databases. You can then run the Address Fix by using the second command with that text file.

- **load convert -w -f <text list file path>**
  Use this command to run the Address Fix on all migrated mail files listed in the specified text file. For example: `load convert -w -f c:\tmp\mailfilelist.txt`

For troubleshooting information on migrating from Exchange to Domino, see the release note "Troubleshooting the Exchange to Domino Migration." For a complete list of Domino Access for Microsoft Outlook issues, including migration issues, see the release note "Domino Access for Microsoft Outlook issues."
Domino Web Access

Administrator Client, Domino Web Access

Getting Domino Web Access information

Getting Help
Consult the Lotus Domino Administrator 6 Help for complete information on administering Domino Web Access. Additionally, before rolling out Domino Web Access, be sure to read the following documents. (Note: Domino Web Access, formerly iNotes Web Access)

- IBM Redbook, iNotes Web Access Deployment and Administration Guide - the complete reference for deploying and administering iNotes Web Access.
- IBM Redbook, Domino Web Access 6.5 on Linux
- IBM Redpaper, Domino Web Access 6.5 on Solaris 9

Server, Domino Web Access

Default "Use UTF-8 for HTML forms = NO" in web site document

IMPORTANT: The default value of 'Use UTF-8 for HTML forms' must be "YES", the context Help incorrectly reflects a default of 'NO'.

If you do not change the default value to "Yes", all the form encoding will be Native code as default.

Setting the Server to UTF-8 so Users can Save Documents in Multiple Languages

There is a default setting in the HTTP server that limits the server's ability to save documents created by a web client in languages other than English. You need to switch the HTTP server to speak in UTF-8 language instead of ASCII.

Here's how:

1. From the Domino Administrator, click the Configuration Tab.
2. Click Server, then All Server Documents.
3. Open the Web Server Document (for the server on which you are running the HTTP task) and click Edit Server.
4. Select the Internet Protocols tab, then the Web Engine tab.
5. Select "Yes" for the option: "Use UTF-8 for output:"

Administrator Client, Domino Web Access

Additional configuration settings for Domino Web Access

You can use the following NOTES.INI settings to customize your Domino Web Access sessions.

iNotes_WA_DisableBothFormats
Syntax: iNotes_WA_DisableBothFormats=value
Description: Use this setting to turn off the ability to send a message in both plain text and HTML format.
   0 - on
   1 - off
Applies to: Domino Web Access clients using iNotes6.NTF based templates
Default: 0
UI equivalent: None
iNotes_WA_DisableRecodeMIMECharset
Syntax: iNotes_WA_DisableRecodeMIMECharset=value
Description: By default, Domino Web Access recodes charsets for any text parts if their charset is not the default charset for the charset group. Use this setting to turn off such behavior.
   0 - on
   1 - off
Applies to: Domino Web Access clients using iNotes6.NTF based templates
Default: 0
UI equivalent: None

iNotes_WA_PortalLogout
Syntax: iNotes_WA_PortalLogout=value
Description: Set to 1 to offer the logout option on portals.
   0 - Disables this setting.
   1 - Enables this setting.
Applies to: Domino Web Access IE clients using the Domino Web Access Control
Default: 0
UI equivalent: None

iNotes_WA_PortalOffline
Syntax: iNotes_WA_PortalOffline=value
Description: Set to 1 to offer the offline option on portals.
   0 - Disables this setting.
   1 - Enables this setting.
Applies to: Domino Web Access IE clients using the Domino Web Access Control
Default: 0
UI equivalent: None

iNotes_WA_PortalSkipEndIESession
Syntax: iNotes_WA_PortalSkipEndIESession=value
Description: Use this setting to avoid logging out of other web applications when logging out of Domino Web Access during a portal session (when using &ui=portal session).
   0 - Disables this setting.
   1 - Enables this setting.
Applies to: Domino Web Access IE clients using the Domino Web Access Control
Default: 0
UI equivalent: None
iNotes_WA_SessionCheck
Syntax: iNotes_WA_SessionCheck=value
Description: Allows Domino Web Access clients to detect whether a connection to the server is present before submitting requests. This setting incurs an additional HTTP request on every POST operation, but helps greatly reduce the likelihood of lost user data due to the Web server being down or network problems.
   0 - Disables this setting.
   1 - Enables this setting.
Applies to: Domino Web Access IE clients using the Domino Web Access Control
Default: 0
UI equivalent: None

iNotes_WA_SkipEndIESession
Syntax: iNotes_WA_SkipEndIESession=value
Description: Use this setting to avoid issues with other open Web pages being negatively impacted by a Domino Web Access logout. When the Domino Web Access control is in use, Domino Web Access makes a call to end the IE session as part of a Domino Web Access logout. This clears any login credentials stored in IE memory and in memory cookies being used within this IE process (or any child processes spawned from this process). It is preferable for users to log in to other web sites through a separate instance of IE, instead of using this setting. Users can start the additional instances from the desktop, the quick launch toolbar, or the start menu. When users start additional instances in this way, logging out of Domino Web Access does impact the other IE windows.
   0 - Disables this setting.
   1 - Enables this setting.
Applies to: Domino Web Access IE clients using the Domino Web Access Control
Default: 0
UI equivalent: None

Administrator Client, Domino Web Access
Changing your internet password in Domino Web Access
When you change your internet password, allow time for the server’s AdminP process to run before the change takes effect. You may have to wait anywhere from 5 minutes to several hours depending on how often the AdminP process is set to run on the server.

When your Internet password is different from your Notes password:

- You may be prompted for a Synchronization Password the first time DOLS attempts to synchronize the offline mail file. When such a prompt occurs, you must set the Synchronization Password to your Notes password. DOLS will automatically save this password in your subscription synchronization preferences. When logging into the database offline in a browser, use the same internet password you would use to log into the browser online.

- If your offline mail file is encrypted locally, then a HTTP 500 Server internal error may occur when the offline mail file is opened, unless you have correctly set the Synchronization Password for the subscription to the Notes password. In the DOLS Sync Manager, select the mail file subscription entry, then select the Properties - Security dialog to set the Synchronization Password.
Configuration settings for Sametime on Domino Web Access

iNotes_WA_SametimeProtocol
Syntax: iNotes_WA_SametimeProtocol=value

Description: Set the value to https: or http: if you do not want to use the current Web page’s protocol to access the Sametime server. For example, if the current protocol is http and you want to force the use of https:

    iNotes_WA_SametimeProtocol=https

Applies to: Domino Web Access clients using iNotes6.NTF based templates

Default: The current Web page protocol

UI equivalent: None

Note: If you use the NOTES.INI setting iNotes_WA_STLinksCodebase=URL to point to the URL from which to load the STLinks toolkit, then the iNotes_WA_SametimeProtocol setting will not apply. It is recommended that you use iNotes_WA_SametimeServer (or iNotes_WA_SametimeServer) to resolve any Sametime setup issues before using iNotes_WA_STLinksCodebase=URL. Information about iNotes_WA_SametimeServer is listed in “NOTES.INI Settings” in the Reference section of Domino Administrator help.

iNotes_WA_SametimeOrg
Syntax: iNotes_WA_SametimeOrg=value

Description: Set the value to 1 to pass the current user’s organization (O part of their name) to Sametime. This setting is necessary for xSP environments.

1 = Uses the organization from the current user
<organization value> = to pass a specified organization value to Sametime instead of passing the O part of the current user's name. 

Note: For this release, do not use zero (0) as a value. If you do, the zero is passed on as the organization name.

Applies to: Domino Web Access clients using iNotes6.NTF based templates

Default: Do not pass an Organization value when logging in to stlinks (Sametime)

UI equivalent: None

iNotes_WA_SametimeNameFormat
Syntax: iNotes_WA_SametimeNameFormat=value

Description: Allows you to adjust the format of the name that is passed to Sametime for login, for awareness checking, and whether to pass RFC821 names. The value can contain up to 4 numeric digits in sequence.

For example:

    iNotes_WA_SametimeNameFormat=1011

where the following values apply:

First digit (left most) -- controls the format of the name passed to Sametime routines that prepare links and start chat sessions:

0 = Use abbreviated canonical format (for example, Joe User/Acme) [the default]
1 = Use full canonical format (for example, CN=Joe User/O=Acme)
2 = Use abbreviated canonical format but use a comma (,) as a separator for the name components (for example, CN=Joe User,O=Acme)
3 = Use only the common name (for example, Joe User)

2nd digit -- controls whether RFC821 addresses (for example, Joe User@acme.com) should be sent to Sametime:

0 = No, do not send
1 = Yes, do send [the default]
3rd digit -- controls the format of the name passed to Sametime login routines:
  0 = Use abbreviated canonical format (for example, Joe User/Acme)
  1 = Use full canonical format (for example, CN=Joe User/O=Acme) [the default]
  2 = Use abbreviated canonical format but use a comma (,) as a separator for the name components (for example, CN=Joe User,O=Acme)
  3 = Use only the common name (for example, Joe User)

4th digit -- a debug aide that when the users hovers over a link, the name that displays is identical to the name sent to Sametime. Use any character in the fourth position to enable this.

Applies to: Domino Web Access clients using iNotes6.NTF based templates
Default: 011
UI equivalent: None

---

**Domino Web Access**

**Delegate cannot read or send encrypted mail in Domino Web Access**

A delegate cannot read encrypted mail and cannot send signed or send encrypted mail, even though the mail file contains the delegator’s Notes ID.

If the sender encrypts for both the delegate and the delegator (for example, if they are both members of a group) then the delegate can read the encrypted mail.

---

**Domino Web Access**

**Disable drag and drop and in-place editing in your Calendar**

To disable drag and drop, and in-place editing, in your Calendar view in Calendar preferences:

1. Click Preferences.
2. Expand Calendar and then click Display.
3. Check Disable drag and drop and in-place editing.

---

**Domino Web Access**

**Domino Web Access as default mail client for IE only**

When you set Domino Web Access (iNotes Web Access) as your default mail client, this sets it as the default mail client in Microsoft Internet Explorer (IE). However, when you access other programs such as MS Word or MS Excel, Domino Web Access is not the default mail client. Also in IE, two options on the Tools - Mail and News menu, Send a Link and Send Page do not work for this release.

For information on setting Domino Web Access as your default mail client, see the online help topic “Change Other Preferences.”

---

**Administrator Client, Domino Web Access**

**Domino Web Access in Portal Views**

To reduce the space occupied at the top of the portal views, the branding has been removed. The date navigator has been moved to the collapsible left panel area. The Trash can has also been removed from the left panel area to conserve space.

Also in portal views, for the "About Domino Web Access" information, open the Preferences and click the About button.
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes

Chapter 2 - Things you need to know

Administrator Client, Domino Web Access

Domino Web Access limitations on Linux Mozilla

Following are the limitations using Domino Web Access on Linux Mozilla:

General

- The first time you access Domino Web Access, you will be prompted:

  A script from "International Business Machines Corporation" has requested enhanced privileges. You should grant these privileges only if you are comfortable downloading and executing a program from this source. Do you wish to allow these privileges?

  Check "Remember this decision" and click the OK button so that Domino Web Access can work properly.

Calendar

You cannot drag & drop calendar entries.

Local Archiving

Local archiving is not supported.

Preferences

You cannot set your default mail client in the Other Preferences.

Rich Text Editor

The font selection dialog box, does not reflect the current text property, such as bold, italic, type face, color. For example, if you select a font and make a change, the dialog box will return to the "select font" prompt, even though the font has been changed.

Shortcut Keys

The shortcut keys such as F1, F11, CTRL+O, do not work.

Alarm

Even if you snooze an alarm, the alarm window will no longer pop up after you switch to another view (e.g., from Mail to Calendar).

Chat and Instant Messaging Integration

Online meetings are not supported with Mozilla, therefore if a Domino Web Access user is engaged in a chat session and clicks on "Add Tools" none of the selectable options, such as screen sharing, whiteboard, audio or video, will work.

Domino Web Access Server Setup:

You must have Sametime 3.1 to enable Chat and Instant Messaging (Sametime) integration in Mozilla. In addition, you must enable Instant Messaging in Preferences in order to use Chat and Instant Messaging; previous versions of Chat are not supported in Mozilla.

If your Sametime server is not on the same machine as your Domino Web Access server, you must copy Sametime related files from the Sametime server to your Domino Web Access server. To do so, follow the steps below.

1. Copy the data\domino\html\sametime\stlinks directory from the Sametime server to the same location on your Domino Web Access server. Create the Sametime directory if one does not exist.
2. Replace the data\domino\html\sametime\stlinks\stlinks.jar file on the Domino Web Access server with a signed version of stlinks.jar from the Toolkit\stlinksignedapplet directory on the Sametime installation CD 2.

Note: For more information on setting up Domino Web Access for Sametime, see the Domino Administration help.
Mozilla Browser Setup:
You must install the Java Plug-in 1.4.1 before using Instant Messaging (Note: Do not use JRE 1.4.1.05). First install the Java Plug-in on the Linux client and then create a symbolic link under the [Mozilla Installation Directory]/plugins to point to the plug-in. Use the following procedure:

```
cd /n
ln -s /usr/java/j2re[VERSION]/plugin/i386/ns610/libjavaplugin_oji.so [Mozilla Installation Directory]/plugins/libjavaplugin_oji.so
```
Restart Mozilla
Java Plug-in is a part of the Java Runtime Environment and you can download it from http://java.sun.com.

Note: To check if Java Plug-in is correctly installed, select [Help]-[About Plug-ins] to see "Java(TM) Plug-in 1.4.1_xx" in the plug-in list (where xx is revision number of Java Plug-in).

Offline
- Offline is supported on Mozilla 1.3.1 with Red Hat 7.2, Red Hat 8, or SUSE 8.0. It is also supported using Mozilla 1.4.1 or 1.7.3 running on Red Hat 8 or SUSE 8.0. If you want to use offline with Mozilla 1.3.1 or 1.7.3 on Red Hat 8 or SUSE 8.0, be sure to install the Red Hat package named gcc-objc - Objective C support for gcc.
- There must be a Mozilla script file in the /usr/bin directory to be able to launch Offline from the desktop Offline icon. The Mozilla script file is usually a part of the Mozilla installation and is located where Mozilla is installed. Users may have to copy their script file to the /usr/bin directory then edit it so it points to the directory where Mozilla is installed.
- Only one offline Domino Web Access subscription is supported per Linux client. If you want to install a new subscription on a Linux client that already has a Domino Web Access subscription installed offline, you must uninstall the existing subscription first.
- In order to go offline on Linux, the user’s Notes ID must be imported into their Domino Web Access mail file on the server. If the user’s Notes ID is not imported in the mail file, then the Offline Security Policy in the doladmin.nsf on the server must be set to Autogen User IDs. If the user receives an "Unsupported Configuration" error when trying to go offline on Linux, try importing or re-importing the user's Notes ID into the mail file to resolve the problem.
- Use the Go Offline button to install, synchronize and reinstall your subscription. The Domino Sync Manager is not available on the Linux Client.
- The Offline mail file is always installed to the user’s $HOME directory. Note: If the user’s home directory has more than two subdirectories in its path, i.e. /local/home/<username>, the installation will fail.
- If you have a problem installing, synchronizing, or going offline, and receive a message that one of these services is already running, you may need to reboot your system. After you reboot your system, remove files named httploaded, synching, or downloading in the /usr/tmp directory. Then, retry the operation that was failing.
- Your Notes id client password must be the same as your internet password for offline to work on the Linux Client. If they are different, you must change your internet password to match the password you use in the Notes client. To change your internet password, edit the internet password field on the Other tab in your person document in your mail server's Domino Directory.
- Going offline from servers running Single Sign On (multi-server session-based authentication) and SSL authentication using x509 client certificates is now supported. However, when going offline on Linux from a server with these security options enabled, the user will receive a prompt for the "Application Password" during the offline installation process. The user must enter the same matching internet/NotesID password at this time or synchronization will fail.
- There is no uninstall support for Domino Off-Line Services for Mozilla (on Linux clients). Use the following procedure to remove DOLS:

2. Shut down the browser.
3. From the console, type the following:

```
cd /$home
rm -fr inotes

cd /usr/tmp
rm*
```
To delete the Offline icon from the desktop, right click on it and select the "Delete" or "Move to Trash" option.

You can also remove the two files that are installed in your current Mozilla directory.

**Mozilla 1.3.1**

`/Emozilla directory3/components/npdolctlm.xpt`

`/Emozilla directory3/plugins/libnpdolctlm.so`

**Mozilla 1.4.1**

`/Emozilla directory3/components/npdolctlm32.xpt`

`/Emozilla directory3/plugins/libnpdolctlm32.so`

**Mozilla 1.7**

`/[mozilla directory]/components/npdolctlm32.xpt`

`/[mozilla directory]/plugins/libnpdolctlm32.so`

---

**Administrator Client, Server, Domino Web Access**

**Domino Web Access offline language issue**

The installed offline language will always match the language of the Domino Web Access template. For example, the French version of the Domino Web Access template uses the French language fileset, which is automatically downloaded and applied by the DOLS installation.

---

**Administrator Client, Domino Web Access**

**iNotes_WA_SametimeJavaConnect default setting is incorrect**

The Domino Administration 6.5.1 help incorrectly lists the default value for this setting. The setting values are as follows:

**Syntax:** iNotes_WA_SametimeJavaConnect=value

**Description:** Use this setting to use the Sametime Connect for browsers user interface, rather than the Domino Web Access chat user interface.

- 0 = off
- 1 = on

**Applies to:** All Domino Web Access clients

**Default:** 0

**UI equivalent:** None

---

**Administrator Client, Domino Web Access**

**iNotes_WA_STLinksCodebase=URL no longer applicable**

The topic "NOTES.INI settings for Domino Web Access with Sametime" incorrectly includes the setting iNotes_WA_STLinksCodebase=URL, which is no longer applicable.

---

**Administrator Client, Domino Web Access**

**Offline limitation using Netscape**

When you switch from Domino Web Access to WebMail in the cases below, offline support is no longer provided for mail databases based on the iNotes6.ntf. It is only available for mail databases based on the iNotes60.ntf and for browsers supported by the mail6ex.ntf template.

- Using the &ui=webmail switch in URL (for details, see the topic "Switching from Domino Web Access to WebMail" in these release notes).
- Selecting to use WebMail on an unsupported browser notice when you attempt to access Domino Web Access through unsupported browsers.
Administrator Client, Domino Web Access

**Rename process for the Domino Web Access user**

After a rename has been initiated by the administrator, successful completion of the process for a Domino Web Access user that has been issued a Notes ID (has a Notes certified public key located in their Person Document in the Domino Directory) requires that the user access their Notes ID. If the user's DWA mail file contains an imported copy of their Notes ID, either decrypting an encrypted message or sending an encrypted message will permit resumption the rename process. If an imported Notes ID copy is not present in the user's mail file, either importing one (required for utilizing Domino Web Access secure mail features) or accessing the Notes ID via a Notes Client will also suffice.

Administrator Client, Domino Web Access

**Sametime configuration for Domino Web Access**

For a full description of how to set up Sametime for Domino Web Access, see the topic Setting Domino Web Access with Sametime in the Domino Administrator help.

**Authentication schemes supported in the Domino/Sametime environment**

To use Sametime with Domino Web Access, you can use either the Domino Single Sign-On (SSO) Authentication, which generates Lightweight Third Party Authentication (LTPA) tokens, or use Secrets and Tokens authentication databases.

For Secrets and Tokens, simply replicate STAuthS.nsf from the Sametime server to the Domino server directory (Note: file names are case sensitive on Unix). Secrets and Tokens authentication is generated after the Domino server is started.

**Setting up a Sametime Server in a Clustered Environment**


**Sametime and Domino servers on the same domain**

To set up a Sametime server in a single Domino Domain with clustered Domino Web Access and Sametime servers and LTPA token:

1. Create a Sametime server cluster.
2. Create an LTPA token (enter all the servers that will participate in Single Sign-On).
3. Set HTTP Server Session Authentication to Multiple Server (SSO) with the LTPA token
4. Enter the Sametime cluster name in the Sametime server field of each Domino Web Access user's person document. **Note**: If you use this approach, you must create a mock Server Document with the name of the Sametime cluster. Another approach is to use the "Set an Instant Messaging server hostname for all DWA users" setting in the server Configuration document on the Domino Web Access tab.

**Sametime and Domino servers on different domains**

To set up a cross-domain configuration with the Sametime server and a Domino Web Access server on different domains:

1. Cross certify both domains with each other.
3. If you have set up single sign on (SSO), go to Step 4. If you do not have SSO set up, replicate STAuthS.nsf to the Domino Web Access Server (file name is case sensitive on UNIX servers).
4. Create a server document for the Sametime server in the Domino Directory of the Domino Web Access server, completing the fields below. Another approach is to use the "Set an Instant Messaging server hostname for all DWA users" setting in the server Configuration document on the Domino Web Access tab. If you use this setting, you do not need to complete Step 5; continue to Step 6.
   - Server name
   - Domain name
   - Fully qualified internet host name
   - Is this a Sametime server?
5. Enter the Sametime server name in the Sametime server field of each Domino Web Access user's person document.

**Note**: If the Sametime server is configured using a port other than the default port, then the "Fully Qualified Hostname" field must contain hostname:port.
Comparison Chart

<table>
<thead>
<tr>
<th>Supports</th>
<th>Chat Domino Web Access 5.x to 6.0</th>
<th>Instant Messaging Domino Web Access 6.5x with Sametime Server 6.5.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Mozilla/Netscape browsers</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Chat</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Meetings</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Multimedia</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Contact List records shared with other Sametime Clients, such as Sametime Connect, Notes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Browser Address**

The Sametime integration features rely on the ability of the browser to directly communicate with the Sametime server. This means that the fully-qualified Internet hostname of the Sametime server must be resolvable from the browser (for example, the fully qualified Internet hostname for a Domino server named IM/Acme might be im.acme.com).

Therefore, either DNS must be able to resolve this address or it must be resolved to the proper IP address by some other mechanism (such as editing of the local operating system's hosts file).

**Internet Explorer browser issues**

To use Sametime links in Microsoft Internet Explorer version 6, users must have the Internet Explorer JVM installed. The Sun Java plugin is not supported.

**Mozilla/Netscape browsers support issues**

You must be using Sametime server 3.1 or later.

**Troubleshooting Instant Messaging**

If Instant Messaging icons do not display in Domino Web Access mail and the Instant Messaging Contact List, check the following:

- The Sametime server is up running. To make sure stlinks is running normally, you can check the Sametime server directory \trace\stlinks.txt log file.
- All the ST**** services are up running. Check the control panel - services; all ST**** services should be running when the Sametime server has fully started. If there are ST**** services not running, start STComminity server first. If this service cannot be started, check the network connections and the Sametime server log file.
- The t\stlinks directory and the files are on both Sametime server and application server directories.
- The user has enabled Instant Messaging in Preferences.
- The user's Person document has been set up with the Sametime server names.
- Use the default tunneling port 8082 on the Sametime server. Changing this port number causes the Sametime connection to fail.
- Use the http:// protocol only for the Sametime server.
- If you are upgrading your Sametime server from 2.5 to 3.0 or 3.1 and stlinks is not working, remove the following file:

  `<drive name>:\Lotus\Domino\ibm-jre\jre\lib\ext\ibmjcaprovider.jar`

**To identify the current Sametime server version**

1. Type the following URL: http://<sametime server hostname>/stcenter.nsf if the Sametime server is running on a Windows platform. To avoid case sensitive issues on other platforms, search for the file under <sametime server directory>/data/stcenter.nsf and use the file name case as it shown there.
2. At the bottom of the page, click Administration Servers · Help · About Sametime

**Reference**


Sametime Integration does not work with JRE 1.4.1_05
Sametime integration with Domino Web Access does not work with JRE 1.4.1_05.

Selecting the Domino Web Access N/D 6 mail template
To access the new features in the current release of Domino Web Access (iNotes), including support for the Linux Mozilla browser, when registering new users, make sure you identify Domino Web Access as the Mail System, and in the advanced settings for Mail, choose Domino Web Access (6), which is the iNotes6.ntf Mail File template.

For more information on templates and installing Domino Web Access, see the release note "Installing Domino Web Access" in these release notes.

During User Registration
When registering users, in the Register Person -- New Entry dialog box, make sure the "Mail System" field is iNotes, and the "Mail file template" is Domino Web Access (6). For more information on registering users, see the Domino Administration Help.

In a Registration Policy Setting
When creating a Registration Policy Settings document, on the Mail tab under "Choose mail system," select Domino Web Access and for the field Mail Template, type in iNotes6.ntf. For more information on registering users, see the Domino Administration Help.

Spell check character set should match server OS
For Domino Web Access spell check functionality to work properly, the character set of the Domino server OS should contain the characters in the text being spell checked. If this is not the case, the spell check engine may not correctly interpret some characters.

Switching from Domino Web Access to WebMail
Users can switch from Domino Web Access to WebMail. A URL parameter setting (&ui=argument) is available to easily switch between WebMail and the Domino Web Access. The first example shows how to open a user's mail with the Domino Web Access user interface; the second example shows how to switch to a WebMail user interface:

http://www.acme.com/mail/jsmith.nsf?OpenDatabase&ui=inotes
http://www.acme.com/mail/jsmith.nsf?OpenDatabase&ui=webmail

When a user switches to a either Domino Web Access (ui=inotes) or WebMail (ui=webmail), that state is remembered on the server. If server is set up for basic authentication it affects all future URLs to this database.

Synchronize Domino Web Access Instant Messaging contacts
In previous releases of Domino Web Access, Instant Messaging contacts were stored on the mail server, and could not be synchronized with Instant Messaging contacts stored on the Sametime server. In 6.5.2, you can transfer your Domino Web Access Instant Messaging list to the Sametime server using the following procedure.

1. From Domino Web access, click Chat.
2. Locate your cursor in the white space in the Instant Messaging - Chat dialog box, and right click.
3. Select "Transfer contact list to ST server."
Temp directories are removed after Domino Web Access session

When the user opens an attachment in Domino Web Access mail, the document is temporarily stored in a temp folder. If a temp folder does not exist, Domino Web Access creates one. This folder is deleted when the user ends (logs out of) the Domino Web Access session.

Using Attachments in Domino Web Access

The following describes using Attachments with Domino Web Access:

Attachment Size Limit

Attachment size is based on two parameters that the administrator defines in the Server Document:

- Internet Protocols - HTTP tab, HTTP Protocol Limits section, "Maximum size of request content" field (10000 kilobytes is the default)
- Internet Protocols - Domino Web Engine tab, Post Data section, "Maximum POST data" field (10000 kilobytes is the default)

If your attachment's size exceeds the limits above, your web browser may hang. Please consult your server administrator for your server's maximum attachment size.

Editing of Entries with Attachments using both Notes and Domino Web Access

Domino Web Access does not allow the updating of attachments in repeating to do entries and repeating calendar entries. We recommend that users do not update the attachments with the Notes client if you will also be using the Domino Web Access client to interact with these entries. If you do so, you may encounter Domino Web Access warning messages when you subsequently interact with these entries with your Domino Web Access client.

Using Domino Web Access Redirect with portal views

If you have enabled Personal Options for users to display Domino Web Access in portal views, you should also enable the Logout and Offline buttons in the portal views using the following NOTES.INI variables:

```ini
iNotes_WA_PortalLogout=1
iNotes_WA_PortalOffline=1
```

WebSphere Edge Server reverse proxy does not support GZIP

The GZIP compression feature is not supported by the WebSphere Edge Server reverse proxy.

Java-based server setup

Server

Dialup settings in Additional Server Setup

The new Domino Java Setup does not yet have functionality to configure the settings on a dialup port. When users select the "Use a dialup connection" checkbox on the "Provide the Domino Directory" screen, they are presented with the "Advanced Domino Services" screen. Here they can provide the phone number of the First Domino server to connect to via modem, select the COM port to use, and select from a list of modem drivers. There are also two buttons that are currently not enabled. These are: Configure Port, and Connect Script. These buttons will currently display a window stating "This function has not been implemented yet". When they are implemented they enable users to configure settings on the COM port and use automated scripts for dialup connections.

If it is absolutely necessary for a user to configure port settings in the Additional Server setup, then it is possible to use the old setup program. This still has the original capability for configuring ports and using connection scripts. See the release note titled *New* Domino Java Setup Program for directions on accessing the old setup program.
Server

**Domino Directory file names other than "names.nsf"**

The new Domino Java Setup program currently does not allow Additional Server setup against a First server that has a Domino Directory with a filename other than "names.nsf".

Domino has a feature which allows users to rename the Domino Directory on a server by using the notes.ini parameter "Names=<filename>". This tells the server to look for the Domino Directory in the indicated filename. However, if a First Server is using this feature, Additional Servers will not be able to connect to it successfully for setup. The Additional Server setup will fail with an error stating that the "File does not exist", meaning the names.nsf file.

Designer, Server

**NCSOW.jar and NCSOC.jar removed from the kit**

In previous Notes/Domino releases the archive NCSOW.jar was provided so the CORBA-remoted lotus.domino classes could be used by a Java application that was running in Websphere. This was done to eliminate class conflicts that would otherwise exist if NCSOW.jar or NCSOC.jar was used. The class conflicts have been eliminated and the Notes/Domino kit no longer has the NCSOW.jar archive.

In addition, the NCSOC.jar archive is also removed from the kit. In Release 5, the kits provided two JAR archives. One was compressed and the other was not compressed. In Notes/Domino 6 there is only one JAR archive that is compressed.

For review, the following NCSO archives are being included in the Notes/Domino 6 kit. They all have identical contents. The difference is the way they are packaged:

CORBA-Remoted lotus.domino API Archives:

<table>
<thead>
<tr>
<th>Archive</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCSO.jar</td>
<td>Archived using the JDK JAR utility with compression.</td>
</tr>
<tr>
<td>NCSO.cab</td>
<td>Archived using the Microsoft CABARC utility.</td>
</tr>
</tbody>
</table>

Server

**Reusing ID's in Domino Setup**

The Domino Server Setup program allows users to reuse Server ID's, Certifier ID's and Admin User ID's from previous Domino Servers. This in effect allows an admin to recreate a server's identity in a clean server installation.

For Lotus Domino 6, when a user selects the checkbox that allows them to reuse an existing ID file, it does not change the existing fields on that screen. For example, after checking the box to reuse an existing Server ID file, the servername field is still blank. This also happens with the Organization field (which would get information from the Certifier ID) and the Admin User Name field. If a user enters conflicting information in these fields it will corrupt the server setup. It is important that the information added to these fields accurately match the information contained in the ID files.

Server

**Unlocking Unix system displays for running Domino Java Setup**

Most Unix systems create new shells with access control turned on by default. This will result in any application that tries to create a window (such as the new Domino Java Setup program) to fail with Xlib errors.

In order to unlock the system display, make sure that you are logged in as the user that will be running the application, and then type the command:

```
xhost +
```

This will disable the systems access control and make it possible to launch the Domino Java Setup program.
Below is an example of the error messages generated when attempting to launch Domino Setup without disabling access control first:

Xlib: connection to ":0.0" refused by server
Xlib: Client is not authorized to connect to Server
Exception in thread "main" java.lang.InternalError: Can't connect to X11 window
server using ":0.0" as the value of the DISPLAY variable.
Please edit your shell's DISPLAY environment variable to reflect an unlocked
terminal that you would like to launch the Domino Setup Program on.

Also, you will need to make sure that your shell's DISPLAY environment variable points to the x-windows session that you are running on. For example, if you have connected to another system via telnet, you will need to change the DISPLAY variable to point to the system that you are working on. Remember to include the port number of the system display (ie: systemname:0.0).

Server

Windows 2000 - Wrong path to save admin.id
When setting up the Domino server, and selecting the option "save admin.id", the path shown should be the server path, but is not.
Administrators need to manually configure the correct path to save the admin.id file.

Server

Domino 6 Remote Server Setup requires Java 2 Version 1.3.1
As stated in the topic "Using the Domino Server Setup program remotely" in the Lotus Domino Administrator 6 Help database, it is necessary to have the Java Run Time Environment (JRE) installed on workstations being used for the Remote Server Setup feature when Notes or Domino 6 is not installed.

The version of Java that is included with installations of Notes/Domino 6 is Java 2 version 1.3.1_02. This is the version that the Remote Server Setup feature is compatible with. It has been found that when using the Java 2 version 1.4.1 JRE, some problems may occur in the Java Setup program. For example, on the Domino Advanced Services panel, the list of Domino Services is not populated. Also, the ability to use to tab button to move from field to field seems to be disabled when using this version of Java.

Workaround
When using the Remote Server Setup feature on a system without a Notes or Domino installation, make sure that the version of the Java Run Time Environment is Java 2 version 1.3.1. This version allows the Remote Setup feature to function normally.

Server

Domino Profile Setup can't get System databases from filesystem
The Domino Server Setup program has an option for setting up an Additional Server that allows the user to obtain the server's system databases from the filesystem, including a CD, or a network drive, instead of replicating them from the Domain Server. This option can be selected on the panel entitled "Provide the system databases for this Domino Server", with a checkbox field called "Get system databases from CD or other media".

The Domino Server Setup program also has the ability to record a Server Setup Profile, which will record the information for a server configuration is a file that can be applied either locally or remotely, as well as with a -silent option. Applying this Server Setup Profile will configure the server specified using the configuration information that was recorded.

Currently, a problem exists with the Server Setup Profile recording process that makes it unable to retain the option "Get system databases from CD or other media" when it is selected. If a user selects this option while recording a Profile, it will not be applied when a server is setup using that Profile.

The workaround to this problem is to either allow the Server Profile Setup to obtain the system databases from the Domain Server (which requires that the Domain Server specified be running and reachable over the network), or to perform the Server Setup (locally or remotely) without the use of the Profile.
Server

Linux - Using Bi-Di organization name will cause setup to freeze
During the set-up of Domino for Linux, using Bi-directional characters for the organization name will cause setup to freeze.

Workaround
Use the remote server setup feature on a Windows machine to set up Domino for Linux. For more information about remote server setup, please refer to Lotus Domino Administrator 6 Help.

Server

Remote server Setup from Unix to W32 cannot be Silent
When attempting to perform a Remote Server Setup, using a Unix system as the Remote Setup client, the program will have problems setting up a Server on a W32 system (Windows 2000 or Windows NT 4).

This only occurs when the user attempts to use the "Silent Setup" option. This would be invoked with the following command-line:

```
remotesetup <serverhost> -silent <path to Setup Profile> =<path to notes.ini on serverhost> -pb
```

The problems occurs this way because the Silent Setup option requires a path to the notes.ini file for the server being setup remotely. However, when the Remote Setup client is on a Unix system, it is unable to interpret a W32 path, such as "C:\Lotus\Domino\Data\notes.ini". This causes the Setup program to write the following error message to the errorlog.txt file (where Silent Setup log output is written):

```
Could not find 'notes.ini' as specified on command line
```

The workaround to this problem is to use the Remote Setup client on Unix system in GUI mode only. If a Profile is to be used, then the "playback" option can be given to the remotesetup command as follows:

```
remotesetup <serverhost> -playback
```

or

```
remotesetup <serverhost> -pl
```

This will allow the user to manually select the serverhost to be setup, and then to proceed through the Profile in GUI mode on the remote Unix client system.

Administrator Client, Server

JavaConsole supports maximum 236 character directory name
JavaConsole for Domino server 6.0.x or 6.5 supports fewer characters than the Domino server does for Domino program directory or data directory names.

In Domino 6.5.1, JavaConsole has been fixed to support up to a maximum of 236 characters for a directory name (program or data directory).

Administrator Client, Client, Server

JVM is required to view Notes Web pages
The Java Virtual Machine (JVM) is required for viewing Notes Web pages. For additional information, see "Java support on Win32" in these release notes.

Designer, Server

NCSO.jar now requires a Java 2 environment
Formerly, NCSO.jar contained a number of classes from the org.* package. Starting with the 6.0.2 release NCSO.jar/NCSO.cab will no longer include any of these classes. This is due to the discovery of several cases where the classes in question were conflicting with classes that now ship with the Java run-time. Consequently, NCSO.jar now requires the client or browser have access to a Java 2 environment.
Roaming User setup

After name change, ACL of roaming databases need to be updated

After a name change for a roaming user, the Administration Processes on the server need to update the ACL of the roaming databases for that roaming user with the name change. If that roaming user attempts to setup a client machine before the ACL of his roaming databases have been updated, they may not be able to set up.

The user should contact his system administrator and request the ACL of his roaming databases be updated manually instead of waiting for the Administration Process to complete the ACL update.

Before upgrade Roaming Databases must be in Notes Data directory

Before you ask your Server Administrator for the privileges to become a roaming user, make sure that ALL of the databases that roam (your Personal Address Book, Bookmarks, and Personal Journal databases) are located in your Notes Data Directory. These databases must also have the default file names of names.nsf, bookmark.nsf, and journal.nsf.

Changes to Roaming Cleanup Setting only propagated during Setup

If a Server Administrator changes the Clean-up setting for a Roaming user, after that roaming user has setup on a machine, the modified clean-up setting won't propagate to that machine. However, the next time the same roaming user sets up, the modified setting will propagate to the machine.

Dynamic client configuration needed for upgrade to roaming user

The roaming user feature requires the use of Dynamic Client Configuration (DCC). If you have used the NOTES.INI setting DisableDynConfigClient=1 to disable DCC, remove that NOTES.INI entry or comment out the entry in the NOTES.INI file and then restart the client. If DCC is disabled, the end-user is never prompted as to whether they want to upgrade to roaming status; therefore, the administration process does not generate the administration requests that are required to perform the upgrade to roaming status. This applies only to upgrades to roaming status; it does not apply to new roaming user setups.

Note To comment out the NOTES.INI variable, type a semicolon (;) at the beginning of the NOTES.INI setting.

If User Dictionary or ID file are busy, changes won't roam

If you are a roaming user and your user.dic or user.id file is busy when scheduled replication replicates a change to these files, the busy files will not be updated with the change. You will need to make the change manually to the files after they are closed.

Location must point to server address if LAN connection needed

If you have trouble upgrading to roaming from a location that requires a Local Area Network connection document to connect to the roaming server, make sure the current location document contains the complete host name in the Home/mail server field on the Servers tab of the Location document.

For example if your LAN connection document contains serverx.ibm.com in the Destination server address field, your current location document should contain serverx.ibm.com in the Home/mail server field.
May get wrong message if non-roaming database fails to replicate
If you are a roaming user with a cleanup option, and local databases other than your roaming databases fail to replicate with a server other than the roaming server, you will get the following message:

"Failed to replicate with the roaming server. Abort the next scheduled cleanup?"

This message is somewhat incorrect, because the failure was for a non-roaming database to a server other than a roaming server.

Need to downgrade and upgrade to change Roaming ID storage
To change the storage of a roaming user's user.id file, the user will need to be downgraded first. Then, when the user is upgraded to roaming, the user’s ID storage option for roaming can be changed via the Roaming Upgrade tool. The option "Store user ID file in personal address book" can be turned on to store the ID in the Personal NAB, or turned off to require the user to carry their ID on diskette.

Roaming ID’s have extension of .id, and will be called user.id
Your roaming user ID file must have an extension of "*.id" if you want changes to that ID file to roam. The file name of the ID file that is attached to the personal NAB for roaming is always called "user.id", even if the file is named something like "myname.id". You may notice this upgrading to a roaming user.

If, for example, your ID file is called "myname.id", when you upgrade, the roaming ID file that is attached to your Personal NAB for roaming will be called "user.id". When you roam to a new machine the ID file will be roaming as "user.id".

Roaming password changes to Mac need to disable keychaining
If you are roaming user that is setup on a Macintosh, and you make a password change with password keychaining enabled, you will get a message indicating that the wrong password has been provided:

"Wrong Password (Passwords are case sensitive - be sure to use correct upper and lower case.)"

If you Click "OK" the dialog will continue to display. The keychain is providing the old password when Notes now needs the new password.

To work around this, a user will need to temporarily disable password keychaining in Notes. This can be done by opening the Macintosh "KeyChain Access" application and removing Lotus Notes from the list box. After removing Notes from the list, the password dialog is displayed, the user can type in the new password, and replication completes with normal functionality restored.

Roaming Server and Roaming Replica Servers
The "Roaming replica servers" and "Roaming server" fields, as specified in the Roaming tab of the person document of the Domino Directory, can only be changed via an Administration Process. To change these fields, a roaming user must be downgraded and, using the upgrade tool, an administrator can specify different values for these fields.

A server listed in the "Roaming replica servers" field can be used to failover to during setup of a roaming client, if the "Roaming server" is not available. The servers to failover to during roaming user setup must be listed in the "Roaming replica servers" field. However, if a roaming user wants additional servers for roaming database failover, strictly for the purposes of replication, replicas can be manually created on other servers.

Keep in mind that these additional replicas will not be used during roaming user setup if the "Roaming server" or "Roaming replica servers" are not available.
Client

Roaming server must be available for upgrade
Notes will not upgrade the first or subsequent client machine to roaming using "Roaming replica servers"; the "Roaming server" must be available. These fields are specified on the Roaming tab of the users person record in the Domino Directory.

Client

Roaming user should authenticate with 6.0 Server when setting up
In a mixed server environment with Domino 6.x, 5.x, and/or earlier servers, when a roaming user is setting up their Notes client, they should authenticate with a Domino 6.x server. Otherwise, if the user stores their user.id file in their Personal NAB, and authenticates with a pre-6.x server, Notes will prompt for a user.id file, rather than pulling the file out of the user's Personal NAB on their roaming server.

Please note in this situation that, after providing the user.id file on disk, setup will proceed as expected and the user will be able to roam.

Client

Roaming users should always replicate changes to roaming server
Roaming users can modify replication settings such that replication is disabled for roaming databases. This could result in data loss, particularly if that user has a cleanup option set.

We highly recommend that all roaming users replicate roaming data to the roaming server whenever they shut down Notes.

Client

Roaming users should not use gridded bookmarks
Roaming Users should not use gridded bookmarks as their Home Page, as Notes may not function as expected. To work around this problem, users can reset their Home Page to either the Welcome page, or some other database.

For example, to reset the Home Page to the Notes Welcome Page, open the "Favorite Bookmarks" folder and right-click on the 'Welcome' database icon. Select "Set Bookmark as Home Page".

Administrator Client, Client

Setup policies are not supported for roaming users.
User preferences will not be set correctly when roaming from one machine to another if the user uses policy settings for their initial setup.

Administrator Client

Specify roaming user directory path in Roaming Upgrade dialog
When upgrading a user from non-Roaming status to Roaming, the administrator is provided with the option of specifying a unique folder path for the user's roaming files. This path must be relative to the data directory on the roaming server, and should not begin with a leading "\" (slash) or driver letter. The results of this action will cause the roaming upgrade to fail and leave the user in an In-progress state in the roaming tab of the person document for the target user.

Client

Turn off Password Checking for roaming users if unable to set up
If you are a roaming user with password checking enabled, and the grace period has expired, you will not be able to setup the Notes client.

Contact your system administrator and request that password checking be turned off temporarily for your account. After you've changed your password and replicated, the administrator can enable password checking again for you.
Client

**User Dictionary won't roam between different native platforms**
The user.dic file will only roam between the same native platform. Notes determines the native platform on which the user.dic file will roam either when you first set up as a roaming user, or when you first upgrade to roaming.

For example, if the machine on which you first set up Notes, using your roaming user account, is a Windows 32 platform, then your user.dic will only roam between W32 platforms; it will not roam to a Macintosh platform.

However, if you do roam to a Macintosh platform, you can still create a user.dic, but you won't be able to roam that dictionary to the W32 platform.

Client

**Win95/98 - Roaming users only cleaned up when another user exits**
On Windows 95 and 98 machines, Roaming Users with periodic cleanup will only be cleaned up when another Windows user exits Notes. Therefore, a Roaming User with a cleanup delay of 2 days may not be cleaned up in 2 days. That user may, for example, be cleaned up in 30 days if the next time another user exits Notes on that machine is 30 days later.

This note does not apply to NT, 2000 or XP.
Chapter 3 - Troubleshooting

Installation issues

Administrator Client, Client, Designer

**No error checking for a Replication field setting**

Currently, there is no error checking for the field "Replication Interval and Additional Interval for high-priority databases" in the replication dialog during setup. If an invalid or incorrect time was entered in this field during setup, simply edit the location document once setup completes and adjust the time.

Client

**Multiple User Client Installation information**

Following is general information about the new Multiple User Notes Client installation feature:

- A Multiple User Install must be performed by someone with Administrative rights to the machine.
- When installing a Multiple User Install, you will need to launch Notes Minder from the program directory. The shortcut for Notes Minder that appears in the Start Menu, currently isn't working.
- You can now upgrade an existing 4.x and 5.x Single Client Notes install to a Multiple User install if you have Administrative rights to the machine. Be aware that this just preserves and renames the Notes.INI and leaves behind your old data directory. You will need to run through setup again and manually move any old data you wish to reuse. For an existing Lotus Notes 6 Client, you can also perform this procedure for Windows XP, Windows 2000, and Windows NT platforms only.
- User Profiles must be enabled on Windows 98 & Windows Millennium Edition. Windows on-line help for this feature is called "Enabling multiple users to personalize settings".
- The Multiple User Installation option applies only to the Notes Client and is therefore only found in the Notes kit. The Designer and Administrator Clients aren't supported with a Multiple User Install (not even during upgrade scenarios).
- Installing a Shared install and selecting a Multiple User Installation through a transform isn't supported. This is also documented in the Install documentation.

Administrator Client, Client, Designer

**Windows 2000 Single Logon password synchronization**

Due to the group policies feature in Windows 2000, you may encounter an erroneous error message when synchronizing passwords for the Notes Single Logon feature if your Windows 2000 password is too short.

Specifically, if Notes prompts you to change your Notes password because it does not match your Windows account password, you may receive this error message after entering your Windows account password:

"Unable to set your Windows password successfully. You must manually change your Windows password to match your new Notes password."

This message can be safely ignored. The password synchronization will still take place and there is no loss of functionality.

To avoid the error message, simply click the Cancel button when prompted to enter your Windows account password.
Administrator Client, Client, Designer

**Single Logon - Need Admin rights and restart after install**

You need to have Administrator rights on your operating machine in order to install the "Single Logon" feature. If you have selected the "Single Logon" feature during a Notes Client installation, simply restart your computer to enable the "Single Logon" feature. You will no longer be prompted to enter a password when launching the Notes Client.

Administrator Client, Client, Designer, Server

**Install issue with OLEAUT32.DLL and OLEPRO32.DLL**

For NT 4.0 users:

If you are using Service Pack 3 for NT 4.0 or earlier the following error may occur when launching the Notes client - "the ordinal 127 could not be located in dynamic link library oleaut32.dll". In order to resolve this issue you need to upgrade to at least Service Pack 4 for NT 4.0.

For Win95/Win98 users:

Win95/Win98 clients may get an error about missing OLEAUT32.DLL : "Unable to invoke program" box, and then "The NNOTESWS.DLL file is linked to missing export OLEAUT32.DLL:97". This is due to having an older version of OLAUT32.DLL, OLEPROC32.DLL and OLE32.DLL. At a minimum, customers need to have the below files with the same version or later. You need to match up the size, date and version to be sure. Dll's older than what is listed below will not work with Domino 6.

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Date</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLAUT32.DLL</td>
<td>585K</td>
<td>6/2/98</td>
<td>2.30.4261</td>
</tr>
<tr>
<td>OLEPROC32.DLL</td>
<td>161K</td>
<td>6/2/98</td>
<td>5.0.4261</td>
</tr>
<tr>
<td>OLE32.DLL</td>
<td>757K</td>
<td>7/13/98</td>
<td>4.71.2618</td>
</tr>
</tbody>
</table>

Microsoft has a patch utility which will update these files and several other for Windows 95 and Windows 98 (note two separate links depending upon the version of Windows).

For Windows 95:

http://www.microsoft.com/com/dcom/dcom95/download.asp

For Windows 98:


Administrator Client, Client, Designer

**Scriptable Client Setup & dialup connections**

The Scriptable Client Setup feature supports connecting to a Domino server via a Remote Access Server (RAS) dialup connection. However, it is best not to use this feature if a network login domain is required to make this connection. When this login is required, there will be multiple failed dialup attempts until the configuration screen displays, allowing the user to enter the login domain. At this point, the dialup connection will be made successfully and Client Setup will complete.

In addition, the Scriptable Client Setup feature does not support the ability to access the Domino server via direct dial and also access Internet accounts via a Remote Access Server (RAS) dialup connection. This combination will result in dialup errors and Client Setup will not be successful. The two connection types can be used independently of each other, but not together. To configure a Client in this way, it is recommended that the user perform a Client Setup without the use of the Scriptable Client Setup feature.
Server

**Data Transfer Error during installation**

If you receive a Data Transfer Error dialog box during a Windows 95/98/NT/2000 installation, exit the install and shut down all other applications. In most cases, this is due to a .DLL (Dynamic Link Library) file that is still in use while the install program is trying to update it. It may also help to log off the system and log in again before retrying the installation.

**Example Data Transfer Error dialog box:**

```
Data Transfer Error Information

Component Error returned the following data transfer error.
Setup will now abort.

Media Name: DATA
Component: Domino as an NT Service
File Group:
File:  
Error Number: -115
```

Client, Server

**Full-text indexes must be rebuilt upgrading to Notes/Domino 6**

Existing R5.0.x full-text indexes are not compatible with the current release. On both the Client and the Server, full-text indexes must be rebuilt.

Client

**Macintosh Client Error "...'NotesLib' could not be found"**

If Virtual Memory has been turned off, you may encounter this error message when launching Notes: "The application 'Notes' could not be opened because 'NotesLib' could not be found."

To correct this problem, go to the Control Panel for Memory and enable Virtual Memory. It is recommended that the total Virtual Memory should not be set to more than twice the physical memory of the machine.

Administrator Client, Client, Designer

**Time Range cannot span midnight for Client Setup**

During Notes Client Setup, there is a dialog that allows users to configure a Replication schedule. There is a known problem when a time range that spans midnight is entered on this dialog. Doing so will result in the time range being reversed. For example, if the user enters 11:00 PM - 03:00 AM in the Replication schedule dialog during Client Setup, the time range will be reversed to read 03:00 AM - 11:00 PM.

The user may not notice this time change in the dialog, but it can be easily corrected by opening the local Address Book, going to the Advanced -> Locations view, and manually editing the time range in the relevant location document(s).
**Win95 - Client install requires 'shfolder.dll'**

The Notes Client install will be unsuccessful if you are running the Windows 95 or Windows 98 pre-Second Edition operating systems. If you try to install the Notes Client on these operating systems, you may encounter this error message:

```
Data transfer error information

ComponentError returned the following data transfer error
Setup will now abort

Media Name: data
Component: Program Files\Self Registered
File Group: ProgramFilesSelfRegistered
File: e:\notes\6.0\nsxbe.dll
Error Number: -119
```

This is caused by a missing system file, 'shfolder.dll', which is included in Windows 98 Second Edition, Windows Millennium Edition, Windows NT, and Windows 2000. Installation to these newer operating system versions will be successful.

**Error 1607: Unable to install InstallShield Scripting Runtime**

If attempting to install or upgrade your client installation and you receive the following error message:

"1607: Unable to install InstallShield Scripting Runtime"

try one of two things.

- Open the Windows Task Manager (or use Ctrl+Alt+Delete on Win 95/98) · if present, end the msiexec task and attempt the client installation again.
- or

- Restart your system and attempt the client installation again.

If this doesn't work · see the install troubleshooting release note "If the client install fails while installing".

**For verification of a silent install, add "+" to the command**

To display a prompt when the installation is complete, or when it fails, use the (+) parameter at the end of the command. Here is an example:

```
setup.exe /s /v"/qn+"
```

**If the client install fails while installing**

If the client installs fails while installing users should attempt to install the Windows Installer directly using the following files in the install directory:

- instmsia.exe · Windows Installer Redistributable for Windows 95 and 98
- instmsiw.exe · Windows Installer Redistributable for Windows NT 4.0 and 2000

In some cases, doing so will give an Internal Error 2203 · this indicates the same issue of not having sufficient system permission's set as in this Microsoft knowledge base article:

http://support.microsoft.com/default.aspx?scid=kb;EN-US;q296056

Other error messages can be searched for in the Microsoft knowledge base.
Errors you may encounter include:

- 1603: Error installing Windows installer engine. A file which needs to be replaced may be held in use.
- 1607: Unable to install Install Shield Scripting Runtime.
- Internal error 1601 -- could not install scripting runtime.

If you can successfully install the Windows Installer itself, then installing the client with verbose logging may point you to where or why the install is failing.

From a command line launch the installer with the following parameters:

```
setup.exe /v"/L*v c:\temp\install.log"
```

Client

**Mac OS X - Problems connecting to network drives**

There is a known problem with earlier versions of Macintosh OS X which results in crashes when connecting to some network drives. This is a Macintosh Operating System problem which has since been fixed. **Please upgrade to Macintosh OS 10.1.5 to avoid these network connectivity problems.**

If you are running an earlier version, you may encounter this problem when trying to install the Macintosh Client from a network drive, or when trying to locate a user id on a network drive during initial Client Setup. To avoid both problems, either upgrade to Macintosh OS 10.1.5 or simply copy the Notes Macintosh install kit and your user id to a local drive before proceeding.

Client

**Macintosh - Don’t rename the Notes Install Disk folder**

When downloading Notes 6 from the web onto your Macintosh, accept the default selection for the Notes Install Disk folder because the installer requires this folder to be named as such.

Client

**Macintosh OS X - Install folder to desktop**

When installing your Notes client on Macintosh OS X, it is advised that you either place your Lotus Notes folder on your desktop or copy your user id to your personal Documents folder so it can be easily accessible during Client setup.

Administrator Client, Client, Designer

**Notes Single Logon & Windows Terminal Server/Client**

The Notes Client Single Password Logon feature is not currently supported for use with the Windows Terminal Server/Client feature.

Server

**Please Replace (not Refresh) design for the Mail Journaling db**

Due to a change in the spelling of the template name used to inherit the design from, you should Replace (not Refresh) the design of your current Mail Journaling (mailjrn.nsf) database with the new Mail Journaling (mailjrn.ntf) template.
Renaming desktop icons will have to be manually deleted

After installing the Client, new desktop shortcuts will be created for the Notes, Designer, and Administrator Clients. If you rename these desktop icons to customize them, you will need to manually delete them after uninstalling the Client. If you are upgrading an existing install that currently has desktop shortcuts that have been renamed, the old shortcuts will no longer work. Simply remove them from your desktop and use the newly created shortcuts.

Server

Server upgrade may not remove obsolete files.

On clean installs of an earlier release of Domino 6 (Pre-release 2), there was an installation issue, in that no string values were added to the registry. The registry keys HKEY_LOCAL_MACHINE\SOFTWARE\Lotus\Domino and HKEY_LOCAL_MACHINE\SOFTWARE\Lotus\Domino\6.0 were added, but had no information set beneath them.

The workaround is to add two string values under HKEY_LOCAL_MACHINE\SOFTWARE\Lotus\Domino before attempting an upgrade, otherwise the install will proceed as if it’s a fresh install, and not try to remove any old or obsolete files. Add a string value called Path, and set it to the currently installed program directory; add another called DataPath, and set it to the currently installed data directory. NOTE: Path and DataPath are string values and not subkeys.

Any previous upgrades to Pre-release 2 should have retained the setting under HKEY_LOCAL_MACHINE\SOFTWARE\Lotus\Domino, regardless of the previous version.

UNIX - Previously installed language pack should be removed

When installing the Domino Server for Domino 6, you may get a warning message if LangPack has been installed in a previous version of the Domino Server. The warning message appears so that you will be aware that you have a version of Language Pack Installed and that the installation you are now performing will override all previously-set Language Pack modifications.

If you want to continue installing the Domino 6 Server, regardless of the impact on the Language Pack Installer modifications, remove the line "LangpackData=LangPack.DAT" from the NOTES.INI file in the Domino Server data directory.

UNIX - remote install causes different ownership of files

After remote install is completed, change ownership of files in the notesdata and notesdata/help directories to appropriate user.

Upgrading or installing Notes 6 after a disk failure

If you install or upgrade to Notes 6 after experiencing a disk failure, you cannot specify the client installation location. This issue is caused by the Microsoft Windows Installer. To specify another location to install your Notes client(s), following these steps:

1. Click Start, then choose Settings - Control Panel.
2. Double-click the Add/Remove Programs icon.
3. In the Add/Remove Programs dialog box, select Lotus Notes 6, then click Add/Remove.
4. Follow the installation wizard to repair your current installation.
5. Copy the missing files (Lotus Notes 6.nsi & Data1.cab) into C:\WINNT\Installer\.

The error dialog boxes tell you which files are missing or are needed to remove the missing installation.
Administrator Client, Client, Designer, Server

**Windows Explorer shows the old brand icons for Notes/Domino**

After installing Notes/Domino 6, if you notice that applications such as Windows Explorer are still displaying the old brand icons for Notes and Domino, please refer to the Microsoft Knowledge Base article:

http://support.microsoft.com/default.aspx?scid=kb;en-us;Q133733

Windows uses the file ShellIconCache to cache icon files for performance reasons. This file can be out of sync or damaged, causing Windows to display the wrong icons in items like Windows Explorer; the article referenced above explains how to correct this problem.

**Server**

**Domino 6 Setup overwrites ServerTasks line in Notes.INI**

Occasionally users will want to reconfigure the settings for a Domino Server. This is sometimes done by deleting most of the contents of a Notes.INI file, and relaunching the Domino Setup program. However, the Domino 6 Setup program will add a new "ServerTasks=" line to the Notes.INI file, which some users may want to preserve from their previous server.

In this case, a Notes.INI variable has been created that will prevent the Domino 6 Server Setup program from overwriting any existing ServerTasks lines in the Notes.INI file.

Simply add this line to the Notes.INI before running the Domino 6 Server Setup program:

```
SetupLeaveServerTasks=1
```

This will preserve the original ServerTasks line in the Notes.INI file while the new Domino 6 server is configured.

**Server**

**Back button error in silent install for partitioned server**

Due to a third party software bug, if you select the Back button when recording a silent (automated) install for a partitioned server, you will receive an result code of -12 (dialogs are out of order). The silent install will fail to run.

You must re-record the silent install without selecting the Back button.

Example setup.log file containing the error:

```
[InstallShield Silent]
Version=v5.00.000
File=Log File

[Application]
Name=Notes
Version=5.0
Company=Lotus
Lang=0009

[ResponseResult]
resultCode= -12
```

**Client**

**Macintosh - Macintosh Installer and Notes ALM feature**

The Notes ALM feature is supported on Macintosh OS 9.x only - it is not supported on Macintosh OS X. The Macintosh Installer installs the Notes ALM feature by default when using the Notes Easy Install option. The Notes ALM feature is also listed as an available option when using the Notes Custom Install option.

To prevent installation of this feature on Macintosh OS X, please use the Notes Custom Install option and leave the "Notes ALM" install option deselected.
**Notes/Domino 6 cannot be installed into a non-ASCII name folder**

Notes/Domino 6 cannot be installed into a directory/folder with a non-ASCII name; please use an ASCII name for the directory/folder name to install.

**Server**

**R4.x Server has problems upgrading to Domino 6**

The Notes Server release 4.x had the capability of installing a Notes Workstation along with the Notes Server. These two programs shared a common Program directory, Data directory, and Notes.INI file, which was installed to the OS system directory on windows platforms (such as C:\WINNT). Because only one Notes.INI could reside on a system, installing a separate Server and Client on the same system was not supported.

Some users may have tried to workaround this by copying the Notes.INI from the OS system directory to the installation path (such as the Program Directory) of the server, and then installing a Notes Workstation to a separate location on the system. This would functionally allow for two installations to reside on the same system. However, this configuration is not supported for future versions of Notes/Domino.

In Domino 6, it is required that a Domino Server and Notes client not share installation paths. Thus, installing a Domino 6 Server to C:\Lotus\Notes, and then install a Lotus Notes client to C:\Lotus\Notes is not supported. Notes/Domino 6 requires that users install these two program to separate locations in order to them to function normally. However, the may be installed on the same system, because the Notes.INI files are located with the install path of each program.

When upgrading a Notes R4.x Server, the Domino 6 installer will not upgrade workstation files, if they exist. Domino 6 will also not remove these files. The workstation files, and the shortcuts to them, will be left behind after upgrading to Domino 6. Shortcuts and links to these files should be removed, since their use is no longer supported.

In order to replace the R4.x workstation, it is necessary to install a Notes 6 Administrator client to a separate location.

In the case that a user has modified an R4.x Server installation so that the Notes.INI is located anywhere other than the OS system directory, upgrading to Domino 6 will not function properly. If the Notes.INI file is detected in the OS system directory, the Domino 6 installer will copy it from the OS system directory to the Program directory. If the Notes.INI is not found in the OS system directory, the Domino 6 installer will create a new Notes.INI in the server's Program directory.

**Administrator Client**

**Upgrading Single Logon Install still has this feature enabled**

If you currently have an existing Single Logon Notes install you’d like to upgrade, it is advised that you enable Client Single Logon again during the upgrade.

If you no longer would like this feature enabled on your operating machine, please uninstall the existing Single Logon Notes, and perform a clean install without this feature enabled.

**WebAdmin - no route to the destination address**

When loading the Domino Web Administrator from a server running on Linux, you may see the following error message:

Notes error: No route is known from this host to the destination address.

Look to the "Linux - Default network queue parameter should be reset" Release Note for a possible solution.
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes
Chapter 3 - Troubleshooting

Administrator Client, Client, Designer

**Instant Messaging Proxy Password doesn’t flow through**

Beginning with Notes 6.5, there is a new IM Setup dialog that allows users to configure Instant Messaging for use within their Notes Client. This dialog will display during a new Client Setup as well as upon launching the Notes Client after upgrading to the latest release.

If the user happens to select 'Use Proxy' as the Instant Messaging Protocol, and enters a Proxy Password in the dialog, the Proxy Password will not flow through to the user's location documents. To correct this, simply edit the location documents; go to the Instant Messaging tab, and click the 'Set Proxy Password' button. A dialog will display, allowing the user to enter their IM Proxy password.

Administrator Client, Client, Designer

**Scriptable Client Setup for Roaming Users**

Some special factors should be taken into consideration when using the Scriptable Client Setup feature for Roaming Users. Because the Roaming User is configured to store many settings in their roaming databases, some Scriptable Client Setup variables may not be ideal for use in combination with Roaming Users. Below are some examples:

- It is recommended that the `KeyFileName` variable not be used for Roaming User Client Setups. This variable is used to point to a specific user's ID file. Since the Roaming User's ID file is stored in their roaming address book, the ID file will be automatically pulled from this roaming database during a Client Setup. As a result, this variable is irrelevant for Roaming User Client Setups.

- There are unique issues for Roaming Users who have an NNTP or IMAP Internet Account, as described in the "Roaming Users with NNTP or IMAP Internet Accounts" release note. Please reference this release note for specific details before including these account types in a Script that will be used for Roaming Users.

- If the network dialup account information differs on each user's machine, use of the `NetworkDial.*` variables should be well thought out to assure the values will work on all machines for the user. Specifically, if the user has a Windows Client & a Macintosh Client, network dialup for the Internet Accounts will not work on both machines for this user (network dialup is not supported on Macintosh). In addition, if the dialup phonebook name is not identical on all machines, dialup may fail because it cannot locate the phonebook entry.

- If you fail to set the `Replication.Schedule` variable to 1 for a first time Roaming User Client Setup, replication will not be enabled for this roaming user. As a result, the user's local files will not automatically replicate to the server on launch & exit of the Notes Client. To work around this, the user can edit their location document(s), enable replication, & enable the 'Replicate when Notes starts' and 'Prompt to replicate when Notes shuts down' options.

Administrator Client, Client, Designer

**Scriptable Client Setup & deployment to multiple users**

Some special factors should be taken into consideration when using the Scriptable Client Setup feature. Because this feature can be used to roll out a standard configuration to multiple users, care should be taken when using certain variables. Below are some examples:

- It is recommended that the `KeyFileName` variable not be used unless the configuration file is intended for one specific user. This variable is used to point to a specific user's ID file. As a result, if the configuration file is used to standardize Client Setup for many users, this variable does not apply.

- It is recommended that the `Mail.Incoming.Username` and `Mail.Incoming.Password` variables not be used unless the configuration file is intended for one specific user. These variables are unique to each user. As a result, if the configuration file is used to standardize Client Setup for many users, these variables do not apply.

- It is recommended that the `NetworkDial.EntryName`, `NetworkDial.Username` and `NetworkDial.Password` variables not be used unless the configuration file is intended for one specific user. The `NetworkDial.EntryName` must be exact to the phonebook entry on the users' machines. If the dialup phonebook name is not identical on all users' machines, dialup may fail for some users because it cannot locate the phonebook entry. The `NetworkDial.Username` and `NetworkDial.Password` are unique to each user. As a result, if the configuration file is used to standardize Client Setup for many users, these variables do not apply.
Administrator Client, Client, Designer

Scriptable Client Setup & Instant Messaging configuration

Here are some known issues to be aware of when using the Scriptable Client Setup feature to configure Instant Messaging:

- If the IM.Protocol variable is set to 3 ('Use proxy'), the IM.ProxyType variable is required. If this variable is left out of the script, the IM Setup dialog is supposed to display during Client Setup so that the user can enter the missing value. At this time, the dialog does not display. As a result, the user may experience connection problems because the Proxy Type defaults to SOCKS4. To correct this, either be sure to include this variable in the Script or ask the user to edit their location documents and update the Instant Messaging tab to reflect the correct Proxy Type.

- The IM.ServerNameResolve variable seems to be ignored by Scriptable Setup. The 'Resolve server name locally' field is always enabled in the IM Setup - IM Proxy dialog whether the variable is included in the Script or not. Despite the field being enabled in the dialog during Client Setup, it is always disabled in the location doc, except as noted below.

- The IM.ServerNameResolve variable acts as if it is required when the IM.ProxyType variable is set to 1 ('SOCKS5'). Specifically, if a Script sets IM.ProxyType to 1 and leaves out the IM.ServerNameResolve variable (this should be ok since the variable is optional), the IM Setup dialog will display during Client Setup so that the user can enter the missing value. In addition, the user will find the checkbox for this field is enabled even though the variable was not included in the script. This checkbox will remain enabled upon completion of the Client Setup in the location document.

Administrator Client, Client, Designer

Scriptable Client Setup & the 'AdditionalServices' variable

The Scriptable Client Setup feature provides the AdditionalServices variable to enable/disable appearance of the Additional Services' dialog during a new Client Setup. This variable works in conjunction with the variables for features that are configured via the Additional Services dialog. As a result, this variable is tied to use of the related variables (Internet Mail account, NNTP account, LDAP account, Proxy servers, and Replication).

Specifically, here are some examples of how the AdditionalServices variable works in a configuration file:

- **AdditionalServices=1 -->** the Additional Services dialog will always display during a new Client Setup, regardless of other variables in the configuration file. If the configuration file contains some or all of the related variables, the fields will display the configuration file's data value in each field. If a certain variable is missing from the configuration file, the field will be blank. In all cases, the user can either leave the field value intact or change the field value.

- **AdditionalServices=0 -->** the AdditionalServices dialog will not display as long as sufficient configuration information is supplied for one or more of the related variables. Here are some examples:

  - if the configuration file contains all of the variables for all possible accounts/settings, then the Additional Services dialog will not display during a new Client Setup
  - if the configuration file contains all of the variables for the referenced accounts/settings, then the Additional Services dialog will not display during a new Client Setup
  - if the configuration file does not contain any of the related variables, the Additional Services dialog will display during a new Client Setup
  - if the configuration file contains variables to set up an internet Mail account, but is missing sufficient information to configure the account (ex. the Mail.Incoming.Server variable), the Additional Services dialog will display during a new Client Setup.

Administrator Client, Client, Designer

Scriptable Client Setup: 'Destination path does not exist' error

When performing a new Client Setup using the Scriptable Client Setup feature, you may receive this error: **Destination path does not exist.** This occurs if the KeyFileName variable in the configuration file is pointing to a drive that is not accessible on this machine. For example, if the user id file is located on a network drive and the user does not have access to the drive, this error will result. To workaround this, either correct the drive access problem for the user or move the user's id file to another location & update the configuration file to reflect the new path.
Setup fails if Policy doc was edited by Admin w/ removed access

Users cannot complete the Notes client setup if the Settings/Policy document was edited by a person whose access has been subsequently removed. They will see the following error message:

The signer of this note must have Editor access and the PolicyCreator or PolicyModifier role to the Domino Directory.

Clicking "OK" at this point will exit the Notes client without completing the client setup.

Tips for using Transforms for Client installs

The following tips will help you use transforms to install your Notes client:

- These are the steps to use when trying to install the Notes client and not have Notes as the Default Email Client checkbox selected via a transform:
  1. In the transform, go to the "Table Editor" - "Property" view (above #1).
  2. Locate the row that says 'USENOTESFOREMAIL'.
  3. Click once on the row to select it, right click, and choose "Drop Row(s)" to remove it.

- These are the steps to use when trying to install the Notes client and not have Shortcuts and Desktop icons installed via a transform:
  1. In the transform, go to the "Table Editor" view (above #1).
  2. Click on the "Shortcuts" table in the middle view.
  3. On the right hand side, you will see the list of all the Desktop and Shortcut icons that will get installed. Click once on the shortcut you wish to remove, right click, and choose "Drop Row(s)" to delete the icon. Do this for each icon you wish not to get installed. That's all you have to do. Now, if you go to the "Target System Configuration" - "Shortcuts/Folder" view, you see them removed.

- When creating a transform to be used for a silent node install from an Admin image for a Shared Install, Multi-User Cleanup Service needs to be deselected because this used for Multi-User Installs only and not for Shared Installs.

Accessibility issues

Duplicated field names and descriptions for accessibility aids

By default, when the Notes client provides information to an accessibility aid it will re-use the field’s name as the field description if the description is blank. Likewise, it will use the field description as the field name if there is no field name. This behavior can be disable by setting the Notes.INI file variable:

MSAAFieldNameHelp = -1

For usability purposes it may be important for field name and field description to be distinct. In this case the application developer will need to provide HTML Title’s (field name) and field help (for field descriptions) explicitly.
**Meaning of "Access Name" field property**

Access Name is a non-editable property displayed on the Field Properties <HTML> pane. The Notes client uses this value to display it’s ‘best-guess’ for the static text label associated with this field. This ‘best-guess’ is exposed by Microsoft Active Accessibility (MSAA). Assistive technologies, used by people with disabilities, then have an association between the static text label and the field.

The Access Name is derived from:

- The field’s HTML ‘Title’ tag
- If there is no ‘Title’ tag, static text to the left of the field (maximum of 2 columns if in a table)
- If there is no static text to the left, static text directly above the field.

Because the Notes client may position text differently than the Designer (due to hidden elements), Access Name may not always be accurate. If in doubt, simply fill in the field’s HTML ‘Title’ tag.

---

**No field contents being announced by screen readers**

Due to some changes in the accessibility interface between Notes 6 and R5, some screen readers will announce no values when reading a document, but will duplicate field names. Notes 6 can be made to emulate the R5 behavior by setting the .ini file variable:

```
MSAACompatibility = V5
```

Screen reader vendors are aware of this issue and should be contacted regarding the current status of their products.

---

**Applet issues**

**Administrator Client, Client, Designer, Server**

**Windows 95 - Java Applets are not supported**

Java Applets are no longer supported with the new JVM for Windows 95. Although the menu and dialogs are still available to create Java Applets, the applets will not display in the Notes client or Designer. However, if you preview them in a browser, or on another platform, they will be visible.

**Client**

**Windows 95 - Java is not supported**

Starting with Notes/Domino 6, Java will not be supported on Windows 95 in Notes. This is in response to the fact that Microsoft has dropped support of Windows 95. Since our Administrator Client, Designer and Server are not supported on Windows 95, the only issue is with the Notes Client.

If the Notes client encounters a Java applet (e.g., on the Welcome page), a grey box will appear. If the user wants to start the Java Debug Console, nothing will happen. If a Java agent is run, you will get the following error message:

"JVM: Java Virtual Machine failed to start".

Also, the 'Is SameTime OnLine' button will do nothing.

Basically, in most places where you can execute Java, it will be a no-op. In some cases, there will be an error message complaining about failing to start the JVM.

**Client, Designer, Server**

**Changes to rich-text applets may not appear without refresh**

When editing a document on the web that contains a rich-text applet, changes made within the rich-text applet may not appear until you select ‘Refresh’ from the browser toolbar.
Application Design issues

Client, Designer  
**HTML Source Editor: List type fields not returned as Form fields**  
The HTML Source Editor does not return List type fields (ie: Dialog List, Radio Button, etc.) as Form fields.

Administrator Client, Client, Designer  
**Date/time format changes in Notes/Domino 6**  
In Lotus Notes/Domino 6, Date/Time formats have been enhanced, allowing some formats that were either not available in previous version of Notes, or that are handled in a different manner than they were previously. Views have been enhanced to handle the date/time formats that were introduced in R5 fields.

Some points application designers should take into consideration when designing view columns that contain date/time formats:

<table>
<thead>
<tr>
<th>Display Option</th>
<th>Domino 6 Result</th>
<th>R5 Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date display set to “Show 4 digits for 21st century”</td>
<td>Years prior to 1950, and after 2000 display with 4 digits, years between 1950 and 2000 display with 2 digits</td>
<td>All entries display 4 digit years</td>
</tr>
<tr>
<td>Date display set to “Show Today when appropriate” (This option is now associated with the DATE display instead of the TIME display)</td>
<td>If the date is today’s date, the word “Today” appears instead of the weekday/month/day/year</td>
<td>Today” is not shown -- the date is displayed using the weekday/month/day/year format selected</td>
</tr>
</tbody>
</table>

Designer  
**Field value cannot be used as formula in embedded view**  
Specifying a field value to be used as the formula for an embedded view does not work.

Server  
**MS Installer runs when accessing page with edit control**  
Support for the Microsoft DHTML ActiveX editing control has been added to some of the Domino Web applications. This control is only used on Win32 systems running IE 5.0 or greater. You may notice that the first time you access a page containing the DHTML control from a browser session, the Microsoft Office Installer starts running. You can cancel out of the installer and the DHTML editing control will work properly, but the next time you open your browser and access a page with that control, the installer will again begin running.

This issue occurs on systems where MS Office has been installed. Even though the DHTML control is fully supported by IE 5.0 and higher, MS Office can use the DHTML editing control, and puts information in the registry about it. The default installation of MS Office marks the HTML Source Editing component as "Install on First Use", so when you access the control from a Domino web page, MS Office sees the registry entry for the HTML Source Editing component, thinks it needs it installed, and begins the installation procedure.

There are two ways to prevent the MS Office Installer from continually prompting you to run install:

1. You can allow the MS Office Installer to run and it will install the HTML Source Editing component that it thinks it needs.

2. You can go into MS Office Install via the Control Panel, Add/Remove Programs, and mark the HTML Source Editing component in the Office Tools section of MS Office Install, as "Not Available".

Note that this is an issue with MS Office and NOT an issue with the DHTML editing component.
Signature of embedded applet changed to signature of modifier
The signature of an embedded applet is changed to the signature of the modifier, if changes are made to the applet parameters or to the applet properties.

Migrating servlets from R5 to Notes/Domino 6
If the name of your R5 servlet is the same as the servlet class, migration from R5 to Notes/Domino 6 will happen automatically. If not, add the following line to your servlets.properties file:

```
servletname.code=servletclass
```

Using Style Sheets with Netscape 4.x
Cascading Style Sheet properties assigned to `<table>` elements are not inherited by their children in Netscape 4.x. Assign the property to the `<td>` element instead.

Changing an editable Field/Formula column to simple function
If you have a view column that has been defined as using either a field or a formula for its contents and it is set to be an editable column in the view, you cannot change it to be a simple function column that is not editable in a view just by changing the column type to simple function (even though the result of doing this looks like the column is no longer editable).

You must first manually uncheck the column property to be editable and then switch the column type to be a simple function.

Custom-designed 'twisties'
Notes/Domino 6 introduces the ability to use custom designed twisties. In Designer, however, if you specify a custom twisty image, the refresh arrow will not appear in the view displayed in Designer. Pressing F9 will refresh the view with the new custom design however.

In addition, once a twisty image has been specified in Designer, if it is changed to another twisty while still in the same Designer session, the new twisty image will not be displayed on a refresh in the Designer view -- the old image will continue to display. Closing and reopening the view will correct the problem in Designer.

In both cases, the client display of the twisty will be correct when the view is saved -- the problem is limited to the Designer display.

Embedded calendar view needs to be sized properly
When embedding a calendar view, you need to set the embedded view to be large enough to display the calendar information. If the embedded view is too short (height too small), the user will experience difficulties getting times to display in time slots and being able to see calendar entries in some formats.
Embedded outline issues

Following are the known issues regarding embedded outlines in Domino Designer 6:

- The [Store data in document] embedded outline is only supported on forms in NAB. Only a single [Store data in document] outline is supported; [Store data in document] outline in any other context is not supported.

- An embedded outline root entry property will match an entry's label first, then alias. In R5, the root entry property only matched against an entry's alias.

- The embedded outline property "OS Style twisty" takes on the embedded outline's background color. If the outline's background color is reset to (None), the OS Style twisty retains the embedded outline's background color. To reset the twisty's color, change the outline's background color to White, then (None).

- The embedded outline property "OS Style twisty" is not supported on Macintosh platform.

- In an embedded outline with view and folder placeholders (Other Views, Other Private Views, etc.), views and folders in the placeholders may appear out of order after creating the private instance of a Shared-Private-On-First-Use view or folder.

Designer Frameset-Selecting fields in Fields & Functions dialog crash

Opening the Formula Window for Frame Captions, clicking Fields & Functions, and selecting Fields will crash. This is a problem in this context only and can be worked around by manually typing in the appropriate formula.

Designer Known issues with Programmed Tables

Following are the known issues with Programmed Tables in Notes/Domino 6:

- Copying and pasting a Programmed tabbed table and corresponding $field in the same form does not work unless you rename both the table and $field. If you do not rename, the pasted table will still be controlled by the original $field and not the pasted $field.

- Programmed tables that do not have a corresponding $field (but still have formulas on the form that change rows, i.e. 'FIELD $<Tablename> := "Row2"') will not always retain the current row when toggling between read and edit modes. This is a software limitation. The workaround is to add a $<Tablename> field to your form.

Layer issues

Following are known issues/limitations with Layers:

- For backward-compatibility, any paragraph text formatting and/or hide-whens should be applied to layer contents directly, not just the paragraph containing the layer placeholder. There are two ways to have the paragraph properties applied directly to the layer content:
  1. Format the paragraph before creating the layer - the paragraph properties will be inherited by the paragraph in the layer
  2. To apply the formatting after the layer has already been created, include the layer placeholder in the selection (highlight the paragraph, including the layer placeholder). Any formatting will be applied to the paragraph in the layer

If paragraph formatting is not applied to the layer's paragraph in either of the above manners, formatting should be set explicitly on the layer's paragraph to render correctly in pre-Notes 6 clients.

- For backward-compatibility, a layer should be created in a table. This is so the left margin of the layer's contents will align correctly. For example, paragraphs in a layer have a left margin of 0 in Notes 6 - so that they are left-aligned with the layer's left edge. In a pre-Notes 6 client, the layer itself is not rendered - only the layer's contents. In this example, the layer's contents will have a 0 left margin on the form in pre-Notes 6 client. By placing the layer in a table, the table will have a normal 1 inch margin and act as a container for the layer's contents.
Em unit values for layer Top, Left, Height, and Width properties are computed based on the document’s default 10pt font-size, or layer font-size as specified via a style sheet resource.

A positioned layer on a subform appears to change position after inserting the subform on a form. This is the correct behavior - on a subform in design mode, the subform is the containing block. When the subform is inserted on the form, the form becomes the containing block - thus the layer is positioned relative to the form’s top and left edges, rather than the subform’s. This is an issue only for positioned layers - auto positioned layers remain anchored at their insertion point.

To use positioned layers in a subform, create a parent layer that is auto positioned. Then create positioned child layers inside the auto positioned layer - the auto positioned layer will be the containing block in both subform and form, thus the positioned layers will retain their relative position in the form.

**LotusScript Debugger cannot test Query and Post DragDrop events**

The QueryDragDrop event fires when a document (which is highlighted to later be dropped) is dragged over any folders. When debugging, the debugger fires along with the event and completes; the handle to the document is then lost. Therefore, once the QueryDragDrop event has concluded, no document is dropped. This means you cannot debug the PostDragDrop event after testing the QueryDragDrop event.

**Workaround**

To debug both the QueryDragDrop and PostDragDrop events:

Code the QueryDragDrop event and test as necessary. Once you are satisfied, comment out the code for the QueryDragDrop event, and code the PostDragDrop event to test as necessary.

**Style sheet resource issues**

Following are known issues and/or limitations of style sheet resources in the Notes client:

- Element properties set via CSS style rules take precedence over conflicting properties set via the element’s infobox
- Embedded elements do not support properties specified via style sheet
- Table cell border style is applied to all cells when using class or id selector to specify border for only a particular cell(s)
- Font-weights 100 - 600 are rendered as Normal; 700 - 900 are rendered as Bold
- Rules using Paragraph and Image (P and Img) selectors are not applied to those elements in a layout region. Rules using Body selector are applied to text in a layout region
- Visibility property - only supported for layer; only values 'hidden' and 'collapse' are supported
- Border-top-color and Border-top-style are applied to all sides. Border-left-color, Border-right-color, Border-bottom-color, Border-left-style, Border-right-style, and Border-bottom-style are not supported
- @import rule is not supported
- @media rule is not supported
- Adjacent selectors are not supported
- ID and Class selection is not supported for fields, buttons, or computed text, e.g. p.redField {...} will not be applied to a field with redField class attribute. To use class selection with these elements, place them in an element that supports class selection. For example, table.redField {...} will apply the rule to fields in a table with redField class
The following CSS property values are not supported in Notes:

- Font-family: cursive and fantasy generic families
- Text-decoration: overline and blink
- Border-color: transparent
- Background-color: transparent - Not supported for body element, supported for other applicable elements
- Margin: Negative value is not supported for table or image selectors
- Padding and margin: percent value. The property will be ignored if given a percent value, thus no padding or margin will be applied (numerous SPRs apply).

**Administrator Client**

**A sort order is not updated after changing collation rule**

In some cases, a sort order is not updated automatically after you change a collation rule. In these cases, you may update a sort order with the nupdate.exe command; run this command on the server console, or in a command prompt of your OS.

**Client, Designer**

**Design Synopsis chokes on R5 actions with JavaScript**

When creating a Design Synopsis in Notes 6 of an R5 action with JavaScript, Notes will sometimes crash, or it will return nothing.

**Workaround:**
When trying to create a Design Synopsis of these elements, please use the DXL Transformer in the Designer.

1) Open Designer
2) Open an Element List for the database you want to view
3) Select menu: Tools/DXL Utilities/Transformer
4) In the Type Box, choose a Design Element Type
5) In the Box below, choose the Element you want to view
6) In the "Selecting XSL Transforming Resource" box, select a XSL stylesheet to format output.
7) Choose where to send the output: Display or File (must have an existing HTML file)
8) Press OK

For creating XSL Stylesheets, please see the Lotus Domino 6 Designer on-line Help.

**Designer**

**Issue related to HTML Editor**

Following are issues associated with the HTML Editor feature in Notes/Domino 6.

- **Problem:** Create a form, insert some pass-thru HTML that represents an entity (e.g. a table), convert it to Notes Format and attempt to save the form. In some circumstances, the message "Cannot save bitmap to disk ..." appears and the form cannot be saved.

  **Workaround:** This only happens for html that contains a reference to blank gifs. If you delete the little red dots in the table, the form can be saved.
**Issues related to Fields**

Following are issues related to the Fields feature in Notes/Domino 6.

- **Problem:** On the RGB tab of a color field, it is not clear where to click to accept new color settings.
  
  **Workaround:** Set the R, G, and B fields by moving the slider and then click on the bottom left corner of the dialog to the left of the RGB: label.

- **Problem:** If you design a Date/Time (Calendar/Time control) field with an infobox setting of Display Date: Show: Only weekday, month and day and then enter a date with a non-current year, the date will be changed to the current year.
  
  **Workaround:** Option 1 - For Display Date, use ‘Show All’. Option 2 - Maintain ‘Show’ as ‘Only weekday, month and day’ and set ‘Special’ to ‘Show year only when not this year’.

- **Problem:** Rich Text Lite field that allow only one entity are keyboard accessible with <ALT><Down Arrow> except if the entity is Text. Rich Text Lite fields that allow multiple entities are not keyboard accessible.
  
  **Workaround:** none

- **Problem:** On the Mac only, a Listbox field that is setup to "Allow multiple values" does not display the checkboxes (to the left of the available options) that make the multiple selection possible.
  
  **Workaround:** On the Mac, click to the left of the selection options. A checkbox will appear that makes multiple selection possible.

- **Problem:** Create a form with a Rich Text field, set the form to "Inherit entire selected document into rich text field", save the form and then change the name of the field. Attempt to create a doc from this form and a dialog box appears that says "Inherit rich text field does not exist".
  
  **Workaround:** After completing the form creation sequence above, reselect the field in the On Create section of the Defaults tab of the Form infobox.

- **Problem:** Create a form with a paragraph style of Headline. Insert a text field in the form and enter some text in the Field Hint area. Create a doc from this form and notice that the color if the text in the field is black instead of magenta.
  
  **Workaround:** Option 1 - Save and reopen the doc. Option 2 - Set the field text font color.

- **Problem:** Create a form, add a text field and change the font to a non-black color. Copy the field. Problem 1 - Enter a few <CR>s to the form and then paste in the field. The font color of the field is changed to black.
  
  **Workaround:** Manually change the font color of the pasted fields back to the desired color.

**Server**

**OS-level database access from apps running in server directory**

There is a new behavior in the database cache for applications running in the server program directory:

Due to a change for API applications that are using the server's Notes.INI (running out of the server program directory), databases accessed by those applications may be cached in Domino 6, when they were not cached in R5. Databases accessed "locally" via NSF APIs will now be placed in the server database cache on Close.

This change will affect applications that are performing OS-level file operations on databases: if the database is in the cache, it will not be possible to delete/rename the file without removing it from the cache. To avoid problems, start using NSF APIs for file operations on databases (e.g. NSFDbDelete), or take the databases offline before the OS-level operation, and bring them back online when the OS-level operations are complete (NSFTakeDatabaseOffline, NSFBringDatabaseOnline).
Client

View/Folder Issues: "Shared, private on 1st use" view
In Notes/Domino 6, "Shared, Private on 1st use" views initially display with the shared view icon. Once the user clicks on the icon, the private version of the view is created, and has a private view icon associated with it. However, unlike R4.x, the shared view icon will remain visible in the navigator until the user exits and reopens the database.

Once the user closes/reopens the database, only the private version of the view will be visible in the navigation pane. However, if the user deletes the private version of the view, the shared version of that view, as well as the shared versions of any other private on first use views will become visible in the navigator until the database has been closed and reopened. After reopening the database, the navigator will show the private versions where they exist, and the shared versions if the private version has not been created.

This functions similarly if the user modifies the design of the private view.

Client, Server

Previously-compiled Visual Basic apps using backend COM APIs
Starting with Notes/Domino 6.0.3 and Notes/Domino 6.5, some compiled Microsoft Visual Basic (VB) applications built for prior releases of the Notes COM interfaces for backend classes would only run properly by recompiling with the 6.0.3 or 6.5 domobj type library. This has now been fixed.

However, the fix necessitates that VB applications currently compiled with the Notes/Domino 6.0.3/6.5.x domobj type library now be recompiled with the new 6.5.3 domobj type library. Hereafter, VB recompilations will not be necessary.

Calendar and scheduling issues

Client

'My reservations' view of Room and Resource database
If you are using an earlier version of the Room and Resource database, you must delete the 'My Reservations' view and replace the design of the database with the resrc60.ntf, in order for the 'My Reservations' view to properly reflect all of a user's room and resource reservations.

Client

Dragging entry slider on conflicting Calendar entry
Dragging the entry slider of a conflicting calendar entry (to reschedule the entry) may appear as though the wrong entry's time was adjusted. See the following example:

1. Create 2 Appointments (or Meetings) on the same time slot & day (they are conflicting)
2. Select the first Appointment entry
3. Drag the lower edge of the first Entry down to a different time slot (so that the end time will change); release the mouse.

The second Appointment appears that it was adjusted instead of the one you "dragged." However, the two entries simply switched places because their order in the entry list has changed: the longer entry is drawn second (this was the one you rescheduled).
"In View Edit" adds information to the 'Subject' field
In the Calendar View, the "In View Edit" action inadvertently appends additional information (from the Calendar form) to the Subject field. This problem is dependent upon a value existing in the Location field. The information that is appended is the label of the Location field, and its field value.

For example, within an "Event," the word "Room" is entered into the Location field (upon creating the calendar entry). After an "In View Edit" is performed from the Calendar View, the string "Location: Room" is appended to the Subject field.

Error dragging/dropping meeting with different End Time Zone
There is an error when dragging/dropping a meeting where the Start and End timezones are different, as in the following example:
- Chair schedules a meeting, selects Pacific time for the Start Time Zone; something else for End Time Zone
- Meeting invitation is saved and sent
- The Chair subsequently drags-and-drops the meeting to a new day

When the dialog comes up, the End Time appears incorrectly, it will be off by adding the difference between the Start Time Zone and End Time Zone.

Fields not displaying on Group To Do when Alarms are enabled
The 'Assign To' fields are not being displayed when selecting "Others" to convert a 'To Do' to a 'Group To Do'. This occurs only when Alarms are enabled.

Workaround
Turn the Notify check on and off a few times until the fields display, or go into Tools > Preferences > Calendar > Alarms and uncheck the "Enable Alarms" option if they're enabled for To Do.

Importing holidays into the server Name and Address book
When upgrading to Domino 6.0, Administrators should navigate to "Holidays" in the server Name and Address Book and delete all existing holidays which were previously imported from the template in R5.X (pubnames.ntf). The Administrator should then run the agent "Import Holidays from Template" from the 'Actions' menu; a new set of updated holidays will be imported.

In-View Edit feature doesn't work with Alternate Names option
The In-View edit functionality doesn't work when the Alternate Names feature is turned on.

Meeting form prompts to Save when no changes made
This issue occurs when opening an existing meeting for which you are the Chair, in order to check, for example, participant status. Clicking any of the 'twisties' in the meeting entry (i.e., the Repeats twisty or the Scheduler twisty) will result in your being prompted to Save when closing the meeting, even though you have made no changes.
Client

**Repeating reservations in Resource Reservations cannot be edited**

Single-room/resource, non-repeating reservations that are created manually in the Resource Reservations database can be edited by the requester of the reservation, with Editor access to the Resource Reservations database, if the reservation has a status of "waiting for approval" or if the reservation has been accepted. Repeating room or resource reservations that are created manually cannot be edited.

Client

**Room Wait for Approval document not updated with meeting changes**

A Wait for Approval document is generated when a room with owner restrictions (only owner can book a room or only a select list of people can book via autoprocessing) is invited to a meeting. If the Wait for Approval document is not processed by the room owner and a change to the meeting occurs (cancellation or reschedule), the Wait for Approval document is not always updated with the changes.

Client

**Scheduler/Find room search is not all inclusive**

In a meeting invitation, when a user selects Scheduler/Find Room or Find Resource, there is an expectation that the search criteria takes into consideration the following factors:

- Room free time availability
- Room owner restrictions
- Room capacity

The search, as it stands today, considers capacity and freetime availability only.

Client

**Some actions in a C&S event unnecessarily cause a Prompt to Save**

If the chair/owner of a meeting opens the meeting event and opens the scheduling control (for example, to check on participant status), when the meeting document is closed, Notes will prompt to save changes even though nothing has been changed.

Similarly, if the chair/owner adds participants but cancels out the dialog or changes the event type but cancels out of the dialog, Notes will prompt to save changes even though nothing has been changed.

Client

**Unable to accept a meeting invitation previously declined**

It is possible for a user to receive multiple copies of the same invitation due to being originally invited, and later added to the invitation as a "delegated" invitee. In this situation, the user might find themselves unable to accept the invitation, because of a previous action, such as a Decline, having been taken from the other copy.

In this case, the user should attempt to delete all copies of the invitation from their calendar, and then request that the chair re-invite them to the meeting.

Server

**User with "Reader" access: No access to C&S entry from Internet**

With the IMAP NAMESPACE/Public Folders feature, if you attempt to open a secondary user's local message, and only have 'Reader' access, it will fail; what will be returned is "You are not authorized to perform that operation".

This problem only pertains to accessing invitations created with the Notes client.
Client

Accepting Reschedules from the Meetings View
If a meeting invitation was originally declined, but the user kept informed and the meeting was then rescheduled, the user would not have available actions on the Reschedule.

If the user saw that, since the meeting was rescheduled, they could now attend the meeting, and selected the meeting from the Meetings view to accept it, the user will be prompted to act on the reschedule, but the acceptance is placed on the original, and not the rescheduled, meeting putting the meeting on the user’s calendar for the wrong date/time. The user also needs to take action (whether via the Meetings view or by opening it) on the reschedule.

Client

An Encrypted meeting via Internet generates two e-mails
Sending an encrypted meeting via "Direct to Internet" generates two e-mails in the Recipient’s Inbox; one is a note and the other is a real meeting invitation. This is also true if receiving the meeting via a POP3 or IMAP client.

Client

Assignee must take action on a loop-back delegation
When a user gets a looped-back delegation Group To-Do, they must take action on it, because if a reschedule comes in after that, and no action was taken on the original, then action can not be taken on either the original assignment or on the reschedule.

The workaround is to have the Owner remove and re-add the user, sending a new assignment that can be acted upon.

Client

Calendar actions from view when meeting updates are outstanding
In Notes/Domino 6, when a user opens a meeting document, they are prompted to apply any meeting updates that have been sent. However, if the user performs a participant action from the calendar view, with unprocessed (unapplied) updates in their inbox, and they opt to "Have Notes automatically process all of these notices for you", the updates may not be performed completely.

In most cases, this will simply result in the user being prompted again on the next document access, and the updates will be completed. In the case of delegation, it may result in old information being sent to the delegatee. If a user sees that updates weren’t completely applied, while doing a view-level delegation, they should advise the delegatee to ‘Request Information’ from the chair, to ensure completely up-to-date information.

Client

Calendar Manager can't edit Repeat calendar entries from browser
If a Calendar Manager (user with Read/Write public documents access) is working in the Owner's mail file from a browser, they will be able to create repeating Calendar entries. However, they will not be able to edit them. They must use the Notes Client in order to make any changes to them.

Client

Calendar switches to improper week if select Sun. in Date picker
When Calendar View is in the One Work Week view, and the start of the week is set to Sunday, selecting Sunday from the Date Picker (located in the left view pane) may set focus to the week prior.

Workaround
Select Monday in the Date picker for the desired week.
Client

Cancel Meeting not synched up after declining
If an Invitee chooses “Decline without keeping informed” for the same Calendar entry that the Chair cancels, the Invitee will not get the cancellation notice.

If the Invitee reopens and decides to accept the Calendar entry, and request information from the Chair, the Chair will send updated information, but it will not be removed from the Calendar, even though the instance was cancelled.

To remove that entry from the Calendar, it must be manually deleted.

Client

Check any Mail or C&S settings changed during Notes 6 beta
If you have been a Notes/Domino 6 beta program customer using Mail or Calendar and Scheduling features, please make sure to open your Tools -> Preferences and check that all the settings you changed during the beta program are still established correctly; then click ‘OK’.

Lotus highly recommends that you do this, since we may have changed default values or selections for the final release of Notes/Domino 6, and you may need these to keep new features working correctly.

Client

Day computation on Two-Day Calendar view
When December 31st and January 1st are displayed together in the Two-Day Calendar View, the computation of “day” for January 1st is incorrect. It should say ‘Day 1, 364 days left’ - instead, it increments the day number from December 31st. The remaining days of the Year are computed properly.

Client

Display issues with Calendar Preferences
Following are several, known display issues with Calendar Preferences:

- There is a problem re-displaying the days of the Week in the One Work Week view when you de-select the first day of the week in the Display preferences (“Days displayed in a work week”). When this preference is changed while the One Work Week view is displayed, the last day of the week is removed from the view, instead of the first day (as de-selected in the preferences).

  Workaround
  Advance to the next Calendar page to recompute the display.

- When opening multiple Calendars on the same Notes client, you will find that some of the “view” display preferences are taken from the last Calendar opened.

  The affected Display preferences are:
  - Beginning of the work day
  - End of the work day
  - Each time slot lasts

  Workaround
  If the User has an appropriate access level, re-set the preferences.

- The One Week Calendar View isn't repainted properly when you turn on/off the To Do preference “Do not display To Do entries in the Calendar”; Sunday is removed from the View.

  Workaround
  Close/re-open the View, or change to a different Calendar View format, then return to the One Week view.
Editing manually created resource/room reservations

Single-room, non-repeating reservations that are created manually in the Resource Reservations database can be edited by the requester of the reservation, with Editor access to the Resource Reservations database, if the reservation has a status of "waiting for approval" or if the reservation has been accepted.

Repeating room or resource reservations that are created manually cannot be edited.

Error delegating meeting with "Directly to Internet", no SMTP

If a user has the "Send outgoing mail:" field in the Location document of the Personal NAB configured to "Directly to Internet" but does not have an "SMTP" Account document configured, and they try to delegate a meeting invitation to any valid user, they will be prompted with the following error message: "An error occurred sending the delegation notice to the delegatee. Please delegate to someone else".

In order to successfully delegate the meeting they should add an SMTP Account doc in their Personal NAB.

Forwarded notifications sent to Calendar Manager

If you have configured your Calendar Manager to receive Meeting notifications on your behalf, they will receive an e-mail for each Meeting invitation and/or Invitee response that is sent to you. The notification will contain a doclink that opens the Meeting notice in your mail file that can then be processed if necessary.

If you receive a repeating Meeting invitation that you don't accept first, but simply delegate to another user and that user delegates it back to you, the doclink contained in your Calendar Manager's Meeting notification will open the original document that was delegated to the delegatee and not the 'delegated invitation' that requires processing.

For this case, your Calendar Manager must open the document directly from the Inbox or Meetings view of your mail file in order to process it.

Free time and Schedule information viewed from the web

If your "Access to Your Schedule" preference for "Only the following people or groups may see your schedule information" is selected, a person viewing free time information from the Web Client will see your schedule information as "restricted."

Free time search's preference setting

The following details the Preference settings and related issues for FreeTime lookup:

- The detail harvesting setting in the default server configuration document of the public NAB applies to the whole domain; there is no detailed harvesting setting for each individual server within the same domain.

Modifications made to the detail harvesting setting in the server configuration doc will not take effect until the 2 AM house keeping task is finished. If you change the selected settings on the server configuration doc while Schedule Manager is running then you must not restart Schedule Manager until 2 AM. Failure to do so may cause only partial results to be provided by the busytime system.

Modifications made to the detail harvesting setting in the server configuration doc will not work properly if the new detail harvesting setting entries are a subset of the original entries. (i.e. If the original settings are for room, chair, category and location and the new settings are room and chair only).

The workaround is to disable the detail harvesting altogether, wait for a day, and then turn on the detail harvesting to the desired setting; the new setting will take effect the next day. Or, bring down the scheduler task, delete the clubusy.nsf (busytime.nsf) and restart the scheduler manager task again.
Some modifications made to the Individual settings in the Tools -> Preference -> Access & Delegation -> Access to Your Schedule dialog box will take effect only after a new Calendar event has been created/saved. Changes related to who can access the busyt ime information take effect immediately.

In the case that the FreeTime database (clubusy.nsf) in a clustered environment needs to be deleted, the clubusy.nsf in each member server within the cluster needs to be deleted at the same time, so that the new database will be free of any old data. Otherwise old/bad data may cluster replicate back into the server causing possibly incorrect or incomplete results.

Controlling access to an individual's Busyt ime where users from other domains are involved will work as expected most of the time. However, if the domain configurations are set up as described below, then adding the a server name to the "Only the following people or groups may see your scheduling information" allow list may be required to make it to work:

The domain's 'Calendar Server' is also used as mail and calendar server for users.

The user granting the permission is using the "Calendar Server" as their home server and the user receiving the permission is requesting from a different domain. For example:

"Org" is the organization name
Server A is listed as the 'Calendar Server' for Domain A and is used as Home Server for UserA/Org.
Server B is any server in Domain B. Server B is not necessarily the Home Server for UserB/Org; it is simply the server in Domain B that connects to Server A to request the busyt ime information for User A/Org.

If UserA uses the Calendar preference dialog box to grant UserB access to their busyt ime information, the 'Only the following people or groups may see your scheduling information' list should be:

"Userb/Org , Server B/Org"

If Server B was clustered with Server B2 then the list above should also contain Server B2/Org. Otherwise, cluster load balancing could cause the request to be routed thru Server B2 instead of Server B and the request would be rejected.

Server names are NOT required to be added to the "Only information about when you are busy or available, except the following people may see detailed information" preferences list.

Client

**Free Time search in Island mode**

For users that try to look up Free Time in the Island mode environment, if person documents were copied into the local NAB (for purpose of Names type-ahead), the look-up in Island mode will fail.

In order for this look-up to work correctly, in the Replicator tab, right-mouse-click on the FreeTime database, "Option" section, and make sure that all names have the "@DOMAIN" appended to them for the local domain. That is, instead of having "John Doe/Iris", you would make the entry read "John Doe/Iris@LOTUS" (or whatever your local mail domain is), and then Save and Re replicate the database again.

Client

**Group name no longer expands in Room/Resource definition**

In R5, you could define a room to have the following restrictions:

1) 'Owner only' can book this room
2) 'Autoprocessing'; only a select list of people can book resource via autoprocessing

If a group name was entered in the owner or list field, it was expanded before the resource definition was saved. So, if a person was added to the group after the resource or room was defined, they would be restricted from reserving the room. Now, entering a group name in the room or resource owner or list field maintains the group definition, and any current member of the group can reserve the room. If this behavior is desirable, current customers should edit their existing room/resource definitions and replace the list of owners with a group name.
Client

**Group To Do assigned via address book removes Participants**

If a Group To Do is assigned to the Owner via the address book, then the Assignee's field disappears. The Owner should create a personal To Do rather than choosing themselves from the address book for a personal To Do.

*Note:* If the Owner's name is entered into the Assignee's field, the user is told that the Owner cannot also be a participant; the name is removed and works correctly.

Client

**iCal - Response actions may be hidden from delegated invitee**

If a user does not have an internet address configured in the "Internet address:" field of the Domino Directory Person document, and they receive a "delegated" meeting invitation from an Invitee that has the "Send outgoing mail:" field in the Location document of the Personal NAB configured to "Directly to Internet", that user will be able to respond to the delegated invitation.

However, they will only have the "Request Information" action but no other "Participant" actions available when they reopen the Calendar entry. To avoid this situation it is recommended that all users have a valid internet address configured in their Person doc.

Client

**If added invitee declines group To-Do they cannot re-accept**

When a Chair adds an invitee to an existing group To-Do, and they decline it, the added invitee will not be able to go back into the invitation and take any other action on it.

Client

**Invitee status - Right-clicking on blank area**

The user interface for "Invitee Status," where there is also a Scheduler Details grid option, allows the User access to a right-mouse-click menu on the blank space in the Invitee Status.

Client

**Issue responding with comments to loopback delegation invitation**

When an invitee delegates a meeting (or a set of repeating meeting instances) to another person, if that person (the delegatee) is unable to attend, they may delegate the meeting(s) back. When the invitee/delegator receives the loopback delegation invitation, they can perform any of the standard accept, decline, or propose operations, or they may try delegating to another person.

However, for some of these operations, if they're done through a 'Respond with Comments' (as opposed to 'Respond'), the invitee will receive errors, and won't be able to complete the operation. Instead, when responding to a loopback delegation invitation, users should be sure to use the 'Respond' button.

Client

**Limitations in repeating meeting delegation on web**

In the Notes client, users who receive delegated invitations to repeating meetings can delegate some or all of those meetings back to the delegator (called 'loopback delegation').

In the web client, loopback delegation can be done only if the entire repeat set was delegated (before the meeting was accepted). If the invitee accepts a repeat set, and then delegates some or all of those meetings, and the delegatee delegates back some or all of the meetings -- the invitee/delegator will receive a "Form processed" error and will not be able to accept the looped-back meetings.

Loopback delegation of partial sets of repeating meetings is not available to the web client.
Client

**Macintosh - Limitation to double-click a Suggested Meeting Time**

This issue refers to the list of Suggested Meeting Times in the Scheduler Interface, found in the Meeting Invitation form and the Check Schedules dialog. Double-clicking on an item in the Suggested Times list doesn't 'select' that item.

**Workaround**

Select the Meeting and click the "Use Selected Time" button.

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Client

**Meeting duration expands when changing date in Counter dialog**

This issue may occur when the meeting Chair changes the meeting date, in a specific way, from the Accept Counter dialog. To experience this issue, the meeting must be "Repeating," and the meeting time must be changed first in the Check Schedule dialog, and then once more in the Accept Counter dialog. After this sequence of events, opening the Check Schedule dialog (from the Accept Counter dialog) displays the meeting start time incorrectly.

For example:

1. Open a Countered Meeting Notice for a Repeating Meeting
2. Click 'Accept Counter'
3. Click 'Check Schedules' to open "Check Schedules"
4. In either the Best Times or the Details grid, change the starting meeting time (i.e., change a 9am - 10am meeting to 10am - 11am)
5. Close the Check Schedules dialog
6. On the Accept Counter dialog, change the Meeting start time to a later time (i.e., 4pm - 5pm)
7. Click the 'Check Schedule' button on the Details grid; you will see that the Meeting is now scheduled from 10am-5pm

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Client

**Meeting Scheduler UI on Windows NT**

The vertical bar displaying the Meeting duration in the Scheduler portion (Details grid) of the Meeting Invitation form and scheduling dialogs, is translucently colored so that other busy-time colored blocks (located underneath the bar) may be distinguished. Because of a software limitation, the Windows NT platform displays the Meeting duration bar as a solid color.

**Workaround**

Drag the Meeting duration bar so that the busy-time blocks may be seen.

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Client

**Meeting time changed using the Find Rooms/Resources feature**

In the Meeting Invitation, changing the Meeting date and times in the "Scheduler" dialog for Rooms or Resources, those changes are not reflected in the Scheduler UI portion of the form.

**Workaround**

Change the Meeting Date and times using other methods.
Client

**Non-fatal error displayed in Meeting Scheduler on opening Entry**

A non-fatal error may be displayed when a Calendar Manager opens a Calendar Entry from the Meeting Scheduler UI. This occurs if the Calendar Entry is a repeating entry that was previously marked “Private” and edited to be not private.

**Workaround**

Accept the error message to continue, and the Calendar Entry will display.

---

Client

**Possible stale info when re-accepting a declined meeting.**

If a user declines a meeting invitation, and does not select "Keep me informed of updates", this user won't receive notification of any changes the chair makes to the meeting. If the user subsequently decides to re-accept the meeting (which can be done through the original invitation in mail Inbox, or through the meeting document in the Meetings view of the mailfile), there is no guarantee that the meeting info they have is current, since it will simply be the information from the original invitation.

To avoid this situation, users can select "Keep me informed of updates" when declining meetings -- in which case, meeting information will be kept current, regardless of the fact that the meeting is not on the user's calendar.

If a user did not select "Keep me informed of updates" when declining a meeting, and later re-accepted the meeting, the user should open the re-accepted meeting document, and perform a 'Request Information' to get the latest information on the chair's calendar.

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Client

**Problem dragging scroll box in Summarized Calendar View**

When the Monthly Calendar View is summarized, dragging the vertical scroll box up or down doesn't work properly:

On the W32 platform, dragging the vertical scroll box up or down doesn't move the view data.

On the Macintosh platform, dragging the vertical scroll box all the way up to the top, or down to the bottom, doesn't move the view data, although, it does work when dragging the box part-way down the view.

**Workaround**

If you have this trouble, use the arrow buttons on either end of the vertical scroll bar.

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Client

**Repeating meeting becomes a single meeting**

When the Chair is creating a repeating meeting (or appointment), it will become a single meeting (or appointment) on their Calendar when the Chair gets the conflict dialog and selects 'None', then presses 'OK'.

**Workaround**

Do not select 'None'.

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Client

**Repeating, Multi-Day, All Day Events in Calendar View**

In the Calendar View, a multiple day, repeating "All Day Event" calendar entry only displays in the Calendar View on the first day of the Event. However, these entries do display properly in the Free Time Scheduler information, and are properly accounted for in Conflict Checking.
Client

**Reschedule Repeating Appointments which spans Midnight**

Dragging and dropping a repeating Calendar Entry that spans from one day to the next may display an error; and the dates in the re-schedule dialog are incorrect. This occurs only when you drag the part of the entry that falls on the second day.

**Workaround**

Drag this type of entry by grabbing the entry display on the first day, not the second.

Client

**Resource with forward slash is not found with Find Resource**

If a resource name contains a slash in it (i.e., gym3/groundfloor), and a user tries to search on that name via a manual resource reservation form, or via a meeting notice using the 'Find a resource at a specific time' method, the resource name will not be found in the search results.

Client

**Room unavailable when repeating mtg reschedule date/time overlap**

Attempting to approve a room reservation generated via a repeating meeting reschedule, where time/date on the original meeting overlapped with time/date on the reschedule, you are issued an error message indicating that the room is unavailable when it is actually available.

This is happening for rooms with or without owners

Client

**Sametime meeting not updated with Online meeting in Notes**

Updating an Online Meeting via Notes does not update the Sametime Meeting database. If the Chair wants to change the Invitees, or add/remove attachments without sending a reschedule, nothing will be generated to the Sametime Server with the latest information unless the Chair sends a reschedule.

Client

**Sending a "Pencilled In" Meeting and Free Time**

Any Calendar entry which is marked "Pencil In" will not be logged as "Busytime" when viewed in the Free Time Scheduler UI.

However, if a Meeting (which is marked "Pencil In") is sent and accepted by the Invitee, the meeting duration will be recorded as "Busytime" for the Invitee; the Chair will not have "Busytime" recorded for the meeting because it is still marked "Pencil In" for him/her.

Client

**Updated Invitee list reflected in Scheduler**

In a meeting invitation, if the Scheduler UI is open and the contents of the three Invitee fields are modified (removal of name, name addition, etc.), the list of Invitees in the Scheduler will not be updated until the focus is moved to another part of the form (e.g., click in another field or press refresh).

Client

**User can "Propose" after declining original repeating meeting**

Once you have declined a repeating meeting invitation, you can then propose a new date and/or time. If you do this after declining the invitation, and the Chair accepts your counter-proposal, you will receive a Reschedule notice which will display some text indicating that you cannot process it until you have added the meeting to your calendar.

In order to accept the Reschedule, you must first open the original meeting document that is in a "countered" state and accept it. At this time you will be automatically prompted to process the Reschedule.
Using Local Free Time with contact names in Address Book
The following issue is encountered when using the option to access Local Free Time Information:

If Contact documents have been created in the local Names and Address book (names.nsf), to be accessed for the "names look-up" feature (i.e., while creating E-mail or Calendar & Scheduling entries), the names in the Local Free Time Options dialog must include the Contact’s "mail domain" name. The "mail domain" name may be referenced on the Advanced tab in the Contact document. When entering the list of names in your Local Free Time Options dialog, append an @ sign and the "mail domain" name after the organization name.

Example
There is a Contact document for Person One@mailserver8 in your local Names and Address book. The mail domain field is set to "Domain8." This person’s name in the Options dialog should look like this: Person One@mailserver8@Domain8.

You can NOT span midnight if you manually book a room/resource
You can not span midnight if you book a room or resource directly in the Room and Resource Database. You can book a room spanning midnight when you reserve a room or resource via a meeting invitation.

Zero appearing in beginning of server number
A zero appears in the beginning of a server number in the Call Server dialog box if an area code is entered and a country code is not entered when creating a Notes Direct Dialup server connection document in Phonebook.nsf. When using Phonebook.nsf to create Notes Direct Dialup server connection documents, a zero will appear in the beginning of a server number of the Call Server dialog box if a number is not entered in the Country Code field.

To avoid having the zero appear in the server number box, enter the area code and server phone number in the destination phone number field of the Phonebook Notes Direct Dial server connection document.

Accepting Room and Resource reservations from a browser
A room owner cannot accept or decline reservations from an internet browser. Hence any request for reservation approval that a room or resource owner receives via the web can not be completed from an Web browser.

Calendar Managers get new mail actions they shouldn't have
Calendar Managers with less access than "Read, edit, and create any document, send mail on your behalf" should not see:

‘Junk Email’ folder in the notes mail outline
‘Block Mail from Sender’ action
‘Create Quick Rule from selected document’ action
‘Go to Rules’ action

Console error messages when renaming a room or resource
As of Release 6.5, rooms and resources can be renamed. When renaming a room or a resource, a number of error messages will appear on the server console indicating that the new room can not be validated because it can not be found in the Domino Directory. These messages are from busy time and reflect the fact that the administration process has not yet updated the Domino Directory with the new name of the room or resource.
Client

**Macintosh - Error making multiple changes to repeating meetings**

Under a specific situation in rescheduling calendar entries, the Macintosh client may produce a "cannot execute the specified command" error. This can happen when making multiple changes to a repeating meeting and using the option to reset all the start and end times for that repeating meeting to be the same.

Administrator Client

**Renaming a room or resource**

Two things to be aware of when using the rename feature of rooms and resources:

- 6.5 Beta Customers who have been using the rename feature of Rooms and resources need to update the document that processes calendar entries affected when a room or resource is renamed. To update this document do the following:

  1. Refresh or replace the design of the current room and resource database (resrc60.ntf).
  2. Open the room and resource database on the Domino Server.
  3. Navigate to the hidden view (View, control-shift, Go To, $RenameResourceHelp)
  4. One document is visible in this view, "Update My Meetings button".
  5. Delete this document.

The next time a room or resource is renamed, an updated version of this document will automatically be added to the Room and Resource database.

- Chair must not be MIME - When a room or resource is renamed, a notification with an "Update my Meetings" button is sent to all chairs who have reserved the room/resource by scheduling it via a meeting invitation. In order to properly receive this notification, the chair must NOT be defined in the Name and Address book, Basics tab "Format preference of incoming mail" as "Prefers MIME".

Client issues

Client

**Macintosh - Limitation on size of "alert()" box in Javascript**

On the Macintosh, there is a limit of 255 characters you can pass to the Window.alert() method in Javascript. Any characters beyond 255 are truncated.

Administrator Client, Client, Designer

**Custom Smarticons for Designer and Administrator**

In Notes 6, it is only possible to migrate a single set of custom icons, and this will happen the first time you launch any of the Clients. To migrate additional Smarticon sets, you will need to:

1. Shut down all Clients;
2. Edit the Notes.ini file setting MigrateSmarticons=1
3. Start the application that you want the Smarticon sets migrated to from the Start menu. Smarticons will be brought into that application's toolbars.
Client, Designer

**Euro symbol in views**

In previous releases, the Euro symbol, “€”, did not always display correctly in dialog boxes and in views. It now correctly displays in both, however, if a column in an existing view was supposed to show the “€” and did not, you will need to:

1. Open the view in Designer
2. Open the column properties info box for the “€” column
3. Reselect the “€” as the currency symbol (IMPORTANT: You must reselect the Euro symbol)
4. Save the view
5. Refresh the view to see the “€” displayed

Server

**Forwarding of messages to MIME users**

When forwarding a message from the Notes Client that contains a large amount of text, a few in-line images, or attachments, an error may occur. A dialog box will appear signifying one or more of the source document's attachments are missing.

This appears to occur only when forwarding the message to multiple recipients with MIME storage type configured.

There are few workarounds to this problem until it is fixed:

1. Delete a few of the attachments/images, and it can be sent.
2. Send the document to individual users.
3. Set User Preferences->Basic. Check off “Show in-line MIME images as attachments”.

Administrator Client, Client, Designer

**Help appears to freeze when using "Always On Top"**

The Help database window may appear to freeze in the following situation:

1. In the Help window, choose View->Always On Top.
2. Open a dialog box, for example, File->Database->Open. It opens, but behind the Help window where you cannot see it.
3. The Help window appears to be frozen, because with the dialog box open you cannot perform any navigation in the Help window.

When this problem occurs, press Esc to close the dialog box, which is hidden behind the Help window. You can then continue using the Help window. Or, if you want to use the dialog box, close Help before choosing the dialog box command again.

Client, Designer

**JavaScript code created in R5 memo does not working in Notes 6**

JavaScript code (on a button or hotspot) sent in a memo from an R5 Client to a Notes 6 Client disappears when received by the Notes 6 Client.
Client, Designer

**Known issues using Tables**

Following is a list of the known issues using Tables in Notes/Domino 6:

- 'Size to fit' columns appear as very narrow columns when opened using an R4 Client.
- The table width can become incorrect if 'Size to fit' column contains a section with a border style.
- Changing the bottom border width of a cell does not work correctly. The border value is applied to all cells in the current row instead of the individual cell. This is only a problem when using a cell border style of 'Ridge' or 'Groove', and only a problem in the last row of the table. A possible workaround is to append a row to the table and then hide it using the Hide When panel on the Text Properties infobox.
- Transition effects in animated tables are ignored if the 'Advance on Click' option is specified.

Client, Designer

**Known issues using Embedded Editors**

Following is a list of the known issues using Embedded Editors:

- Specifying a formula for an Embedded Editor is not working when the formula contains a field.
- When using an Embedded Editor linked to an embedded view with the "Selection tracks mouse movement" enabled, multiple documents appear as selected in the view.
- Pasting 'About this Database' and 'Using this Database' docs into an embedded editor, result in a 'Cannot locate form' error.

Client

**Misleading error when field text limit is exceeded**

When pasting large amounts of text into a field, the error "only plain text can be used" is displayed. This error should read "Field contains > 60K of information and is too large to be saved."

Administrator Client, Client, Designer

**Static text lines are overlapped on some dialog boxes**

Static text messages are not readable on some dialog boxes, under non-English environments.

Client

**Status bar now supporting bidirectional text and screen readers**

Due to a rewrite of the status bar code in Lotus Notes and Domino 6, the status bar had not supported bidirectional text or accessibility via screen readers in previous releases. Support for these aspects has been added in this release.

Client

**Using Mail Color Preferences with Macintosh**

In Domino 6, it is possible to select colors for mail items from particular mail Senders, however should you experience difficulties adding multiple names within the control, use the ",," to separate each Sender's name.

Client

"Only plain text can be used" error message appears incorrectly

Entering too much text into a field reports an error "Only plain text can be used", instead of the error "paragraph cannot exceed 64K".

**Workaround**

Use the 'Close' (X) icon on the window to exit the document, without saving the text.
Client

**Crash closing document opened via shortcut from Windows desktop**
Notes may crash after closing an email message which was opened from a shortcut on the Windows desktop.

Client

**Footnoted items display incorrectly when viewing an attachment**
Attached word processor documents containing footnoted items may not display correctly when the attachment is viewed. The footnotes themselves may not appear in their expected locations (e.g. in a multipage document, each footnote should appear at the bottom of each page). Launching the document into its application will verify that the footnotes are, in fact, properly placed.

Client

**HTML attachments do not launch properly**
Attempting to launch an attached *.htm file (using "Open" from the attachment icon's pop-up menu) does not work. The message "Unable to locate program" will be displayed, followed by an empty browser window. The attachment item may be successfully viewed or detached, then opened.

Client

**Replication formula fails when using drag & drop method**
A replica of selective documents created through the 'drag & drop' method will not conform to a customized replication formula on subsequent replication cycles.

In any database, select a document. Drag those documents to the Replicator Page icon; a replication dialog will be presented. Any replication formula entered into the replication options dialog will be ignored by subsequent replications.

Client

**WinXP - Improve performance running Notes Client**
Running the Notes Client on Windows XP can be extremely slow, due to a bad interaction with the "System Restore" facility in Windows. This is particularly evident in the "startup time" to start the Notes Client. To improve performance, you can disable "System Restore" on the Control Panel.

On Windows XP go to the Control Panel -> System -> System Restore tab, check "Turn Off System Restore", then reboot your machine.

Note that this is a temporary solution. Disabling "System Restore" will make it more difficult to restore your operating system in case of a catastrophic failure; we are exploring permanent solutions to this problem.

Client

**'Replace All' and 'Skip All' are disabled for Language Tagging**
The 'Replace All' and 'Skip All' buttons in the Spelling dialog box are disabled for language-tagged text. If using those two options is desired, set the language dictionary as your primary dictionary by doing the following:

1. Choose File -> Preferences -> User Preferences
2. Open the International, Spell Check pane.
3. Select the language dictionary in the Primary Dictionary list
4. Click the "Set as Default" button
Client

**Calendar Printing: changing font has no effect on printout**

If you change the font on the Calendar Style tab of the print dialog, the change will be previewed, however, it will have no effect on the hardcopy printout (will print as default font).

Client

**DocLib & Forwarding Addresses**

If a user is entered in the server's NAB with a forwarding address in their record, DocLib will pick up the forwarding address as the reviewer rather than the reviewer's name, resulting in a case where the reviewer does not have access to review the document. (The forwarding address will have access instead.)

It is recommended that DocLib users NOT have forwarding addresses in their NAB entries. Note that they can have Internet mail addresses in the record and DocLib will continue to function properly.

Client

**Drag and drop of private-in-desktop folders**

Drag and drop of private-in-desktop folders is not supported.

Client, Designer

**If Notes crashes on opening/editing old language tags**

If Notes crashes on opening or editing a document that contains old language tags (i.e., language tagging that was done using early, beta versions of Notes 6), please do the following to correct the problem:

1. Run Lotus Notes R5.
2. Open the document in question.
3. File->Save.

If the document has been created in a multilingual database which uses the option "When text language is unspecified use the form's", please do the following:

1. Run Lotus Domino Designer R5.
2. Open the form that the document was created with.
3. File->Save.

The above operations should void the corrupted language tags. You then need to re-tag the document using this current release of Notes 6.

Client, Designer

**Known drag and drop issues with attachments**

The following are the known issues with drag-and-drop attachments in Notes 6:

- You can only drag and drop one attachment at a time.
- Currently you can not drag and drop an attachment in a Notes document to the Notes Bookmark.

Client

**Mac Only: Unable to print help docs when print dialog is open**

When a Notes Print Dialog is open, users cannot print help documents via the print link, and will receive the following error:

"Cannot print this document while the print dialog is open for another document."

**Workaround**

- Select Help - Help Topics from menu bar
- Search Index for "Print" and open appropriate document
- Print the help document
Macintosh - Java agents don't run on Mac OS X
Java agents are not supported under Mac OS X. They are supported under Mac Classic (OS 9.x).

Macintosh - Large images in documents do not print correctly
Large images in documents will preview correctly, but are cut off on the right side when printed.

Macintosh - Menu shortcuts for some Text items not as expected
On the Macintosh, the 'F1' through 'F4' keys are reserved for the functions Undo, Cut, Copy and Paste; so while for Windows, F2 and Shift+F2 are Enlarge/Reduce size for selected text, for Notes on the Macintosh, 'Enlarge Size' is option-J and 'Reduce Size' is option-E.

Picture Border custom color selection may crash (XP)
Clicking OK, after clicking in the color matrix when applying a custom color to a picture border may crash. This problem is believed to be specific to Windows XP.

Print Preview may not reflect exactly what prints out
There is a discrepancy between the preview of some documents and their hard-copy printouts; there is currently no workaround for this issue.

Subsequent 'Open' after 'Edit' for attachments allows edits
With the Editable Attachments feature, "Edit" should be used for storing modifications to an attached file. There is, however, a case where "Open" saves the user's attachment modification.

When a user selects "Edit", it opens the attachment's application. After closing the application and going back to Notes, if a user chooses "Open" for the same attachment, within the same session of the Notes document (i.e., the Notes document is still open), modifications made during the "Open" session are able to be saved in the attachment.

Although there is no critical effect found by this operation, we strongly recommend using "Edit", and not "Open", for editing attachments.

View/Customize with hidden columns
If a view has untitled columns and a user modifies the view from the client using View/Customize, then clicks the "Defaults" button to return to the default settings for the view, the hidden columns may not be reset to be visible, resulting in the view showing no documents, or missing information in the columns.

Workaround
In View/Customize, click the Show All checkbox so all columns in the view are listed, then click the Defaults button to return to the defaults -- columns will be properly reset to the defaults at this point.
Client

Windows XP - Using WebDAV client with Windows XP

If you use a PC that’s running the Windows XP operating system as a WebDAV client to access databases on a Domino 6 server, you may experience the following intermittent problem. Once a WebDAV database has been mapped using "My Network Places," using Windows Explorer to access the WebDAV database -for example, double clicking on a Collection within the database to open the collection -- appears to be hang Windows Explorer as it searches for data to display. The Windows Explorer screen may be blank during this time.

If this happens, try one of these workarounds:

- Click on the Refresh icon, or pressing F5 to refresh the display.
- Click on the Workspace and then back on the Windows Explorer icon.
- Wait for a few minutes to see if the screen will refresh itself.

If none of this helps, then check the Task Manager to see if Windows Explorer has stopped responding. If it has stopped responding, then try to clear the cache on the client. You can find instructions for doing this in Step 2 of the following TechNote from the Microsoft Knowledge Base article:

http://support.microsoft.com/default.aspx?scid=kb;en-us;Q304133

NOTE: This problem was not seen using Internet Explorer 6 or Dreamweaver 4.01 on XP.

Client

Attachment opens in background

There is a known issue where an attachment doesn’t open in the foreground, if all of the following conditions are met:

1. Attachment is opened via Attachment Properties infobox.
2. Attachment is Microsoft Word or Excel files
3. Operating system is Windows 98 or Windows NT 4.0.

Client

Client Launch with Windows' Single Login feature

If you are using Windows' Single Login feature, and your Lotus Notes Personal Address Book is encrypted, your location document will always default to "None" upon launching the Notes Client.

Administrator Client, Client, Designer

Cross-platform issue: 'Notes with Internet Explorer' browser

The Notes with Internet Explorer browser option in the Personal Address Book location document is a Windows platform only option. This browser choice is not supported on Macintosh. Given this, there are certain circumstances in which the user may have a problem with the browser field value in their location document.

- Internet Browser value deployed via Setup and/or Desktop Policies: If a Setup or Desktop Settings document uses the "Notes with Internet Explorer" browser option, a numeric value will be displayed on the user’s Macintosh Client in the "Internet Browser" field of the location document. This will prevent the user from launching URL links from within the Macintosh Notes Client because the browser value is invalid. To correct this, simply edit the location document and select a valid browser option for Macintosh.

- Roaming Users who have Windows and Macintosh Notes Clients: If a Roaming User has a Notes Client on both Windows and Macintosh systems, they will also run into this problem if their browser option is set to "Notes with Internet Explorer". Because the Personal Address Book is stored on the server for Roaming Users, the browser option will replicate to all of the user’s Notes Clients. Therefore, it is recommended that Roaming Users select a different browser option, which is compatible on all Client platforms.
Client, Designer

**Drag & drop support for attachments**
Notes 6.0 supports drag and drop of attachments, however only one attachment at a time. Drag and drop of multiple attachments is not supported at this time.

If you right click on an attachment in a Notes document and drag and drop that attachment to the Windows desktop you will get two options - copy here and move here. If you select move here it will act like a copy.

Client

**Issues with Hotspots in Rich Text Fields**
Following are issues associated with the Hotspots in Rich Text fields in documents, for Notes 6:

- **Problem**: "Generic LSE Failure" error changing code type from LotusScript to Javascript or to Formula in a hotspot in a rich text field
  
  **Workaround**: Delete and re-create the hotspot - OR - save and close the document then re-edit the document

Client, Designer

**Link frames on Personal Welcome Page "C" has display issues**
If you embed an outline or a date picker in a tabbed table that has a top-to-bottom cell gradient, the table cell will not display correctly. On Windows NT, the cell displays with a solid black background. On the Mac, the cell’s background is gray. This issue does not occur on Windows XP, Windows 98 and Windows 2000.

An example of this issue can be seen if using Personal Page C as your Welcome Page. The 'Web Links' and 'Notes Links' sections of this page will exhibit the above issue.

Client

**Mac OS 9 - Problem with Japanese IME and Java Debug Console**
When Java Debug Console is opened, turning on Japanese IME may cause the Notes Client to crash on Mac OS 9. Don’t turn on Japanese IME when Java Debug Console is opened on Mac OS 9.

Client

**Mac OS 9 - Problem with "Start With" dialog and Japanese IME**
Typing Japanese characters on a database view pane may cause the Japanese characters to be corrupted on the "Start With" dialog, on Mac OS 9.

**Workaround**
To open the "Starts With" dialog box, from the menu select "View -> Start With", then type Japanese characters with Japanese IME on Mac OS 9.

Client, Designer

**Macintosh - Anchor links don't always link to correct spot**
An example of this issue is that the alphabetic links at the top of the page in the 'Glossary' section of the online Help do not jump to the correct location of the document.

Client

**Mail Rules: Fully-qualified name, first forward slash stripped**
When you create a client mail rule, and you choose "If Sender is Lisa Rowe/Westford/IBM", and press Add, you will see that the condition that got added is actually "If sender is Lisa Rowe".

**Workaround**
Create a rule that states: "If sender contains Lisa Rowe AND sender contains Westford AND sender contains IBM, then move to folder". It’s a few more steps to get the rule that they are looking for.
Administrator Client, Client

**Multi-user shared dir needs Write access on NTFS system partition**

If you are using Windows NT, 2000 or XP with a system partition formatted with the Windows NTFS file system, non-administrator users may have trouble accessing the Notes shared data directory in a Notes multi-user client installation, because the directory that contains shared information is set to Read-only.

Non-administrator users may encounter errors that prevent setting up, and prevent accessing help, release notes or other files in, the shared directory. To work around this problem, an Administrator of the machine should change the Data Properties for the following folder: \[system\]\Profiles\All Users\Application Data\Lotus\Notes\Data. The Data Properties should be changed so that the Security Permissions properties, for the group named "Users", are set to also allow "Write" access to this folder.

Client

**Multiuser client can't browse to private directory if hidden**

The default system level folder options on Windows 2000 and XP specify that hidden files and folders should not be shown. With a Multiuser Notes client, the users private data directory is stored in hidden profile folder. Therefore, the user will not be able to browse to this directory via the Notes client.

Workarounds to this problem are:

1. The system administrator can change the system level folder options such that hidden files and folders are shown or
2. The user can type in the path to the private data directory.

Client

**OLE "associated files" is not supported across platforms**

OLE "associated files" info is written to nsf files in the host's data format, resulting in the data not being to be read by different platforms.

Client, Server

**Remote Debugger - selecting an event does not update variables**

The Variables pane displays variables for the currently selected stack frame. This is selected either by stepping through the code, in which case the frame corresponding to the currently executing line is displayed, or by selecting a particular call frame from the "Calls" window.

Selecting an event should not update the variables, since you can select any event, not necessarily one that is in the call frame.

Client

**Setup does not check for disk space on a multi-user Notes client**

Notes client setup does not check for disk space on a machine installed with a multi-user Notes client. If there is insufficient disk space to complete setup, the user will not be able to use the Notes client.

Client

**To view Welcome Page containing "UK My Lycos" use Notes with IE**

To view the current welcome page selection "Headlines with UK My Lycos", you must have Notes with Internet Explorer set as your internet browser.
Client

**Win95 - Thai default multilingual font should use CordiaUPC**

Currently, the default font for Windows 95/98/NT 4.0 Thai will be set to "Tahoma". This is an issue on Windows 95 Thai because it doesn't have this font in the system.

If users wish to display Thai characters correctly, they must change the Default Font at "User Preferences" to be another Thai font, such as MS Sans Serif (same as on R5). However, MS Sans Serif is not the TrueType font, so it can display on-screen only, not for print.

**Workaround**

There are two workarounds to this issue:

1. Have the user install the "Tahoma" font on their Windows 95 machines (the font is available for free from Microsoft).
2. The user can add the line "StaticFont3=CordiaUPC|0|26" to their Notes.INI file.

Client

**Windows 95/98 - Error upgrading Client from earlier beta release**

On Windows 95/98 systems, when upgrading from the "Pre-release 2" beta version of Notes 6 only, installation hangs after removing old files. Currently, the user is unable to upgrade MSI install -> MSI install. Users must first do a complete uninstall, using add/remove programs, and then install the Notes client.

Client

**Windows XP - Error: Can't relaunch client after upgrade**

By default, XP will not give other users write or modify permissions when a user creates a new folder. Therefore, the creator of a directory **must** specify any permissions other than read and execute. This means that if one XP user installs Notes to be used or upgraded by a different XP user, the installing user will have to specifically give the other user access to the Notes directories. If not, you will see the following error message:

"This application has failed to start because ltsb01.dll was not found. Re-installing the application may fix this problem."

Client

**Adding SOCKS5 proxy for instant messaging to Location doc**

If you are adding a SOCKS5 proxy for Notes instant messaging for a Location, and your proxy server can resolve server names locally, make sure you select 'Resolve server name locally' on the Instant Messaging tab of the Location document. If you enter the SOCKS5 settings during Notes setup, this option is selected by default, but if you add or change the setting later in a Location document, you must select it.

Client

**Archive path may be truncated if too lengthy**

The archive path defined under 'Archive Settings' may be truncated in N/D 6 due to path length or use of capital letters. If the path is shortened, or if a long path is defined using lower-case (thus taking less "space" in the field), the problem does not occur.

**Workaround**

Use a "smaller" path, either by using lower-case, or shorter paths
Client

**ASSERT(SigDataLength) when opening a specific document**

This workaround is for those customers who are participating in the beta program, running non-production builds.

If you see a red box crash with ASSERT(SigDataLength), please do the following to correct the corrupted signature in the document:

1. Open the document using Notes 6.x production build, dated later than 60_06262002.
2. Make some changes (adding blank new line or a space) and save the document using the production build. This should overwrite the corrupted signature with the new correct one.

Administrator Client, Client, Designer

**Client Reconfiguration Wizard & location document**

As noted in the on-line documentation, it is important to switch to the correct location document before using the Client Reconfiguration Wizard to configure a new connection, internet account, proxy server, or replication schedule. The Wizard applies new settings/changes to the current location document only.

Client

**Design elements not replicating to the Archive file properly.**

After upgrading to Notes Domino 6, existing Archive files do not receive the Design elements to fit the new Archive file design.

Client

**Documents not selected using "All Documents"**

In the Archiving -> Document Selection Criteria dialog, choosing "All Documents" from the "In these views or folders" view doesn’t select any documents when Archiving is run.

By default, all documents in the file are already selected so, in this dialog, you can specify views if you only want to Archive certain sections. The selection process works if you use other views such as Inbox and folders.

Client

**Follow Up Alarms**

When you flag a mail message for follow up, you have the option of setting an alarm as well.

For the alarm to work, you must have alarm notifications enabled in Mail preferences. This setting is located in Mail Preferences under Calendar & To Do / Alarms.

Client

**Get "Cannot execute specified command" with Chat actions**

If you are not logged into instant messaging then the chat actions in mail views, folders and forms will return "Cannot execute specified command" rather than attempting to log in to instant messaging.
Client

IM - Contact List displays "Unavailable"; 'Add' doesn't work

The following issues occur when one user (User B) who does not currently have a Contact List via Sametime Client, is logged on with another user (User A) via Lotus Instant Messaging:

- User A sends User B an e-mail; User B clicks on the message from the Inbox and selects 'Chat/Show Contact List'.
  
  The Contact List comes up as Unavailable

- User B closes the Contact List, highlights the message from User A, and right-clicks 'Add to Instant Messaging Contact List'. User B then selects 'Chat/Show Contact List'.

  User A didn't get added to the list - still displays as 'Unavailable'. Additionally, the "Instant chat meeting" and "Add person/group" buttons on the Contact List don't do anything.

Client

Incorrect Archive error

If you enable "Just clean up this database without archiving" in the 'Archive Criteria Settings' dialog, and then try to archive selected documents, you get the following error:

There are no Archive policies set up for this mail file.

If you have multiple enabled settings, the others will work, but not the one with "Just clean up this database without archiving".

Client

Instant Messaging: Not finding person by first or last name only

When you are logged on to instant messaging in Notes and either start a chat or try to add a person to the Instant Messaging Contact List, entering only the person's first or last name brings up a list of matches. However, if your company's instant messaging (Sametime) directory comprises more than one directory, only the first directory is being searched in these cases, and the list of matches might be incomplete.

Workaround

Enter both the person's first and last name in these cases. If you are trying to add a person to the Instant Messaging Contact List and do not know both the first and last name, click the "Browse directory" button, select the directory that includes the person, enter the person's last name, and click Search (or use the up and down arrows to view all the last names in the directory until you recognize the name you want). If you want to start a chat and do not know both the first and last name, choose File - Instant Messaging - Start Instant Meeting, click "Add Invitees," click the "Browse directory" button, and then follow the instructions above.

Client

New mail indicator after Archiving

At times you may receive a new mail indicator when there is no new mail, after archiving is run.

Client

Notes crashes shutting down with chat window open

Users may experience a crash when shutting down the Notes client while a chat window is open. Be sure to close chat windows before shutting down Notes.

This issue will be addressed in a future release of Notes.
Client

**Notes may crash when focus is on Body fields**
The Notes client may crash when Body field get focus. Users can avoid this crash by adding the following line to the Notes.ini file before launching the Notes client.

`DisablePrinterFonts=1`

This happens because the Notes client attempts to scan for the printer's additional fonts (if any) to be added to the list of fonts available to the users.

When a user sets the above in the Notes.ini file, Notes does not add the printer's additional fonts to the font list.

Administrator Client, Client, Server

**Roaming user not supported with flat user ID**
Only those users who have a hierarchical ID (e.g., CN=Jane Doe/OU=East/O=Acme) can be upgraded or registered to roam. Please contact your Notes/Domino Administrator to have your user ID recertified to a hierarchical format if you desire to use the Roaming User feature. For further information on recertifying an ID from flat to hierarchical, please see the topic called "Upgrading a User Name from Flat to Hierarchical" in the Lotus Domino 6.x Administrator Help Guide.

Client

**Unable to log back into Notes when Notes is minimized**
If a chat window is open with the Notes minimized, and Notes automatically logs out, you cannot log back into Notes simply by clicking on the Windows taskbar Notes button. Press the space bar to display the Notes log-in dialog.

Client

**Welcome Page - Quick Notes Help box error**
The Help dialog that shows when the question mark in the Quick Notes frame of the Welcome Page is pressed is incorrect. It currently says:

"Images added to Quick Notes automatically resize to 240 (height) pixels and 170 (width) pixels"

This is incorrect and should read:

"Images added to Quick Notes automatically resize to 170 (height) pixels and 240 (width) pixels"

Client

**Workplace: Change View to Calendar truncates some data**
In the Welcome Page's 'Workplace Today' pane, changing the view to Calendar may truncate some data in the embedded view, when compared to the same embedded view in the Today's Calendar pane.

Client

**Workplace: Multiple errors when location data is incorrect**
Upon launching the Notes 6.5.x client, the last used location document may contain Mail Server and Mail File information that is not accurate. When using Workplace as the current Welcome Page, you will see the following error, "Server Error: File does not exist" as many as seven times. This is due to the bookmark database retrieving the last known data, and is a software limitation.
DECS issues

Administrator Client, Client, Designer, Server

DECS Operational Considerations
This release note outlines DECS considerations in Domino/Notes 6.

Upgrading the DECS Administrator

If you have upgraded a Domino R5 installation that had DECS enabled, you must use the Replace Design action using the new DECS Administrator template in order to update the existing DECS Administrator database. If you do not do this, DECS activities scheduled as automatic may not operate correctly. Before upgrading, disable DECS, and then upgrade Domino. After upgrading Domino, perform the Replace Design task on the DECS Administrator using the decsadm.ntf and then re-enable DECS.

If you purchased LEI and wish to upgrade the activities and connections in your existing DECS R5 Administrator to LEI Release 6 you can do so automatically as part of the LEI Release 6 installation procedure. See the IBM Lotus Enterprise Integrator for Domino (LEI) Installation Guide (leiig.nsf) supplied with LEI Release 6 at http://www.lotus.com/idd for complete details.

DECS Virtual Fields (previously RealTime) Activities

- When using a DECS Virtual Fields activity to monitor a form containing an encrypted field, the data in the encrypted field is not transferred to the external system.
- Unmapped field and key values disappear after document is saved. This only occurs when the document is left open on save (Ctrl-s). The workaround is to close and reopen the document after save.

Domino Designer Integration - Data Connection Resources

- DCR messages may appear twice in the log and on the console.

Lotus Connector Considerations

- Using the Lotus Connector for ODBC to connect to Microsoft SQL Server (7.0, 2000) is not supported in this release. Use the Lotus Connector for OLE DB instead.
- The EDA/SQL Connector is no longer supported.
- Running DCTEST on Solaris to test Sybase connectivity is not currently supported.
- When using the DataDirect ODBC drivers with DECS, connections to DB2 cannot be used in conjunction with connections to ODBC. In cases where this scenario is needed, use the Lotus Connector for ODBC to connect to DB2; not the Lotus Connector for DB2.

Administrator Client

Create event processes notes created by the mail router
When the mail router attempted to create a new note in a database monitored by the DECS Create event feature, the action failed due to a noteid value discrepancy. If DECS was monitoring the Update event, the noteid also caused the update code path to run and fail with a not found error. This issue has been corrected.

Server

Linux on zSeries - DECS supports only DB2 connections
DECS for Linux on zSeries will only support connections to DB2.
Designer issues

Designer

Issues related to the Designer UI
Following are issues associated with the Designer UI in Notes/Domino 6:

- **Problem:** When adding databases from different domains to your Designer client, as well as databases you modify with different IDs, when you launch Designer, it will try to connect to every database, many of which your current ID will not have access for.

  **Workaround:** Put databases that are being modified with different IDs in separate Designer folders.

- **Problem:** Designer Folder not showing up on bookmark bar until restarted under certain conditions. If you drag one designer folder on the designer bookmark bar into another folder on the designer bookmark bar, new designer folders will not appear on the designer bookmark bar until designer is restarted.

  **Workaround:** Restart designer.

- **Problem:** Add Bookmark list cleared when new folder is created via Open Database dialog.

  **Workaround:** None. This is a software limitation at this time.

- **Problem:** New designer bookmark folders not being displayed on designer bookmark bar when database Bookmark.nsf - Bookmarks(6) - is displayed in active folder.

  **Workaround:** Restart designer.

- **Problem:** New local replica not showing expand (+) icon next to element collections in db list (e.g., Forms)

  **Workaround:** Restart designer.

Designer, Server

Server Error: Entry not found in index inserting resource

When inserting a JavaScript Library resource into the JS Header of a Page, Form, or Subform on one server (or local db), and that resource is located on another server, that other server must be listed the Catalog\Domain Search Server. Otherwise, you will receive the error:

Server Error: Entry not found in index.

The JS library load code is in the back end so that it is common between clients (Notes Client and the web server). This means it does not use (can't 'see') the client bookmarks/Desktop. This is why there is a disparity between the front end UI which does use the bookmarks/Desktop and the compile (for JSHeader) and in-line JS library. The backend looks in the data directory for the database and if it isn't found it will do a search of the database catalog (the results of a catalog search are cached so only the first lookup may be lengthy).

When using JS libraries from databases on different servers the shipping application must either include that database, or the client the application is installed on must be able to find the database via a catalog search (which can be set in the Location document, Servers tab, Catalog\Domain Search Server field).

Designer

Action Bar Button Size properties not supported for web clients

The Action Bar Button Size properties not supported for web clients are:

- **Button Size:** Height, Width, and Margin.
Dual coded Actions trigger differently than Button & Hotspots

When designing applications with dual-coded Actions, Buttons, or Hotspots, keep in mind that the Notes R5.x clients will:

1. Trigger the code in Client event for Buttons and Hotspots.
2. Trigger the code in the Web event for Form or View Actions.

Issues related to Designer Locking

Following are issues associated with the Designer Locking feature in Notes/Domino 6. All of the issues describe scenarios where Database Property Designer Locking is ON:

- **Problem:** Cannot resave new Framesets.
  **Workaround:** Create, Save and Close a new frameset. Reopen the existing frameset and now multiples saves can be made during the editing session.

- **Problem:** Cannot modify infobox for new Data Connection resource in database unless it’s locked first
  **Workaround:** Create the New Data Connection Resource. Close the Infobox. Lock the Untitled Data Connection Resource. Open the Data Connection resource and now any edits can be made

- **Problem:** Able to save changes to Subforms in disconnected mode after choosing No to the prompt asking if you want to be able to save changes.
  **Workaround:** None. This is a software limitation at this time.

- **Problem:** No prompt to save changes after modifying Database Script in a database in disconnected mode.
  **Workaround:** Save changes manually before closing (<esc>) out of Database Script

Modification to imported Java agents

Modifications to existing imported Java agents must be done on the system where the class file exists. For example:

- You create an imported Java agent on the local client, using a class file located in local path c:\classfiles.
- The database is replicated up to the server, and runs without problems.
- If you use the Designer and modify the Server version of the imported Java agent, for example you switch it from Shared to Private, and run the agent, you will get the error "Note Item Not Found". This is because when the agent was saved the class file was not available on the server.

Edit the imported Java agent and do a "ReImport Class Files", then "Refresh All Files", Save, and Exit.

No standard sequence of events in Web browsers

The standards do not state the order in which the onBlur and onChange events should be triggered.

Since there is no standard defined, the order is left up to the implementer. Netscape 6 does it the same way as the Notes Client, Field events onBlur will trigger, and then onChange. Netscape 4.7 and Internet Explorer will trigger Field events onChange, and then onBlur.
**Picture events that are not supported**

The following Picture events are not supported for either the Notes or Web Clients:

- `onHelp`
- `onKeyDown`
- `onKeyPress`
- `onKeyUp`

**R5 clients will run the Notes 6 coded "Web - Javascript" code**

In R5, some events supported JavaScript for Web Clients only, or for both Notes and Web Clients, depending on the event; this was not UI-controlled. In Notes 6, with the new UI, the designer can configure `Client - JavaScript`, `Web - JavaScript`, or `Common Javascript`.

When designing `Client - Javascript` events, keep in mind that R5 Notes clients will only execute the JavaScript code in the `Web - Javascript` UI.

**Some Subform events not supported on Web Clients**

The Subform `onHelp`, `onLoad`, and `onUnload` events coded for `Web - Javascript` are not supported on Web Clients.

**Unable to edit tabs with ruler if editing RTF in a tabbed table**

Users are unable to add/edit tabs using the ruler while editing a Rich Text field that is in a tabbed table.

**Designer - Backend MIMEEntity methods update position in Stream**

Reading from or writing to a Domino 6 backend Stream object using the LotusScript or Java Stream class methods has always set the Stream position, but reading from or writing to a Stream using MIMEEntity methods, such as "GetContentAsText", has not previously caused the Stream position to be updated.

Now that position is updated by MIMEEntity methods (to the end of the stream), and so following their use, the Stream position needs to be reset (e.g., "Stream.SetPosition(0)") before a successful Stream "read" can take place.

**View/Column Properties: Advanced Format tab**

When a user selects a column style from the drop-down listbox on the 'Advanced Format' tab, it doesn't imply that they are setting that property for the column, it just shows the extended properties for that style. This functionality is not new in this release however, in previous releases, the extended properties for those column styles (i.e., Number, Date/Time, etc.) were kept on separate tabs.

Also, when opening to the 'Advanced Format' tab the style displayed by default will not necessarily be the style that was last accessed/edited by the user, however all settings changed on the extended properties for each style will be saved and implemented.

**View/Column properties: Names style**

If a user wants to set a column to be of style type "Names" they must make a selection in the extended properties of that style on the Advanced Format tab of the Column Properties infobox in order for it to be enabled and saved.

Also, in order to disable the Names style, a user must uncheck all extended properties on that tab.

Additionally, enabling "Names" as the column style overrides any other style type for that column.
Directory issues

Server

Server - IMAP "Other user's domain delimiter" Netscape setting

Attempting to use Namespace with the Netscape client, you will experience a problem accessing these folders. This is due to a problem on the client that does not handle the Notes separators properly.

In the Server Configuration document under the 'IMAP - Public and Other User's Folders' tab you will find a new field; the 'Other user's domain delimiter' field. Please insert any character except '/'; we would suggest using the '|'

character.

Server

LDAP Schema

Domino LDAP Schema database

There is a new Domino LDAP Schema database created from the template SCHEMA.NTF. This database replaces the R5 version that was created from SCHEMA50.NTF. A new process called the schema daemon, spawn by the LDAP service, creates the new Schema database on the Domino Directory administration server. The schema daemon replicates the databases to all Notes/Domino 6 servers in a domain that run the LDAP service, ensuring a consistent schema throughout a domain.

The Schema database is also a tool you can use to extend the schema.

Upgrades from R5

- If you're upgrading an R5 server that runs the LDAP service to Notes/Domino 6, the install program deletes the R5 SCHEMA50.NTF template and the LDAP service deletes the R5 SCHEMA50.NSF database. If you want to retain these files, rename them before you upgrade.
- If you've previously extended the schema in R5x using the Domino Designer, you will not lose your changes. The schema changes will appear in the new SCHEMA.NSF database.

LSCHEMA.LDIF

The Notes/Domino 6 installation process installs the file LSCHEMA.LDIF in the Domino data directory of a Domino server that will run the LDAP service. The Domino Directory administration server uses this file, along with the Domino Directory forms and schema extensions defined in the Domino LDAP Schema database, to build the Domino LDAP schema for a domain. The LSCHEMA.LDIF file holds the schema elements for all LDAP standard object classes in RFCs 2247, 2252, 2256, 2739 and 2798, which are now supported in Notes/Domino 6. This information is stored using the LDIF file format.

Due to the intricacies of the LDIF file format and the critical nature of the information it contains, Lotus recommends that you do not use the LSCHEMA.LDIF file to extend the LDAP schema. The recommended way to extend the schema is to modify the schema.nsf database, although extending the schema as you did in R5, by modifying the design of the Domino Directory, is still supported.

You can also use a Lotus Notes 6 client, or a Netscape Navigator or Microsoft Internet Explorer client with Java Scripts and Java Applets enabled to extend the schema through the Domino LDAP Schema database.

Extending the schema

- The first time LDAP is loaded and a new Domino LDAP Schema database is created on the Domino Directory administration server, it may take up to 10 minutes to build all the necessary views. During this time, certain syntaxes may be unavailable. Wait 15 minutes before extending the schema to avoid potential issues.
- If extending the schema from the Server Administration client, you will not be able to approve the changes for schema daemon processing from inside the Administration client as the "Approve" button is not being displayed in this release. Instead, you should open the schema.nsf database from a Notes client and use the "Approve" button.

Note: The Help documentation states that you can restart the LDAP task in order to incorporate newly created schema elements. This is not working in the current release. When the schema is extended, you should instead run the Tell LDAP ReloadSchema to process the new schema elements.
LDAP - Returning aliases and duplicate attributes has changed

In Domino 6, when an LDAP client requests to return an alias of an attribute, the formal attribute is returned rather than the alias. For example, the following search returns the "sn" attribute rather than the requested alias "surname."

```bash
ldapsearch -h ldap.acme.com "objectClass=*" mail cn surname
```

In addition, when a client requests to return attributes that are duplicates, only one value is returned. For example, the following search returns only "sn" and not duplicate values for the aliases "surname" and "s."

```bash
ldapsearch -h ldap.acme.com "objectClass=*" mail cn surname s sn
```

In R5, aliases and duplicate attributes were returned when specifically requested.

LDAP searches of groups

Searches of Domino groups

In both R5 and Domino 6, the following LDAP search filters used to search the Domino Directory return results for Domino groups.

<table>
<thead>
<tr>
<th>Search filter</th>
<th>Why Domino group entries returned</th>
</tr>
</thead>
<tbody>
<tr>
<td>objectclass=groupOfNames</td>
<td>The dominoGroup object class inherits from groupOfNames object class.</td>
</tr>
<tr>
<td>objectclass=groupOfUniqueNames</td>
<td>This object class definition allows Domino Groups to be used to authorize database access for Netscape Communicator clients, which require the groupOfUniqueNames object class definition.</td>
</tr>
<tr>
<td>member=*</td>
<td>The member attribute is defined by the groupOfNames object class, which dominoGroup inherits from.</td>
</tr>
<tr>
<td>uniqueMember=*</td>
<td>This attribute is defined by the groupOfUniqueNames object class. See second item in table.</td>
</tr>
</tbody>
</table>

Searches of groups other than Domino groups

In R5, all group entries created in the Domino Directory are defined as the dominoGroup object class. In Domino 6, this is no longer a requirement -- using an LDAP application, you can create entries defined by any of the standard LDAP object classes, such as groupOfNames, or groupOfUnique names, or by a custom group object class created for your organization. Such group entries are accessible only through LDAP, and are not visible in views from a Notes Client.

LDAP service and remote search operations

The LDAP service can extend search requests to a Domino Directory on a remote server. For example, if the server that runs the LDAP service has a Configuration Directory, it extends LDAP search requests to a remote primary Domino Directory. Or a server running the LDAP service can use directory assistance to extend LDAP searches to a remote secondary Domino Directory.

Domino 6 servers may have to take additional steps to guarantee that a Domino LDAP service running on another Domino 6 server can successfully search the former’s Domino Directory. Starting with this release, when extended access (xACLs) is enabled for the remote directory, or when the search request comes from an authenticated LDAP client, in order to do the remote search, the database ACL on the remote directory must give the server that receives the LDAP request at least Reader access, defined through a "Server" or "Server group" entry. By default, the LocalDomainServers and OtherDomainServers groups have the required access in the Domino Directory ACL, so you don’t need to do anything for the normal case where both servers are in the same domain.
LDAP service clients using Microsoft Windows XP and SSL

Using LDAP with SSL on Microsoft Windows XP requires that a root certificate be present in the Microsoft client's certificate store. If the SSL server certificate for the LDAP server was not issued by one of the Certificate Authority roots built in to Internet Explorer, you must install a new root certificate.

1. Determine the name of the certificate authority that issued the SSL server certificate. Connect to the server, using SSL, with a Web browser. Do this by entering https:// when you enter the URL.
2. In the security alert dialog, click "View certificate" and see the name in the "Issued By" field. This is the common name of the issuing certificate authority.

   Note: If you use https, and no security alert is displayed, you may already have the required root or SSL server certificate installed.

3. Click Tools - Internet Options - Content - Certificates. You can view the SSL server certificate on the "Other People" tab, and see the "Issued By" name in this way. You can also check for installed roots on the "Trusted Root Certification Authorities" tab. If the issuing root for the SSL server in question is already present, no further action is required. If not, proceed to step 4.
4. Contact your administrator to locate the server running the Certificate Requests database for the issuing certificate authority identified in the previous procedure. The Certificate Requests database is commonly named "certreq.nsf". Open the database using the Internet Explorer Web browser (for example, http://ca_server.com/certreq.nsf) and click "Accept this Authority in Your Browser." This installs the root certificate.

Allowing users to see column values when extended ACLs are used

If you use an extended ACL to prevent a user from reading a field in documents, if a column formula in a view uses the field, the user will not see values in the column. To allow a user to see values in a view column when extended ACLs are used, make sure the user had read access to all of the fields used in the column formula.

Configuration directories with Extended Access enabled

In a mixed environment for a Domino Domain (R5 and Domino 6 servers combined), if there are any Domino 6 servers that use Configuration directories with Extended Access enabled, these servers must have Directory Assistance configured that points to only Domino6 directories as the remote primary directory.

If directory assistance points to a remote primary directory on a previous-release server, or if the default logic (rather than directory assistance) locates a remote primary on a previous-release server, the extended ACL settings aren't enforced.

LDAP does not honor "Not access server" for Anonymous

If "Anonymous" is listed in the "Not access server" field in the Security section of the Server document and an Internet Site document is configured and enabled for that LDAP server, Anonymous LDAP access is not being denied.

If Internet Site documents are used, then LDAP Anonymous access must be controlled from the Directory tab in the Ports, Internet Ports section of the Server document.
Administrator Client

**LDAP Domino Upgrade Service group migration limited to 500**

Group entries in the LDAP Domino Upgrade Service are created when you select a group to migrate. Based on the options that you choose in the Group object classes section of the Advanced LDAP Migration Options dialog box, the members contained in those groups may also be migrated. Currently, the limit of group members that will be migrated into a Domino Directory for each group is 500.

Refer to the “Migrating Group Entries” chapter in the ‘Mail and Directory Migration’ section of the Lotus Domino Administrator 6 Help documentation for more information on how to create new group object classes, and to add member attributes.

Server

**LDAP searches for naming contexts after upgrading from Release 5**

If you use directory assistance in Release 5, after you upgrade to Domino 6 do the following to ensure that LDAP searches of the namingContext attribute work correctly:

1. Replace the design of the existing directory assistance database with the Directory Assistance (6) template.
2. Make a minor edit to the contents of the directory assistance database and save the changes.
3. Restart the LDAP task.

Server

**LDAP will not honor abandon operations over SSL connections**

The LDAP server will ignore abandon requests sent over SSL connections. LDAP will detect and honor the loss of the connection, which may be used as a workaround to terminate long-running search requests over SSL.

Server

**Maximum Internet Name & Password settings with Extended Access**

The default database ACL setting on a Domino Directory for "Maximum Internet Name & Password" is "Editor". When Extended Access is enabled, this setting affects authenticated LDAP searches. If an entry in the database ACL is set higher than Editor access, for example, Manager, that user’s database will be lowered to Editor when authenticating with their internet password.

In order for authenticated LDAP searches for entries with Manager access to override Extended Access restrictions, set "Maximum Internet Name & Password" to Manager by selecting File -> Database -> Access Control -> Advanced.

Server

**NAMELookups to Remote Directories with Extended Access warnings**

NAMELookups to Remote Directories with Extended Access enabled may issue warnings when the 'remote Domino server' does not have Extended Access enabled, but the remote Directory does.

When a Domino server tries to access a remote Domino Directory that has Extended ACLs enabled through Directory Assistance, the remote server must know about this Directory being accessed. In other words, this Directory indicated in Directory Assistance on the first server must either be the Primary Directory on the remote Domino server (typically names.nsf), or a Local Secondary Directory configured through Directory Assistance on that same remote server.

If you attempt to access the remote directory without the remote server knowing of the remote directory, the first attempt will produce the following message on the first Domino server.

**WARNING:** NAMELookups from this server to the remote Domino Directory is prohibited. Correct by creating a Directory Assistance document for it on remoteservername.

This additional security requirement applies only when there are remote Domino Directories with Extended ACLs enabled. Remote directories without Extended ACLs enabled need not be configured in their remote server’s Directory Assistance.
**Client**

**Problems deleting Contacts added from Verisign's LDAP directory**

Already existing contacts that were added to Personal Address Book from Verisign's LDAP directory are removed from the view but are not deleted from the database.

**Workaround**

Go to ($$Users$$) hidden view and delete the contact from there.

**Server**

**Clustering servers when using a central directory architecture**

Do not mix servers with Configuration Directories and servers with primary Domino Directories in the same cluster. Mixing the servers in this way can cause users to encounter server authentication and database authorization problems. All the servers in a cluster should be configured to use the same type of directory.

**Administrator Client, Client, Server**

**Directory use with mixed-language locales**

When a Domino directory - whether based on pubnames.ntf or a Condensed Directory Catalog - is built for use with a particular language and locale (for example, French), and is then viewed by a client that honors a different language and locale (for example, German), the sort-order of names in the directory's views will most likely be incorrect.

**Workaround**

When building a directory, it is important that the directory is built in the same locale as where it is intended to be used. For example, a directory built on a server running the French locale must only be accessed by a client running the French locale.

While this can potentially affect every type of Domino-based directory, it is most noticeable in the case of Condensed Directory Catalogs (CDCs) and in the implementation of a Domino Central Directory. It is recommended that users have a CDC and/or a Domino Central Directory for each locale used in the organization's domain.

**Administrator Client, Client, Server**

**Enabling SSO for foreign LDAP directory entries with @ signs**

This describes a workaround for foreign LDAP directory entries that contain an @ sign in the relative distinguished name (RDN). In order for these users to use single sign-on to access a Domino server, Domino administrators need to do the following:

- Enter the LDAP DN in the "Shortname/User ID" of the Person document for each LDAP user that requires SSO access. The LDAP DN should be formatted in the Notes style, using slashes instead of commas.
- On the Internet Access section of the Security tab of the Server document, enable "More name variations with lower security."

For example, if the LDAP DN is:

```
cn=jane_doe@acme.com,ou=acme,o=acme,c=us
```

Than you would enter the following in the "Shortname/UserID" field:

```
cn=jane_doe@acme.com/ou=acme/o=acme/c=us
```

**Administrator Client, Client**

**Sametime - Ambiguous name match using IM**

Some users may not see an on-line status for people in their Instant Messaging contact list, in e-mail messages, or in their mail database views and folders. If the user attempts to send an instant message to one of those people, they will get an ambiguous name dialog with 2 or more entries that are actually the same. Choosing one of the names will successfully start a chat.

This will occur for users with Sametime servers that have multiple directories, and two or more of those directories contain an entry for some person. This issue will be addressed in a future release of Notes.
DOLS issues

Administrator Client, Client, Server

**DOLS platforms and system requirements**

DOLS is supported on Win32 clients. DOLS is supported on Win32, AIX, Solaris, and Linux servers.

**Client System Requirements:**

- Intel Pentium
- Minimum RAM, 128MB; recommended RAM, 256MB
- 500MB free disk space recommended for basic operation
- Additional disk space for each subscription, depending on size

**Browser Requirements:**

- Internet Explorer 6.0 or greater

Client

**Problems installing subscriptions with IE 5**

- If users attempt to install a subscription using Internet Explorer 5.01, they may receive the following error: "Error 500 attempting to request offline configuration data" dialog appears, followed by "Error requesting offline configuration from the server."

**Workaround**

Users should install a later version of IE.

- If user attempts to install a subscription using Internet Explorer 5.0 with 128 bit encryption, they may receive the following error: "DOLS DSAPI error: user must be logged in in order to go offline."

There is currently no workaround.

Administrator Client, Designer, Server

**Limit subscription names to fewer than 30 characters/bytes**

Some subscription titles with international characters (double-byte or multi-byte) are truncated when the subscription is downloaded. The workaround is to use a title that contains fewer than 30 characters or bytes (if multi-byte).

Client

**Multiple directory catalogs may be confusing**

Each Web Mail subscription installed on a Client can have its own directory catalog. This includes iNotes Web Access (R5), Domino Web Access (6) and Extended Mail (R6) databases, or any other customized DOLS enabled database that includes the directory catalog. If several subscriptions with directory catalogs are downloaded to the same machine, several issues may arise:

- Any user with a subscription on that machine can read all of the installed directory catalogs, since they will all be listed in the address selection dialog.
- All the directory catalogs with the same name will appear in the address selection dialog of any Web Mail subscription on that machine.
- Despite having the same name, directory catalogs can contain different information, if they have different replication schedules. If the user can't tell which one is most up to date, they may be using an outdated catalog.

**Workaround**

Make sure that all directory catalogs on the same Client have the same replication schedule.
Administrator Client, Designer, Server

**Problem viewing "Out of Service" databases on a clustered server**

When a user installs a subscription offline, then an administrator or designer marks the online version "Out of Service," the user can still synchronize with a replica on another server in the cluster.

But when the user then tries to use the Web Control or Domino Sync Manager to view the database online, they get an error.

Administrator Client, Client, Server

**Internet password not synchronizing**

If a user downloads a subscription, then changes their Internet Password in the Person Record on the server, they get an "Access denied" error if they try to use the new password to open the subscription offline. This is because the password does not synchronize from the server to the offline Domino Directory (DOLNAMES.NSF).

**Workaround**

After deleting the subscription, and reinstalling, the user will be prompted for the sync password which is now different from the internet password. After synching, go offline, and you will now be able to enter the new internet password to access the db.

Administrator Client, Designer

**Subscription desktop icons may not appear**

A subscription icon may not appear on the desktop if the subscription:

- Has Unicode in the title, or
- Has a character in the title which the OS does not allow for a filename. For example, "/" is not allowed in a Windows filename; subscriptions with "/" in the title (first tab of the Offline Config Doc) will not have an icon on the desktop.

**Workaround**

To launch the subscription after the download you must launch it from the Lotus Domino Sync Manager.

Client

**Sync gets stuck with multiple subscriptions set at 1 minute**

If you have multiple subscriptions installed, and all are set to synchronize every minute, one of the subscriptions may hang during synchronization at 100%. This shouldn't interfere with other subscriptions synchronizing. Close and reopen the Sync manager.

Administrator Client, Client, Designer, Server

**Troubleshooting tips for DOLS installations**

Users cannot upgrade from a beta release of Lotus Notes/Domino 6.x to the current release. If an earlier subscription is installed, and the server is upgraded to Domino 6, the user must uninstall any previous subscriptions and install a Domino 6.x subscription. Note that the uninstall does not remove the desktop icons. The workaround is to remove the DOLS Netscape plugin file, or Internet Explorer Lotus DRS Control before upgrading the client.

To have earlier subscriptions and Domino 6.x subscriptions together off-line:

1. Remove the DOLS Netscape plugin file or Internet Explorer Lotus DRS Control before upgrading the client.
2. Install Domino 6.x subscriptions and the Domino Sync Manager will be upgraded.
3. Then re-install the earlier subscriptions.
Upgrading an encrypted subscription

1. In the Domino Administrator, de-select 'Overwrite existing id' in the Offline Security policy in doladmin.nsf and save the security policy.
2. On the client system, remove the DOLS Netscape plugin file or Internet Explorer Lotus DRS Control before upgrading the client.
3. Then re-install the encrypted subscription.

Note if you do not uncheck 'Overwrite existing id', the subscription will not be usable after upgrade. You will have to delete the subscription and reinstall.

Upgrading from Domino 5.0X to Domino 6.X

When a server is upgraded from 5.0X to the current release of Lotus Domino, all users' existing DOLS offline subscriptions are candidates for upgrade. Old subscriptions must be upgraded to work with this release. The upgrade is initiated when the user installs a new subscription from the server. Once they've installed the new subscription, users must synchronize their old subscriptions once before they can open them offline.

Upgrading from a Domino release without DOLS to Domino 6.x with DOLS

DOLS may not be properly installed if you upgrade from any Domino release without DOLS to the current release of Lotus Domino with DOLS. For information on upgrading, see the Domino Administration help.

Dial-up (or LAN) installation fails with "Unable to launch..." message

If the user tries to install the Domino Sync Manager by using a dial-up or LAN connection and receives an "Unable to launch" message, the problem may be that the dial-up session had a time-out setting that was set too low.

To increase the download time in the server document:

1. Open the Domino Administration Client.
2. In the navigation pane, click Server - Current Server Document.
3. Click the Internet Protocols tab, then the HTTP tab. If users will be installing subscriptions over a phone line, change the "Output timeout" field to 18000 seconds to allow enough time for downloads.

Users might also call their Internet Service Provider (if they have one) to make sure the ISP hasn't set a time-out period that's too low.

Administrator Client, Designer

Users must be Reader or higher to install DOLS database

Users must have at least Reader access in the Access Control List (ACL) of a DOLS-enabled database in order to install the database offline. A user with Depositor access or No Access trying to install a subscription will get an error.

Workaround

Upgrade the user's access in the database ACL.

Client, Server

When browser prompts to "Work Offline?" choose 'No'

If your browser prompts you to 'Work Offline?' choose 'No.'

If you choose 'Work Offline,' there will be no live connection with a server, and you will not be able to synchronize.

Client

Accessibility issues

Following are the issues with Accessibility when using DOLS:

Cannot navigate from the URL address box to the Web Control in Internet Explorer

You can navigate from frame to frame on a DOLS Web page by pressing TAB. However, you cannot navigate from the URL box to a frame.

Cannot navigate frames in Netscape

You cannot navigate from frame to frame on a DOLS Web page in Netscape by pressing TAB.
No keyboard shortcuts for languages in the popup menu
In the Web Control is a selection for choosing from a list the language of text in the Domino Sync Manager. The languages in the list have no keyboard shortcuts.

Windows 2000
On Windows 2000 computers you cannot see accelerators (underlined letters in menu items) unless you activate them.

Administrator Client, Designer
Be consistent when encrypting subscriptions with shared files
Make all subscriptions either encrypted or not encrypted, if you know your users will share a file among them.
A shared file will be encrypted or not based on whether the subscription it was first installed with was encrypted or not. Subscriptions which are installed after the first subscription may have a problem sharing that file if it was installed encrypted.

Administrator Client, Client, Server
DOLS on a Domino Configuration Directory server
When there are DOLS subscriptions on an additional Domino server configured as a "Configuration Directory" server, make sure the Security Policy is either "Prompt for ID" or "Auto Generate."
If the user tries to install a DOLS subscription from an additional Domino Configuration Directory server with a Security Policy of "Lookup in Domino Directory" they will get an Error 500, and the message "DOLS DSAPI error: No person record found in names.nsf for user <username>."

Administrator Client, Server
Moving extended mail files from one server to another
When you move an extended mail file from one DOLS-enabled Domino 5.0.5 or later server to another using AdminP, the move will not be completed.
This happens because the last step in moving these mail files is for the user to access the original file using Notes. When they do this, it updates the Notes Dialup Connection and Location documents in the Personal Address Book with the new mail file and new mail server information. Then a "Push changes to new mail server" request is created and the old mail file is deleted.
If a user accesses the original file with their browser using DOLS (or via replication) instead of Notes, this last step is not initiated.
The Administrator must use LotusScript to create an agent in the Administrator Request Database that will create the "push changes" request. The LotusScript can be downloaded from the Iris Sandbox on Notes.net. You can get the download from the following URL:
http://www.notes.net/sandbox.nsf/ecc552f1ab6e46e852568a90055c4cd/c425421e4e419540852568630079bb8c?OpenDocument&ExpandSection=1&Highlight=0,admin4.nsf#_Section1

Client
Dircat not being deleted when shared subscription is deleted
When a subscription containing shared subscription data and a directory catalog is deleted, the catalog remains in the user's Domino Web Access directory. This is true even if the shared data is not actually being shared by another subscription.
The dircat will not delete if it has been accessed offline in the current Domino Web Access session, even if you close the browser before deleting the subscription. Attempts to delete the dircat manually (in this state) from the user directory in Windows Explorer, yield a "Sharing Violation."
There is currently no workaround.
Client

Cancelling sync after wrong password causes security problem
If Sync begins and then fails, the password may be corrupt. Uninstall and then reinstall the subscription.

Client

Desktop icon not changing when customized
When users install a subscription offline, then add their own icons to the Customize subform, the Sync Manager shows the new icon, but the desktop icon does not change.

Workaround
Refresh the desktop or restart the operating system.

Client

Dircat path not removed from notes.ini when subscription removed
If you create a mail file using the extended mail template (mail6ex.ntf), and DOLS enable it with a directory catalog, but do not select the option for shared files (on the Rules tab), when you download the subscription, the Names parameter in the Notes.INI file in the iNotes directory should look like this:

```
    NAMES=dolnames.nsf,dols\Web user1 Mattel
    US\9A55CDC7D0D128A385256A7100720089\dircat.nsf,dols\Web User2 Mattel
    US\2EFE003CB6E4572A5256A8C00746884\dircat.nsf
```

If you delete one of the subscriptions, the Notes.INI file Names parameter is not changed, and the subscription directory still appears in the drop down but you cannot access the directory.

Client

Error during sync about public key not matching the Address Book
During synchronization, the user gets the error "Your public key does not match the one stored in the Address Book" in the synchronization status, which is then set to idle.

Workaround
Open the security section of the server document and disable the option "Compare Notes public keys against those stored in Directory."

Client, Designer

If configuration document deleted, users must re-install
If, for some reason, it is necessary to delete a subscription's Offline Subscription Configuration profile document, users who have the subscription installed must delete it and re-install the subscription with its new configuration document.

Client

Multi-user subscriptions are deleted by Notes "clean up"
DOLS multi-user subscriptions are deleted when the user selects the Notes client "clean up" option in the following scenario. You install Lotus Notes with the Multi-User Option, and you install a DOLS-enabled database that has "Use Multi-User Data Directory" turned on in the subscription profile document. After you work in Notes, you are prompted "Want to clean up your personal files?" Do not select OK. If you do, the next attempt to sync with the Domino Sync Manager will fail because the Multi-user data directory will be deleted when the Notes client shuts down.
Users can't access encrypted subscription if ID overwritten
If the user has installed an encrypted subscription, then for any reason their ID changes, they will not be able to open the encrypted subscription offline. This is because the offline subscription was encrypted using a key which matches the ID. When the ID changes, the key no longer matches the ID and the subscription won't open. The user must delete the encrypted subscription, re-install and re-encrypt it.

The "Overwrite existing user ID" setting should not be turned on in an enterprise that uses encrypted subscriptions. Users whose IDs are overwritten will not be able to open an offline subscription encrypted with a key from the previous ID. The only way to apply new IDs to encrypted subscriptions, is to delete the encrypted database and reinstall.

Client
Win2K - Sync Details box opens behind Sync Manager
On Windows 2000 Professional operating systems the Sync Details dialog opens behind the Sync Manager.

Client
Disabled subscriptions synchronize during upgrade
If you disable all 5.0x subscriptions on a client system, then upgrade the server, when you upgrade one of the subscriptions on the client, all of the subscriptions synchronize even though they are not enabled.

Client, Designer, Server
Discussion Template known issues
When the Discussion template is refreshed, error messages indicating that the files Dols.gif, iNotes_bnnr.gif and servers.gif may be noted in the status bar or on the server console. These messages may be safely ignored.

Client, Server
Need proper format to use wildcard for Optional files
When using the * (wildcard) in the Optional files field of the Offline Subscription Configuration document (for example, *.nsf), you must add a \ before it, or you can get an error synchronizing offline.

Workaround
Use \\nsf instead of just *.nsf

Administrator Client
Password lost when Offline Security doc is changed after upgrade
If your Offline Security Policy is set to autogen and you upgrade your server from 5.0x to 6.x, making a change to the choices in the Offline Security Policy will result in a loss of the password for the certifier.

For example, this problem would likely occur if a particular domain contains encrypted subscriptions and you want to turn on the new "Overwrite existing id" feature in the domain's security policy on the upgraded server.

Workaround
Go to the tab with the certifier id, reenter the password and save the security policy.
Client

Problems with DOLS SSO "Enter application Password" dialog
With SSO enabled, a user can inadvertently assign an offline subscription a different dolsuser.id/notes.id password
than the one that is used online for the same subscription. This will happen if the user enters and confirms a different
password in the Offline "Enter application Password" when downloading the subscription. The user can not easily
change this offline password.

Users may change the password in the Properties -> Security tab for the subscription to the online password. They
will then be able to open the subscription offline using the online internet password, however when they try to sync the
subscription, the incorrect synchronization password will be opened.

The user must enter the password that was entered in the "Enter application Password" dialog so that synchronization
of the subscription can occur. (This is the behavior when Notes and Internet password are different)

Server

To enable DOLS to be used for the IIS plugin
To enable DOLS to be used for the IIS plugin, follow the instructions in the Domino 6 Server Administration Guide for
installing the plugin, and then add these two additional lines to the <UriGroup> section in the plugin configuration file
plugin-cfg.xml:

```xml
<Uri Name="/download/*" />
<Uri Name="/mail/*" />
```

Domino Web Access

Can't use alternate organization unit to login offline
On Linux Mozilla, you cannot log in offline using the alternate organization unit as part of the login. For example, you
cannot use AlternateName/AlternateOrgUnit/AlternateLanguage.

If the user is created without an alternate organization unit, such as AlternateName/AlternateLanguage, you can login
offline using that ID.

Domino Web Access

Cannot install a subscription after cancelling
If you cancel the installation of a subscription, you must right click and select "Go Offline" in order to re-install the
subscription.

Administrator Client, Client

Cannot log into offline subscription with user short name
User cannot log into an offline subscription with their shortname when the Internet Access/ Internet authentication
section of the subscription’s security policy document is set to "Fewer name variations with higher security." This is
working as expected. Offline internet security needs to be at the highest level. As result, short name authentication is
not be supported. All username aliases can be used instead.

Administrator Client, Server

Subscription doesn't failover when outside a company's DNS
DOLS does not support cluster failover during synchronization. However, you can set a backup server (or secondary
TCP/IP address) in the Offline Subscription Configuration Profile document, in the Network settings.
Client

**Troubleshooting DOLS installation on a Linux client**
During a first time offline installation on Linux, Mozilla may hang when a user is using the scroll bars to scroll through the license dialog.

**Workaround**
Shut down Mozilla and restart the DOLS download.

Domino Web Access

**Upgrading the iNotes Sync Manager to the Domino Sync Manager**
If you upgrade from the iNotes Sync Manager to the Domino Sync Manager, the desktop icons and menu items are not automatically removed so you will have two sets of icons and menu items for the Sync Manager. You must remove the iNotes Sync Manager icons and menu items manually.

Administrator Client, Server

**Using an alternate name to go offline**
To go offline with an alternate name, the name must be in the database ACL. You cannot go offline if the alternate name is in a group name, and only the group name is in the database ACL.

Administrator Client, Server

**With IIS, delay before install path dialog is displayed**
In an environment with an IIS front end server and a Domino with DOLS backend server, when the user installs a subscription there is a roughly 1.5 minute delay before the install dialog is displayed. This only occurs on first install, not on reinstall.

Domino Access for MS Outlook issues

**Domino Access for Outlook**

**Cannot edit MAPI profile**
You cannot edit your MAPI profile via the Control Panel (Control Panel - Mail). If you need to connect to a different server, you must create a new profile via the Start menu (Start - Programs - IBM Lotus Domino Access for Microsoft Outlook - Create New MAPI Profile).

**Domino Access for Microsoft Outlook issues**
The following is a list of differences between the Notes client and the Microsoft Outlook client, as well as known limitations and problems.

**Differences between Notes client and Microsoft Outlook client**

- Outlook's "Active Appointments" view does not accurately reflect the number of occurrences in a recurring meeting; however, the calendar accurately reflects the meetings.
- If a Notes invitee requests information in response to a meeting invitation, the Outlook chair will receive an email with their comments.
- Embedded messages can be read only by Outlook recipients. Use Forward or Reply to send existing message content to all users.
- Outlook does not support the creation of a new line in the Subject and Location fields on Calendar items. New lines entered in Notes in the Subject or Location field are converted to a semicolon (;) followed by a space in Outlook. Domino Access for Microsoft Outlook users can enter a semicolon so that a new line is added in Notes.
- Meeting updates to recurring meetings (not reschedules) are sent as individual items, if a change is made to the series a number of updates will be sent. It is recommended that changes are made to single instances to avoid multiple updates being sent.
- Domino does not support recurring daily meetings every weekday. Instead, use the option to select the days of the week.
- In Outlook, there is no new mail notification on start up, even when there are unread messages in the Inbox. New mail notification does not occur until a new message arrives.

Address Book
Distribution lists created in Notes that contain other distribution lists (nested distribution lists) cannot be resolved within Outlook. Nested distribution lists created in Notes are resolved in the Domino server and can be used to send messages. Nested distribution lists created in the Outlook Contact folders are resolved within Outlook and can be used to deliver messages.

Group To Dos/Tasks
- In Outlook, when forwarding a task that includes an attachment to another Outlook user, the attachment is not forwarded.

Mail
Sending e-mail
- To ensure full directory access, all directories you want to select must reside in your domain. This release does not provide access to directories that require additional certificates to access, such as directories in different domains. If you cannot access a directory, talk to your administrator.
- It is recommended that complex documents be placed as attachments in e-mail. Microsoft Word is supported as the primary editor and is recommended where available.
- The preferred format for e-mail should be set to Rich Text format in Outlook for best results.
- Table formatting in some cases may be lost when sending from Outlook; use attachments for complex documents.
- Messages removed from Domino Access for Microsoft Outlook using "shift-delete" are not removed from the server replica. Users should simply delete messages and empty them from their "Deleted Items" folder to ensure proper synchronization of deletes from Domino Access for Microsoft Outlook.
- Mail notification of briefly changing the mouse cursor does not work in this release.

Outlook features not supported
- Most of Outlook’s publishing and authoring components, such as footnotes, bookmarks, captions, cross references, page column formatting, edit change, and revision marks and tracking.
- In Outlook 2002, sending e-mail that has an assigned category is not supported by Domino;
- **Follow Up flags are not sent to e-mail recipients if mail is in html format.**
- Pictures other than clip art and images from files. Charts, diagrams, and embedded objects. Use attachments for these objects.
- In some cases, active URLs in Notes do not replicate as active links in Outlook.
- Once a message has been sent, Domino does not support the ability to expire or retract the message.
- The tracking option "Process receipts on arrival" is not supported in Domino.
- Outlook Rules that are applied to new items currently work only with the "Run Now" option, not as items are added to the Inbox.

Other
- There is currently no way to represent LotusScript buttons with Outlook.
Calendar & Scheduling

Recurring meetings

- Deleting recurring meetings, may result in some occurrences remaining on the Calendar.
- In Notes, you can create a monthly meeting that happens on the first Tuesday and third Thursday of each month. However, Outlook does not support this as a repeat. These meetings will be distributed to multiple dates when replicated to Outlook.
- Recurring meetings that are subsequently changed to be "Private" cannot be accepted by the invitee. This can be resolved by changing the end time by 1 minute and then setting the "Private" option.
- If there is a mixture of acceptances and declines, the accept/decline status of invitees and rooms for specific instances of recurring meetings may be incorrect. The original accept/decline notices for the users received by the chair are correct.
- In some cases, invitees added to recurring meetings, where a number of updates are applied, may receive a "Request Out of Date" message when processing updates. It is recommended that the user verify that the changes have been applied to the existing calendar entry, as in some cases they may not be.

Autoprocessing

- When using "Autoprocess," the Chair does not receive an acceptance notice from the invitee, but the meeting is added to the invitee's calendar.
- On the Autoprocess tab, if you enable automatic responses to meeting invitations from specified users, you have the option of choosing a name from the address book, however, you must remove the '@<domain>' portion of the address for this feature to work.

Outlook features not supported

- The fields "Show Time As" and "Categories" are not sent to invitees.
- When you create a meeting invitation and save it as draft in Notes/Domino, the addresses are not available when viewed in Outlook.
- If you set an alarm for a specific meeting in Notes, the alarm is not set in Outlook for the same entry.
- If a meeting invitation created in Notes is delegated to an Outlook user, the Outlook user cannot take action on the meeting. However, the meeting may be added to the delegate's calendar.
- The Outlook XP feature creating "Group Schedules" does not operate correctly. It will not save the members of the group when initially created; subsequent edits will be saved and operate correctly.
- The "cc" field is not supported when sending a response to meeting requests, add any additional recipients to the "From" field.
- The Notes/Domino invitee cannot delegate meetings created with an Outlook chair in this release.
- Comments sent by a Notes/Domino Chair or Notes/Domino delegator are not supported when sent to Outlook Chair.

Other

- Occasionally when accepting/declining multiple updates for a meeting, Outlook may report the error "The messaging interface has reported an unknown error. If problem persists restart Outlook." Close the entry, and reopen it and accept/decline again. The error should not reappear.
- Addresses selected from the personal contacts and LDAP directories will not show the tracking status of attendees, when creating meeting invitations. They will correctly receive the meeting invitations, and updates and responses will be received.
- If a delegate tries to change the date in an appointment, reminder or all day event that was created by the owner of the mail file, the delegate will get a message that the entry has been changed by another user. The delegate will be prompted "Do you want to make a copy in the default folder for the item?" Workaround: Delegate should click yes, and then close the calendar entry. Reopen the calendar and make the necessary changes.
Rich Text Formatting
Some of the rich text formatting (RTF) available in Outlook is not supported in Domino and will be lost or replaced by similar formatting supported in Domino.

General
The following general areas of Outlook formatting are not supported:

- Publishing and authoring features -- This includes manuscript revision marks and edit change tracking and annotations, footnotes, captions, page headers and footers, bookmarks, indexes and tables of contents, and cross references. It also includes creating columns and sections, and using "drop cap" paragraph formatting.
- Drawing and artwork features -- This includes creating new a drawing in the document, autoshapes, word-art, charts, and diagrams. **Note:** Clip art and images inserted from files are supported.
- Special text fields and form fields -- This includes inserting auto text, text fields, and form fields. Examples are current date or time, author name, creation date, calculated fields (such as sales tax), text boxes, checkboxes, and dropdown fields.
- Frames and sections, document variables, master documents, and subdocuments.

Text and Paragraphs
The following text or paragraph formatting are not supported:

- Multi-level bullet and numbered lists -- only single-level lists are supported. **Note:** Supported list types are solid circle bullet, decimal numbering, lower- and uppercase alpha, and lower- and uppercase Roman numbering.
- Shading and borders for text, shading for paragraphs, positioned paragraphs, automatic hyphenation and paragraph styles.
- Combining shadow, emboss or engrave formatting with superscript or subscript -- if more than one is specified, superscript or subscript take precedence.
- Underline styles -- only the solid underlining style is supported; all other styles will be converted to solid.
- Special tab alignment -- only left aligned tabs with no leader are supported.

Tables
In the following cases, Domino will convert table formatting to a style that is supported:

- Tables created using "AutoFit to contents" tables and the "Fit text" to cell feature.
- Varying column widths between rows; varying the number of cells between rows.
- Varying text alignment and inner margins between cells -- all cells will have the same values. In a cell, the top and bottom margins will always be equal and the same is true for left and right margins.
- Varying cell border style and color between cells -- all cells will have the same cell border style and color, and the table's outer border will be of a single style and color.
- Shading -- only solid style of cell and table fill (shading) is supported -- Other styles (such as hash marks) are converted to solid.
- Table and cell border styles -- Domino supports eight styles; all others will be converted to the closest match.
- The merge cells feature.
- Number of columns and levels of nested tables are limited to 63 and 7, respectively.
**Domino Formatting not Supported in Outlook**

If you use both Notes and Domino Access for Microsoft Outlook, some formatting created in Notes is not supported in Outlook. This formatting will either be lost in the conversion or will be replaced by something similar.

**General**
- Drop-shadow borders on tables and pictures
- Some list styles, such as circle, square and checkmark

**Tables**
- Fit to Window style tables.
- Cell image and gradient fill (shading).
- Mixture of fixed and variable cell widths in a table.
- Tabbed, captioned, and animated tables. These will be converted to normal tables in Outlook.

For migration issues, see the release note "Exchange to Domino Migration Issues."

**Domino Access for Outlook**

**Exchange to Domino Migration issues**

When data is migrated from an Exchange server to a Domino server, most of the data migrates successfully, however there are some exceptions:

- Recurring Meetings have data migration issues in the following instances:
  - If Outlook users decline a recurring meeting invitation from a user before the data is migrated, they will not be able to accept partial updates to the recurring meeting after the meeting data has been migrated.
  - Outlook users should verify recurring meeting schedules and invitee status after migration, in cases where some instances have been declined or rescheduled.
  - If successive instances of a recurring meeting are cancelled or rescheduled, the updates to the schedule data may not migrate correctly.
  - Invitees should accept the initial invitation for recurring meetings before migration, otherwise subsequent updates may not be correct. In the case of single meetings, migration can easily handle subsequent updates, and only in very specific cases will there be a problem with updates to recurring meetings.
  - When a migrated task includes a .JPG attachment, there may be problems opening the file.
  - When a Notes user replies with history to a migrated memo that includes an attachment, it may appear that there are two attachments: the original attachment and an image of a file document.
  - If migrated Exchange users have similar names (such as John Yankowski and John Yankowsky), the mail file could be overwritten during Notes registration. When registering Notes users, the Domino Administrator truncates long names to eight letters (the first initial of the first name and the first seven letters of the last name).

  **Workaround:** During registration, make sure you manually extend the name or you will be prompted to overwrite the first instance of the truncated name.

  See also the release note "Domino Access for Microsoft Outlook" for a full list of problems and limitations.

**Lotus Notes MAPI service provider no longer supported**

Beginning with Domino 6, the Lotus Notes MAPI Service Provider is no longer supported. Changes in the Windows Operating system and newer versions of MAPI have made the Service Provider functionality that was available in R5 more costly to support, going forward.

**Workaround**

Customers who were using the Lotus Notes MAPI Service Provider Interface in Notes R5 should upgrade to Notes 6.0.4 or 6.5.2, and install Domino Access for Microsoft Outlook.
Domino Access for Outlook

Troubleshooting the Exchange to Domino migration

There are a few situations you may encounter during the migration process that require some simple troubleshooting. Here are a few tips to help you perform a successful migration.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Explanation and Workaround</th>
</tr>
</thead>
</table>
| Microsoft Exchange isn’t available as a Foreign Directory Source in the People and Groups Migration dialog | Microsoft Exchange must be configured as a Foreign Directory Source during the installation of the Administrator Client.  
Workaround: If Microsoft Exchange isn’t available as an option, you must reinstall the Domino Administrator Client and make sure Microsoft Exchange is configured as a Foreign Directory Source during the installation process. |
| You need to migrate a user more than once                                | The Domino Migration Tool is designed as a “run once” utility, which registers users and creates their associated mail files on the Domino server. You can migrate a user more than once, but remember that if you migrate to the same Domino mail file, the existing data is not replaced, it is just appended.  
Workaround: If you need to “re-migrate” a user, delete the existing Domino mail file from the Domino server, and then perform the migration for that user again. You will be informed that the user is already registered on the Domino server, and prompted to update the existing user. Do this, and complete the migration. A new mail file will be created for the migrated user on the Domino server. |
| The address conversion for a user’s mail file fails                    | While running the address conversion utility, you may see the message, “Address conversion failed for this user.”  
Workaround: It is crucial that the server name and address book be up to date before running the address conversion. Update the name and address book following the instructions previously outlined, then perform the address conversion again. |
| After migration, a user’s mail file displays addresses (such as in the ‘Chair’ item or ‘From’ item) in Exchange format | If addresses are displaying in Exchange format, you may have forgotten to perform the address conversion on this mail file.  
Workaround: To be on the safe side, perform the address conversion (following the steps previously outlined) on all the migrated mail files on the Domino server. Also, it is possible that you have not yet migrated the user whose address is displaying in Exchange format. Once that user has been registered on the Domino server and the associated mail file migrated, run the address conversion utility again. |
| The Domino Migration Tool fails during the process of migrating users   | If the migration process fails, which can happen if the server connection is lost, it is best to start the process again, beginning with the user in transit during migration.  
Workaround: If the migration process fails while migrating a user, that user and any others in the Registration Queue will be saved in preparation for registration and migration. Because the user in transit when the failure occurred may be partially migrated, it is best to delete that user’s mail file from the server once the server connection is restored. Then resume the migration process by selecting “Register All” in the Register Person dialog. |

Domino Web Access issues

Administrator Client, Domino Web Access

Add Sender to Contacts not working correctly

Users registered with a first, middle, and last name using the default Internet Address setting of "FirstName LastName", and "None" as the separator, do not get added to Contacts correctly. Instead of displaying in the First name, Middle, and Last name fields, the first and last names display in the "Last name" field of the Contacts entry, and the middle name does not display.
Calendar issues in translated versions of Domino Web Access

The following issues exist in translated versions of Domino Web Access:

- If you open a meeting invitation from the Calendar view and then try to delete it, you will receive a "Note item not found" error.
- If you counter a meeting invitation, and the chair accepts the counter, the reschedule notice remains in your Inbox meeting notice view, even though you have already accepted the reschedule notice.

Calendar & Schedule in Domino Web Access mixed environment

Calendar and Scheduling issues between an iNotes Web Access 5.0.x client and a Domino Web Access 6.x client

If you send a meeting invitation to an iNotes 5 user who is in a different domain than you, you must address the invitee using the full hierarchical name and Notes domain, for example John Smith/NewYork/ACME@Lotus.

Calendar and Scheduling issues between a Notes/Domino Web Access 6.x client and an iNotes 5.0.x client

Currently, there are known issues when a Notes/iNotes Web Access 6.0 Chair initiates Calendar and Scheduling workflow with an iNotes 5.0.x Invitee and that Invitee’s mail file is being accessed on a 5.0.x server through iNotes. Please contact technical support for specific information regarding this problem.

Can't load Inbox in Domino Web Access

In Internet Explorer, users who are not using SSL connections to access their Domino Web Access mail database receive an "Error encountered retrieving data" message when trying to access their Inbox. An updated urlmon.dll fixes this problem. Customers can call Microsoft support free of charge to receive the fix (http://support.microsoft.com/?kbid=837251) prior to it's inclusion within a cumulative update for IE. It will be queued up for inclusions within the next cumulative update for IE (anticipated to be May 2004).

Other workarounds include:
- In Internet Explorer, go to Tools - Internet Options - Advanced - Security, make sure the option "Do not save encrypted pages to disk" is unchecked.
- Disable GZIP compression.

Can't open doc links on servers other than Mail server

In Domino Web Access, you cannot open attached dock links if the document resides on a server other than the mail server unless you have enabled the field "redirect to resolve external links" in the Server document or the Internet Site document (if configured). You must also replicate the server's catalog.nsf with that of the external server.

For detailed configuration information, see the Lotus Domino Administrator 6 Help topic "Finding Links with the Redirect URL Command".

Cannot insert multiple links in a table in a mail message

In the current release, if you are using Microsoft Internet Explorer as your browser, you cannot insert more than one link in a table that you have created in a mail message.

You can insert the link only in the last cell of the table. For example, if a table has 6 cells, you can insert the link only in the sixth cell.
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes

Chapter 3 - Troubleshooting

Domino Web Access

**Cannot install Offline subscription from full DWA portlet**
You cannot install an Offline subscription from the full Domino Web Access portlet unless the "Functional Area" of the portlet is set to "All." Open the URL for the mail file directly (e.g. http://myserver/mymailfile.nsf) and then select "Go Offline."

**Cannot search in NamePicker hierarchy views in Domino Web Access**
In the Select Addresses dialog box, you can search only in the List by name view.

**Cannot use single quotes in spellchecker**
If you use single quotes around a word, spellchecker will not run correctly and may result in garbled words. For example, spell checker cannot read the word 'program.'

*Workaround*
Use single quotes if you must put quotes around a word.

Administrator Client, Domino Web Access

**Cannot use Web Admin to set default Welcome Page**
Web Administrators cannot use the Configuration Settings document (Domino Web Access) tab to set the default Welcome Page. Domino Administrators can set the default Welcome Page and, if allowed, Domino Web Access users can set the default using the Edit Layout button on the Welcome Page.

Administrator Client, Server, Domino Web Access

**Chair cannot view participant status of encrypted meeting**
The chair, if connected over HTTP rather than HTTPS, will be unable to view participant status of an encrypted meeting if the Mail Encryption field "Require SSL when accessing secure mail features" is set to 'Both' in the server Configuration Settings document.

Domino Web Access

**Decreasing browser text size causes gap in list views**
If you decrease the browser text size (for example, in IE by clicking View - Text Size - Smaller or Smallest), the rows in the list view will shrink in height, causing a gap to appear at the bottom of the view.

*Workaround:* Click the browser's refresh button (F5) to repair the gap.

Domino Web Access

**Deleting an Instant Messaging group results in error**
In Domino Web Access, you will receive a Domino Web Access warning when you transfer a local contact list to the Sametime server after removing a group.

Domino Web Access

**Disable pop-up blockers for Domino Web Access**
You must disable pop-up blockers in Mozilla 1.4.1 on Linux and Microsoft Internet Explorer 6 on Windows XP with SP2. The default settings for the popup feature block any new window from being launched, which makes Domino Web Access unusable. You cannot, for example, create a new message or calendar entry. To resolve this issue, either disable pop-up blocking altogether or add allowed sites.
Domino Web Access

**Doc links lost during reply or forward**

Doc links are lost when users forward a message or reply with history.

**Workaround**

Add the NOTES.INI variable iNotes_WA_EnableEditModeLink=1 to your NOTES.INI file so that doc links can be used when forwarding or replying to mail.

Administrator Client, Domino Web Access

**Domino HTTP server cannot locate DHTMLED.cab on UNIX systems**

Domino HTTP server may have problems locating the file DHTMLED.cab when running on UNIX systems. This file is installed on the Domino server as dhtmled.cab. Since filenames are case sensitive on UNIX, the system cannot find this file.

**Workaround:** Copy the file dhtmled.cab to DHTMLED.cab. This file is located in the server's HTML directory, which is .../data/domino/html by default.

Domino Web Access

**Domino Web Access 6.5.3 archiving issues**

Following are the issues when using archiving in Domino Web Access:

**Offline**

You cannot take a server archive offline.

You cannot go offline in Linux Mozilla if the alternate name contains accented characters. If your mail archive file name includes accented characters, you cannot access it offline. You must change the name of your archive when you set Archive Preferences.

If you uninstall DOLS, any local archive that you created using the Domino Web Access client is deleted. If you must uninstall DOLS, and you have a local archive on your system that you want to keep, make a backup copy of this archive file to a directory outside of the Domino Web Access program directory before you uninstall DOLS. You can view this local archive using the Notes client.

**Creating a Local Archive**

For information about creating and working with a local archive, see the online help that shipped with this product. However, please note the following additional information:

When you create a local archive, Domino Off-Line Services installs the Domino Sync Manager, which loads and synchronizes an empty subscription. **Note:** This is not the archive.

After synchronization completes, the archive is created in the background, and the document selected for archiving is moved to the archive. Note that sometimes an error is generated. If you receive the message “An error occurred trying to archive documents,” click the browser refresh button, then re-select the document to archive.

Creating a local archive is not supported on Linux Mozilla.

**Restoring a document from a server archive**

To restore or restore and delete from a server based archive, open the archive, and then open the user preferences and save them. This sets the ownership of the archive. You can then restore or restore and delete from the archive.

**Archiving in a mixed environment**

If you are using an inotes5 mail template (inotes5.ntf) or if you are upgrading from inotes5 to an inotes6 mail template, when setting up archiving on a server, you must use a hierarchical server name (mail2/acme) when specifying the name of the server in the “On my home server” field.

If archiving as been disabled on a server, iNotes5 user preferences show that archiving has been disabled. However, administrators can still archive using the compact -A console command.
Domino Web Access secure mail issues

Following are the issues using secure mail in Domino Web Access:

**Signed Mail**
Signed messages that must be converted by the router to match the recipient's format preference for incoming mail (for example, "Prefers Notes Rich Text" or "Prefers MIME") are delivered with missing or invalid signatures. Messages that are encrypted (or signed and encrypted) do not have this problem.

**Signed Mail Sent via SMTP**
Signed mail sent via SMTP will have the signature removed before it is delivered to the recipient.

**Encrypted Mail Sent via SMTP**
Encrypted mail sent via SMTP may have problems such as loss of attachments, or mail in which the body of the message cannot be read by the recipient.

**S/MIME**
In this release, Domino Web Access cannot read or compose S/MIME secure mail. In some cases you may not receive notification that you cannot send S/MIME encrypted mail.

**Requiring SSL to use Secure Mail**
When the Server configuration document specifies that SSL is required for secure mail, users who access the Domino server via http must have different Internet and imported Notes ID passwords if they are sending signed or encrypted mail. In this case, the Domino Web Access client will do a one-time protocol switch to https for the send. If users access the server via https, there is no requirement that the passwords be different. **Note:** When you receive the message box informing you that you are switching to SSL, do not click X to close the box. You must click OK and allow the switch to SSL to occur.

**Sending a message to a public group**
In this release, if you send an encrypted message to a group defined in a Domino Directory, and the total size of the message recipient list is greater than 10k characters, and the public keys of one or more members of the group cannot be located, the message is encrypted and sent only to those members whose public keys can be located. An encryption failure notice with an option to send unencrypted does not appear when the message is sent, as it would in the Notes client for group members whose public key could not be found. Instead, a nondelivery report (NDR) is returned to the inbox of the sender listing the members for whom the message could not be encrypted. From the NDR the sender can resend the message unencrypted.

When you send an encrypted mail memo/phone message that includes rich text formatting to a group, there may be problems such as loss of formatting or embedded images. You can, however, send an image as an attachment.

**Important:** Within the scope of a directory search, all group names must be unique. Make sure that there are no like named groups in different domains.

**Entering same name in Optional and FYI fields in invitation**
Do not enter the same name in both the 'Optional' and 'FYI' fields when you send a signed or encrypted meeting invitation.

**Format preference for incoming mail**
For Domino Web Access users, in the Person document in the Domino Directory, set the "Format preference for incoming mail" field to "Keep in senders' format."
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes

Chapter 3 - Troubleshooting

Domino Web Access

**iNotes_WA_DisableRecodeMIMECharset setting issue**
If the Domino server’s NOTES.INI file includes the setting iNotes_WA_DisableRecodeMIMECharset=1 is used, GIF files appear as attachment in the body of the message after a number of repetitions of ‘reply with history’ between a Notes and a Domino Web Access user.

**Workaround**
In the Person Document of the Domino Web Access user, on the Basic tab, set the field "Format preference for incoming mail" to "Prefers MIME."

Domino Web Access

**Instant Messaging Groups in Domino Web Access**

**Adding a name to an Instant Messaging Group**
Before you add a name to one of your Instant Messaging Groups, make sure the group you want to add the name to is highlighted before you click Add.

**Adding an Instant Messaging Group**
If you try to create new Instant Messaging groups while the Sametime server is not accessible, you will not be able to do so, however, you will not receive a warning that the server is not accessible. Should the Sametime server become inaccessible you will not be able to add an Instant messaging group or members. Currently, no indication is given that the server has become inaccessible and subsequent operations will fail. In addition, the Instant Messaging list will appear empty.

You cannot add an Instant Messaging Group if you have not enabled Instant Messaging in your preferences. However, you can remove an Instant Message group whether or not you have enabled Instant Messaging.

Domino Web Access

**Issues transferring contacts to Sametime Server**
If you delete an Instant Messaging group from your list, and then attempt to transfer your local contacts to the Sametime server (Transfer Local Contact List to ST Server), you will get a Domino Web Access warning, but the contacts will transfer successfully.

If you create a public Instant Messaging group in Domino Web Access, and then transfer your contacts to the Sametime server, the public group is transferred as a private group on the Sametime server.

Administrator Client, Domino Web Access

**Load default, not customized, Welcome Page when offline**
When working offline, disable custom layouts for the Welcome page and load the default.

Administrator Client, Domino Web Access

**Multiple login requests for Domino Web Access**
When Anonymous access is disallowed on the Domino server, and basic authentication by username and password is enabled, users will be challenged to authenticate for both the /mail and the /iNotes realms. To resolve this issue of having multiple login requests, we recommend creating realm documents to map accesses from other paths to the root path.

On Windows, we recommend creating a realm document to map your Domino data directory, for example c:\domino\data (or wherever your Domino data directory is located), to return a realm of "/".

On Unix, the realm document should specify a Domino data directory of /local/domino_data (or wherever your Domino directory is located).

For additional information on creating realm documents, see the Domino 6 Administration help. For additional information on this problem, see the Technote "Prompted Twice for Credentials When Logging into or out of Domino Web Access" (#1102037) in the Lotus Software Knowledge Database.
Domino Web Access

New Calendar or To Do entry from server-based archive
If you try to create a new Calendar or To Do entry from your server-based mail archive, the Domino Web Access preferences open. Save your preferences, and then re-try to create a new entry.

Domino Web Access

People awareness configuration for DWA portlet with Mozilla
With the Mozilla browser, users may see no people awareness in the Domino Web Access portlet, from which the portlet instances on the Mail, Calendar, and Address Book pages of the Collaboration Center are derived.

Workaround
Make sure that the Domino Web Access portlet is properly configured for awareness by following the steps in Setting up awareness and chat for Domino Web Access in the WebSphere Portal Information center.

Administrator Client, Domino Web Access

Resource Reservation database not recommended for Welcome page
When you use Edit Layout to set the Windows viewed on your Welcome Page, it is not recommended that you set the Resource Reservation database as one of your Welcome Page windows.

Domino Web Access

Rich Text Editor issues in Domino Web Access
Following are the known issues with Rich Text Editor using Domino Web Access:

Lists
When you create a list (unordered or number list) and use the heading format to increase the type size, the following problems occur when you undo the heading size:

- If you select a list in a single cell and then undo the heading, the list element disappears also.
- If you have lists selected in more than one line, you cannot undo the heading element at all.

Graphics
If you insert a graphic into an entry, and then try to undo the insertion, undo does not work.

Tables
You cannot toggle the list formatting to create lists or remove list formatting on lists in multiple cells. You must select the cells and apply the formatting one cell at a time. In addition, you cannot delete the text in multiple cells using the Delete key. You must select the contents of each cell and press Delete.

Administrator Client, Domino Web Access

Sametime doesn't work if user accounts not initialized
For Domino Web Access users who were registered using the Domino 6.5 release, if the account has not been initialized, Sametime Awareness and Chat do not work in 6.5.1.

Workaround
2. Replace the design of the failing account(s) with iNotes6.ntf and Forms6.nsf from the Domino 6.5 release.
3. Login to the Domino Web Access user account(s), enable Sametime Awareness, and save preferences.
4. Restore the original iNotes6.ntf and Forms6.nsf.
Search limitations in Domino Web Access

Following are the limitations using Search with Domino Web Access:

- You cannot search for part of an entry in Contacts, To Do, and Calendar. You must search for an entry by entering the full string in Search.
- Work Hour search does not support users whose mail server time zone is different from the client's mail server time zone. Further, when repeat appointments/meetings cross time zone boundaries, the time information will not be correct.

Sending mail with attachment and inserted image

You may have trouble sending mail when you add an attachment and then insert an image into a mail message. Inserting the image as a last action may cause an "unable to upload the attached file" error.

Workaround: Insert the image first, then add the attachment.

Setting quick links in Domino Web Access Welcome page


Domino Web Access users can set quick links for the Welcome Page using the Edit Layout feature.

Soft Delete can't be used in a mixed environment

Following are the known issues with mail using Domino Web Access:

- In a mixed release environment, users with a database that has Soft Delete enabled will have problems deleting documents in that database, if the database is replicated back to a 6.0 server that is running the older Forms file and Template.

Soft Delete in a mixed environment

In Domino Web Access, users who are the mail file owner and have Editor access (the default) can change the soft delete expiration time. Notes users must have Manager access to change this setting. In a mixed environment, if an administrator enables soft delete for a database and sets a soft delete expiration time, DWA users will be able to change the expiration time.

Text in Search field in localized versions of Domino Web Access

In some localized versions of Domino Web Access, the text entered into the Search field may appear too small. If this occurs, you may need to update your browser version.

Text limitation in messages

You cannot send messages that include approximately 4.5MB of text typed or copied into the body of the message. You will get an error message if you attempt to do so. This limitation does not apply to attachments.
Domino Web Access

To Do remains in Notes after deletion in Domino Web Access
If you enter a repeating To Do in Domino Web Access, and later delete all instances of the To Do, the parent record still appears in the Notes client.

Domino Web Access

Update meeting with resource change
If you create a meeting invitation that includes a room or resource, and then save and send the meeting invitation, and the administrator changes the name of the room or resource, you will receive a notice that says "click the update my meetings button to apply the resource name change to your meetings," however, no such button exists. To proceed, open the notice in the Notes client or cancel the original meeting and reissue a meeting invitation with the changed resource name.

Domino Web Access

Use LDAP Mail attribute for Domino Web Access Instant Messaging
The Mail attribute is a required entry when using LDAP for Instant Messaging in Domino Web Access

When using Instant Messaging in Domino Web Access to resolve names that exist in an LDAP directory server, the mail attribute for the LDAP directory entry must include a valid e-mail address value. For example, the directory entry for John Brown could look something like this:

dn: cn=John Brown, o=Yourorg
givenname: John
sn: Brown
mail: jbrown@yourorg.com

If an entry is found in the LDAP directory that does NOT contain a value for the mail attribute, the value entered will be removed. This affects groups more than user entries, because the LDAP object classes "groupOfNames" and "groupOfUniquenames" do not include the mail attribute. This could, however, affect entries of type "Person" and "organizationalPerson" since these object classes do not support the mail attribute either. Most LDAP directories do support the "inetOrgPerson" object class, and mail is an optional value of this object class. For those using Domino as an LDAP directory server, the "dominoPerson" object class inherits from the "inetOrgPerson" object class, where mail is supported.

For more information on creating and editing the Offline subscription Configuration Profile document, see the Domino Administration help topic "Configuring the DOLS subscription."

Domino Web Access

Using Chat in a mixed environment with Sametime server 6.5.1
You cannot use the Domino Web Access Chat feature, included in iNotes5 or iNotes6 mail templates if you are using a Sametime 6.5.1 server.

Workaround
1. Copy the SametimeApplet directory from the Domino Web Access server to the Sametime 6.5.1 server.
2. In the SAMETIME.INI file, lower the value of the Sametime security setting to allow a connection from an older client. For iNotes5 and iNotes6 mail templates, use VP_SECURITY_LEVEL=20. For more information on specifying the minimum security level, see the Sametime 6.5.1 Installation Guide, which details this setting.

To view or download a copy of the Sametime 6.5.1 Installation Guide, go to http://www.lotus.com/LDD/doc.
Internet issues

Administrator Client, Client, Server

**Notes may crash if an invalid HTTP request is received**
A crash occurs if logging is enabled and an invalid HTTP request is received.

**Workaround**
Exclude HTTP Error 400 from the HTTP logs by choosing the "Exclude From Logging Section" in the NAB, and adding status code "400" in the return code field.

Client

**Notes crashes when IM protocol set to "Use my IE HTTP settings"**
The Notes client will crash if the instant messaging protocol set in the location document is set to "Use my IE HTTP settings". Do not use this protocol.

Server, Domino Web Access

**Unable to authenticate over HTTP with new password for 5 minutes**
Changing the internet password for a user in the person record does not take effect immediately, unless the server is restarted, update task is run, or the HTTP task is shutdown and restarted. The previous password is held in the HTTP server cache until one of the aforementioned tasks is run; this could be up to 5 minutes or greater if accessing a mail file via the web.

Mail issues

Administrator Client, Client

**Migration from R5 to Notes 6 Shared Mail**
If a customer is using shared mail in R5 and upgrades to Notes 6, the R5 shared mail configuration is automatically migrated to a shared mail configuration in Notes 6. The configuration will also be automatically upgraded from earlier releases of Domino 6 (if previously installed) to the current release configuration.

This means:

- Any existing R5 SCOS databases are maintained for reference only.
- Any existing SCOS databases from earlier releases of Domino 6 will be configured in the NAB server document.
- If no Notes 6 SCOS databases exist, by default one new shared mail database is created to be used for new mail delivery. This database is placed in a subdirectory named SCOS1 off the server data directory.

The default configuration is temporarily written out in the notes.ini file. It is as follows:

```
SCOS_DIR_11=<data_dir>\scos1
SCOS_AUTO_CONFIG=SCOS_DIR_11
SCOS_DIR_ACTIVE_FILES_11=1
SCOS_DIR_MAX_SIZE_MB_11=1024
SCOS_DIR_NOT_CONFIGURED_11=0
SCOS_ONLINE_11=Yes
SCOS_ACTIVE_11=Yes
```

Any notes.ini parameters from the earlier releases of Domino 6 will be replaced by parameters in the above format.
AdminP will take the information from the notes.ini parameters and put it in the NAB server document under the Shared Mail tab. When this is complete, the notes.ini parameters will be removed. The information in the NAB is as follows:

<table>
<thead>
<tr>
<th>Directory</th>
<th>Requested Files</th>
<th>Maximum Directory Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>c:\notefile\scos1</td>
<td>1</td>
<td>1024</td>
</tr>
</tbody>
</table>

Notes 6 Shared Mail Configuration
Notes 6 permits flexibility in the number of shared mail directories, databases, and placement of same. A server can be configured with multiple shared mail directories, each of which contain multiple shared mail databases. These are all actively used for new mail delivery. During delivery, a destination SCOS database is chosen; user mail databases are no longer associated with a single SCOS database.

The administrator describes the configuration in the server document (using the Administrator Client, or Notes Client to edit the NAB); there is a new tab for Shared Mail. The creation of the databases and the directories is automatic by the server. To configure the shared mail databases, set up the desired configuration in the server document then restart the server (this applies to any of the setting changes described in the following sections).

Use the ‘Show SCOS’ and ‘Show SCOS all’ commands on the server console to view the status of the current SCOS configuration.

Specifying the Shared Mail Directory
For optimal performance, the shared mail directories can be placed on another directory/file system. To change the location of the directory, disable SCOS, change the server document settings, shut down the server, move the files, restart the server, then enable SCOS. It will be necessary to set up a directory link if one does not already exist.

For example, to move the default configuration from <data_dir>\scos1 to f:\scos1, perform the following steps:

- set Shared Mail to ‘None’ (disable it) in the server document
- do ‘Show SCOS’ on the server console so the new information in the server document takes affect
- change the directory setting in the server document from <data_dir>\scos1 to f:\scos1
- shut down the server
- move the sm*.nsf databases from <data_dir>\scos1 to f:\scos1,
- create a directory link to f:\scos1 if it is not already in the data directory or on a linked path,
- restart the server
- set Shared Mail to the desired setting (‘Delivery’ or ‘Transfer and Delivery’) 
- do ‘Show SCOS’ on the server console

Specifying Multiple Shared Mail Databases
To configure multiple shared mail databases, increase the number of active files in the server document and do ‘Show SCOS’ on the server console or restart the server. The value must be between 1 and 100.

Specifying Maximum Size for All Databases in the Directory
To configure the directory size for all files cumulative in a shared mail directory, change maximum size in megabytes in the server document and do ‘Show SCOS’ on the server console or restart the server. This is an approximate maximum, the size in the directory will go beyond this limit by some amount over time due to large messages going in when the directory is near the limit. Always set the size a bit smaller than your actual physical space at the maximum. The value must be between 1 and 8192.

Specifying Multiple Shared Mail Directories
For optimal performance, multiple shared mail directories can be placed on various directory/file systems. To create multiple directories, create a directory link if needed, add the information for the new directory in the server document, and do ‘Show SCOS’ on the server console or restart the server. Make sure to fill in all the information for the new directory including the location, number of active files, maximum size for the directory, active, and online. The directory and files are created automatically at the ‘Show SCOS’ command or during server startup.
Known limitations:

SCOS databases are loggable in Notes 6 so they will automatically be logged if the system is running logging. The database that is pointed to by the database link mailobj.nsf, however, will end up with a new DBIID at every restart when the database is in the data directory path. This is because the database link and the database will resolve to the same file and logging will think there is a duplicate database ID. To work around this, delete mailobj.nsf (the database link file) or point it to a path off the data directory and move the database to that directory.

When setting up a SCOS directory that is not in the data directory or a subdirectory, a directory link must be created to point to the SCOS directory.

The value of 'Requested Files' must be between 1 and 100.

The value of 'Maximum Directory Size' must be between 1 and 8192

Each shared mail directory must be unique from all other shared mail directories.

Tell Router Use <database> is now obsolete and occasionally crashes the server.

Sometimes AdminP does not correctly migrate existing shared mail configurations. This generally happens when the administration server of the domain has not been upgraded to the Notes 6 build first. Upgrades to the design of names.nsf and admin4.nsf are necessary for the migration to work. If the migration was not successful it will need to be completed manually, according to the following steps:

- update the shared mail definition in the server's NAB adding directories which are needed and removing any unnecessary directories
- if a default database was created (in <data_dir>\scos1\sm*.nsf), check to see if it has messages via load object collect -force scos1
- bring down the server
- delete all notes.ini parameters with the exception of SHARED_MAIL=
- if there was a default database which has messages, move the database to one of the directories which will be kept, otherwise delete the database and the directory
- restart the server

Administrator Client, Client

Netscape/Outlook messages may not prompt for "Save"

HTML Messages received from Netscape or Outlook may not prompt for Save after editing/closing message. Changes to hotspots may not be saved in some cases.

Workaround

Use "Ctrl+S" (or File->Save) to save your edits.

Administrator Client

Remote message journaling will be reflected in report results

Due to the fact that remote message journaling uses a mail-in database to send the journaled message to the remote database/server, the impact of remote message journaling will be seen when reports are run on the server.
Administrator Client

**Situation where a message may be journaled more than once**

If a message is sent to multiple recipients from a server that has message journaling disabled, it is possible to have the message journaled more than once when the recipients' servers have local message journaling enabled. For example:

- Server1: Enabled, Local Destination
- Server2: Enabled, Local Destination
- Server3: Disabled

A user on Server3 sends a message to users on both Server1 and Server2. A copy of the message is locally journaled on both Server1 and Server2.

Administrator Client

**Update journaling db ACL when using non-admin to encrypt mail**

For message journaling, when a user other than the administrator is specified in the "Encrypt on behalf of user" field (in the server's configuration document), that user will not automatically have access to the Mail Journaling database (mailjrn.nsf).

The server's administrator will need to open the database and add the user's name to the ACL. The user's name will be preserved in the ACL when backups (size and daily rollovers) are created, but if the server automatically creates a new database during server startup, then the administrator will have to re-enter the user into the new database's ACL.

Administrator Client, Client

**URL in mail forwarded to Eudora or iNotes recipient won’t launch**

A URL which is embedded in a mail message, and which has been forwarded to a Eudora or iNotes recipient, is not launching.

Server

**Adding or modifying system mail rules**

When adding or modifying system mail rules, it is necessary to explicitly save the Server Configuration document, using either the 'File' menu or the 'Save and Close' action button provided. Without saving the document, the server will be unaware of the changes made, and will not enforce the rules specified.

Client, Server

**Doc-links are lost in Notes Rich Text to MHTML conversion**

Doc-links will be 'lost' in any Notes Rich Text documents that are converted to MIME. The doc-link hotspot may be present in the converted document, but the link data (href) will not be useful.

Administrator Client

**Ensure messages are encrypted when journaling to a mail-in db**

Ensure that messages are encrypted when using the "Send to mail-in database" journaling method. In order for Journaling's "Field encryption exclusion list" entries to be honored when messages are journaled to the mail-in database, you must set "Encrypt incoming mail" to YES on the Administration tab of the mail-in database document that is used for Journaling's "Mail Destination" field.

When using the "Copy to local database" journaling method no additional steps are required for the "Field encryption exclusion list" entries to be honored.
Client

**Issue using TeamMail with Lotus SmartSuite applications**
You may encounter an error when using the Notes 6 TeamMail feature with SmartSuite applications. Selecting File -> Team Mail, and then selecting "Workbook with Message" will work fine, however there is an issue when selecting the "Message only" option along with "Paste in a picture of the selection".

If both options are selected you may receive the following error messages:

"Paste option cannot be used for mail send on your mail server"

Currently both options can not be used. Select "Message Only" and leave "Paste in a picture of the selection" unselected.

Server

**MIME attachment encoding method UUENCODE does not work properly**
When UUENCODE is selected in the "Server Configuration Settings / MIME / Conversion Options / Outbound / Attachment Encoding Method" field, the MIME multipart information is suppressed. This causes both text/plain and text/html parts to appear in the resulting "text/plain" message and all of the "cid" information for embedded images in the HTML part to be lost.

**Workaround**
To work around this issue, select "Base64" as the encoding method.

Server

**NDRs for IMAP Clients may display wrong header information**
When certain IMAP Clients fetch the header information for a Non Delivery Report (NDR), the Domino server may return the wrong header information. This information may be cached by those particular IMAP Clients, and will not be refreshed.

Client

**Issues with R5 Mail Rule that moves documents to Trash**
There is an R5 Mail Rule that moves documents to the Trash folder ($Trash), marks those documents for deletion, and prompts the user to empty (delete) those Trash documents.

After upgrading a mail database to Notes 6, a new method of deleting documents, Soft Delete ($SoftDeletions) is enabled by default. When the user is prompted to empty trash after upgrading the mail database to Notes 6, and responds 'Yes', all documents formerly in the $Trash folder are now shown in the $SoftDeletions view.

Note that, in Notes 6 mail, if the User Preference "For trash that is not emptied at a timed interval, empty trash folder" is set to "Prompt me during database close", and Soft Deletions are enabled, the user will not see these documents. This is because $SoftDeletions is a view, and not a folder like $Trash.

Instead of moving to Trash, this Rule should be modified so that the action is 'Delete'.

Client

**Mail created with Personal Stationery does not archive**
Mail messages created with Personal Stationery retain the properties of the stationery, and not a mail message. Because the value of $NoPurge is still present on the document, archiving messages created with Personal Stationery is not possible.

Beginning with Notes 6, any new messages created from Personal Stationery will no longer have the $NoPurge item on the document. However, no changes will be made for messages created previously.
**Client**

**Mail Rules do not work in local replica**

Because Mail Rules are processed by the Domino mail server at the router level when incoming mail is processed, and not at the Client level, local mail database replicas are not capable of processing the Mail Rules themselves. This includes local replicas used for internet mail (i.e., POP3 or IMAP).

**Server**

**Router requeues messages when a directory replica is unavailable**

This release note documents a change to the default behavior for Router lookups in Domino 6.

In cases where a message recipient cannot be found in the directory and there is a replica of any configured secondary directory is currently unavailable, the lookup task returns an error indicating that the results it returns are not complete. When this occurs, the Router marks the message with the status "WaitingForDIR", and requeues the messages for a later attempt. This behavior ensures that an unavailable directory replica does not result in the server erroneously returning messages addressed to valid users. The Router also retries messages addressed to invalid, nonexistent users; for example, the Router may also requeue UCE (spam) addressed to nonexistent users.

A new NOTES.INI variable, RouterPartialLookupResults, lets you specify Router behavior in the event that a name lookup fails when a configured directory replica is not available.

**RouterPartialLookupResults**

**Syntax:**

```
RouterPartialLookupResults=value
```

**Description:** Determines how the Router responds when it cannot find a message recipient in any available configured directory and one or more of the configured directory replicas is currently unavailable.

0 - (Default) The default condition applies when the variable is undefined or does not exist in the NOTES.INI file. Using this value ensures that an unavailable directory replica does not result in the server erroneously returning a message addressed to a valid user.

1 - If the recipient cannot be found in the available directories, the Router uses the partial results (including none if the recipient is not found) returned by the lookup task. If the recipient is not found in any available Domino Directory, the Router treats the message as invalid and returns the message; the Router does not requeue messages. The Router lookup task does not report whether the results it returns are incomplete.

2 - Revert to Domino Release 5-style lookup behavior when Domino Directories are unavailable. Any unavailable Domino directory is skipped and an attempt is made to locate the given address in other available configured directories. If the recipient cannot be found in the available directories, the Router treats the address as invalid and returns the message to the sender in a non-delivery report indicating that the user does not exist. Because unavailable directories may have led to incomplete lookup results, the server may erroneously return mail addressed to valid users.

**Applies to:** Mail servers

**Default:** 0

**UI equivalent:** None

**In DA configuration, SMTP messages requeued more than messages received over Notes routing**

In configurations that use Directory Assistance (DA), the new default Router behavior may result in messages received over SMTP being requeued more often than messages received over Notes routing. This is due to more options being available in DA for configuring hierarchical name lookups.

For example, in a DA environment, you can configure name lookups for hierarchical names so that if a name is not found in the primary directory, the Router directs additional lookup queries to a designated directory, based on the name hierarchy. For example, you can specify that lookups for all names in the hierarchy */*/AcmeWest are directed to the secondary Domino Directory for AcmeWest, and lookups for all names in the hierarchy */Sales/AcmeDC are directed to the secondary Domino Directory for AcmeDC. In this case if the Router cannot find the names Hiroko Shimada/IT/AcmeWest and Julia Farrell/Sales/AcmeDC in the primary directory, further lookups are directed to the AcmeWest and AcmeDC directories, respectively. If the names are not found in the specified directories, lookup fails, and the message is returned. Lookup queries for these addresses are not sent to any other secondary directories that may be configured in DA. Thus, the unavailability of any other secondary directories will not cause the message to be requeued.
On the other hand, you cannot configure DA to use only certain secondary directories when performing name lookups for addresses in the non-hierarchical SMTP format. Thus, if the Router is unable to find the recipients Hiroka_Shimada@acme.com and Julia_Farell@acme.com in the primary directory, it makes additional queries to all configured secondary directories. If any one of these secondary directories is unavailable, the message is requeued.

**Troubleshooting unavailable directory errors**

When the Router requeues messages due to an unavailable directory, the server reports the following error to the Notes Log and server console:

```
Router: Unable to dispatch message 00532922 to <user@localdomain.com>. A remote directory resource is unavailable, message will be requeued.
```

To determine the number of messages requeued and awaiting directory availability, enter the following command at the console:

```
Tell router show
```

Requeued messages are indicated in the server's response as follows:

<table>
<thead>
<tr>
<th>Msgs</th>
<th>State</th>
<th>Via Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>WaitingForDIR</td>
<td>Waiting for Directory availability.</td>
</tr>
</tbody>
</table>

**To determine which directory is unavailable**

1. Verify the mail server's current directory configuration. You can determine the current configuration by viewing the Directory Information section on the Basics tab of the Server document and checking the server's Directory Assistance database to determine the configured domains.

2. Check the configured directories against the list of directories that are currently in use by the server. You can generate a list of available directories using the following command:

```
show xdir
```

The server displays a response similar to the following:

<table>
<thead>
<tr>
<th>DomainName</th>
<th>DirectoryType</th>
<th>ClientProtocol</th>
<th>Replica/LDAP Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ACME</td>
<td>Primary-NOTES</td>
<td>NOTES &amp; LDAP</td>
<td>names.nsf</td>
</tr>
<tr>
<td>2 ACMEWEST</td>
<td>Secondary-NOTES</td>
<td>LDAP</td>
<td>serverwest/acme!!names.nsf</td>
</tr>
<tr>
<td>3 ACMEDC</td>
<td>Secondary-NOTES</td>
<td>NOTES &amp; LDAP</td>
<td>edc.nsf</td>
</tr>
<tr>
<td>4 ACMELDAP</td>
<td>Secondary-LDAP</td>
<td>NOTES &amp; LDAP</td>
<td>ldap.acme.com:389</td>
</tr>
</tbody>
</table>

Domains that are listed in DA that do not appear in the results of the SHOW XDIR command, may be unavailable.

The Directory type field indicates whether the directory is a Primary or Secondary directory, a Configuration directory, or a Remote Primary directory.

For more information about using the SHOW XDIR command, see Lotus Domino Administrator 6 Help.

3. Review your servers Notes log (LOG.NSF) for entries indicating that a Domino directory is currently unavailable. Some log examples:

```
02/01/2002 02:43:49.30 PM DA> Could not access Domino Directory on Server CN=F00/0=MDN, error is Remote system no longer responding
01/02/2002 01:21:03 PM Directory Assistance could not access Directory F00 book foo.nsf, error is Unable to find path to server
02/20/2002 03:58:38 PM WARNING: Domain MDN is your remote primary domain, and no replicas are available. Your server cannot process users and groups. Please contact your system administrator.
```

**SMTP Inbound 'Allow' and 'Deny' lists now work as documented**

In Domino 6 the Allow and Deny lists in the Configuration Settings document for the SMTP Inbound Relay Controls, Inbound Connection Controls, and Inbound Sender Controls (Router/SMTP - Restrictions and Controls - SMTP Inbound Controls tab) now work as documented. In Domino Release 5 if an entry was placed in the Deny field for one of the controls, the SMTP listener ignored the corresponding Allow field. In Domino 6, this in no longer true. In this release, if the same entry is listed in an Allow field and a Deny field for a given control, although the entry in the Deny field takes precedence, the SMTP listener honors other unique entries in the Allow field.
Client, Server

**Upgrade-by-mail and client/server configuration**

Do not use Upgrade-by-mail to upgrade a mail file template on a computer that runs both a Lotus Notes client and Domino server. When you click the "Upgrade mail file" button, it may load the mail conversion utility from the server program directory rather than the client program directory, causing both the Notes client and conversion utility to fail.

Client

"Pick Inbox Style" is visible for Full Access Administrators

Users that are listed as "Full Access Administrators" will see the feature 'Pick Inbox style' in their own personal mail file, when clicking the Actions menu. This is not a bug, but is, in fact, accessible since the user is a "Full Access Administrator", and this feature is available only to Administrators in the template, though not usually in a mail file.

"Full Access Administrator" is a super authority which overrides all these restrictions.

Client

Encrypt saved copy of Sent message does not disable

The User Preference, Encrypt saved copy of mail that you send, cannot be disabled. This means that any encrypted message you send and save a copy for yourself will also be encrypted.

Client

Mail Rules handled in order of list

You must be careful how you create your mail rules; mail rules will execute in the order that they are listed. The server will look at the first rule and, if it applies, the server will take action and move onto the second rule, check if it applies, take action, and so on. The server will cycle through all rules and, if applicable, take action; the server does not execute the first applicable and then stop.

Client

Mail Rules need compaction tool

Client Mail Rules has a limit of 50 rules; if the client user has created many rules (say 40), and then they decide to make some changes and delete/disable some rules (for example, 20 rules), they will think they can now create up to 30 more rules. This is not a correct assumption.

In the current release of Notes/Domino 6, when you disable/delete a mail rule, there is no clean-up of the rules order number, so when users start to create rules again, thinking, as in the example above, that they're beginning with rule number 21, the numbering will actually start with 41 and, once past the 50-rule limit, rules created will never work.

Client

Return receipt is incorrectly marked in some signed messages

If a message is signed and/or encrypted with or without a signature, and the sender and recipient are using different Notes releases, the delivery information for that message will be incorrectly marked 'Return receipt requested'.

However, a return receipt is not generated.

Client

Switching the encoding only affects the message body

You can switch the character set encoding for the MIME message manually, but it's only for the message body; nothing happens to the message subject.
Client, Server

The character set UTF-7 does not work for the message body
You can select 'UTF-7' as the character set for outbound messages in the configuration document on your server, however the message will be sent by encoding 'UTF-8' in the message body instead.

Client

Unable to clear Email address for some contacts
The Email field reappears after using the Clear button on contacts where the mail system is Lotus Notes.

Workaround
Click on the hotspot for Mail Address Assistance and change the mail system to Other, then clear all fields in the Mail Address Assistance.

Administrator Client

Upgrading IMAP-enabled Notes 6 mail file returns an error
If a Notes 6 mail file has previously been IMAP-enabled through seamless mail upgrade, or by running convert -e, uncheck the "Mailfile to be used by IMAP" checkbox in the desktop policy, or run nconvert -e- on the mail file before running seamless mail upgrade.

Client

'Reply to' or 'Forward' when mail db view is closed causes crash
If a user replies to or forwards a message, does not save the copy, and has previously closed all instances of the mail database view (Inbox, Calendar view, etc.), a crash will occur.

Client

Arrow keys do not move cursor if SCROLL LOCK is on
If you find that the Arrow keys do not move your cursor in a document, but scroll the document instead, press the SCROLL LOCK key to unlock it. A green light at the far right of your keyboard tells you whenever the SCROLL LOCK key is on.

Client

Follow-up alarms need Calendar preference
If you have flagged a mail message for follow-up and have set an alarm to remind you of the follow-up action, make sure the following Calendar Preference is also set, or the follow-up alarm will not display or sound:

1. In your Calendar, choose Tools - Preferences.
2. Click the Calendar & To Do - Alarms tab.
3. Select "Enable the display of alarm notifications."

Client, Server

Forward flag not set using local replica w/ On Server location
The Forward flag will not be set when 'Mail File Location' is set to "On Server", and the user is working off of their local replica. To avoid this issue, ensure the Location record 'Mail File Location' is set to "Local" when working off of the local replica.
Client

**Index rebuilt with Archiving**

If you have a full-text index on your mail file, every time you drag and drop documents to an Archive, the Index will be rebuilt.

Server

**Server Mail Rule with importance will not trigger internet mail**

Creating a Server Mail Rule when the condition is important will not trigger the Server mail Rule when mail is sent by a Netscape or Outlook Express client. These internet clients only set the priority of the message which effects delivery status. The condition importance relates to the message content.

Policy issues

**Administrator Client, Client, Designer**

**General Setup & Desktop Policies information**

Below is some general information regarding Setup Settings & Desktop Settings that are deployed via Policies:

- Policies are a Lotus Notes and Domino 6 feature only. An R5.Ox Notes Client does not support any Policy functionality, even if the mail server is running Domino 6.
- When upgrading to the latest Domino 6 release, please replace the design of the Domino Directory so that it includes the most current template code.
- If the error: *Document not signed* displays, the likely cause is an unsigned Settings or Policy document. To resolve this, open the Domino Directory and edit, then re-save each Settings and Policy document. Another alternative is to delete all Settings and Policies documents and create new ones.
- To add links (folder, database, document, URL, etc.) to the "Bookmarks to merge with users' bookmarks" outline in a Desktop Settings document, simply drag and drop items from the title bar onto the bookmark outline. If you are rolling out a more complex bookmark hierarchy, including the use of folders, you may find it easiest to create the bookmark hierarchy in the Notes Client and then populate the Desktop Settings document using the bookmarks created in the Notes Client.

**Administrator Client, Server**

**Resave Archive settings from earlier beta versions**

If you archived to "local" in an earlier version of Domino 6, you must resave the archive settings from your mail file.

**Administrator Client, Server**

**Delete Policies and Subpolicies from previous releases**

If you created Master Policies or Subpolicies (now "Settings") in an earlier release of Domino 6, you must delete them from the Domino Directory before updating the Domino Directory design with the current Domino 6 template.

Subpolicies have been renamed to 'settings', and field names have been changed. Master policies are now called 'policies'.

**Administrator Client, Client**

**'Default Welcome Page' field becomes blank**

The 'Default Welcome Page' field in the Desktop Settings form of the Domino Directory may sometimes become blank. To correct this, put the Desktop Settings document in Edit mode, click the 'Corporate Welcome Pages database' link in the field above, and cycle through each custom Welcome Page to refresh the list. Save & Close the Desktop Settings document.

Now, open the Desktop Settings document in Edit mode again and the 'Default Welcome Page' field will display the list of custom welcome pages available in the database.
'IMAP4 Server Error' when deploying Policies to Notes Client

When trying to deploy an Account using the IMAP protocol via Setup or Desktop Settings, the end user may receive this error when authenticating with their home server:

Error logging into server <server name>: IMAP4 Server Error. Unable to complete request. LOGIN invalid user name or password.

This is a one-time-only error message that occurs because the Account document being created in the personal address book requires a user login name & password to access the account. If users report this error, simply advise them to edit the Account document and add this information.

Keeping Policy documents from servers earlier than 4.67a

Policy documents replicating from a Domino 6 server to a server earlier than Domino Release 4.67a can produce a "Database has too many unique field names" error repeatedly upon replication.

For Domino 6, a readers field ($PolRdrs) has been added to each of the "policy"-type forms in the Domino Directory. This field is blank by default, allowing all entities within a domain to have read access to the documents. Additionally, a new role, [PolicyReader], has been added to the ACL of the Domino Directory. To effectively stop the flow of policy documents to servers at levels earlier than 4.67a, two things must be done:

1. The policy forms must be opened, and the default value of the $PolRdrs fields changed to reflect the [PolicyReader] role set as the default.
2. The [PolicyReader] role must then be assigned to all entities (Servers, Administrators, etc.) within a domain that need to keep reader access to policy documents (in this case, excluding servers earlier than 4.67a).

Not all Public Archive settings show up in mail outline

When using Archive Settings, the enabled settings appear in the mail outline section of the Mail Client, under 'Tools'. There is an intermittent issue when you use Archive policies; not all of the enabled settings will appear in the mail outline.

These settings will be enabled and work properly in a future release of Domino/Notes 6.

Pushing updated policies to the local cache

You can force updated policies to be pushed to the local cache. After you have updated the policy or associated settings documents, wait about five minutes for the indexes, views, etc. to update. Then do one of the following:

- Press F5 to clear the local settings, and then press F9 to reset the settings with the server.
- Enter the server command DROP ALL to force authentication and update the cache with any changes to policies.

Setup Profiles, Setup Settings & Bookmark creation

When using the R5 Setup Profiles feature or the Setup Settings feature, it is likely that bookmarks will not be created on the Notes Client for database links in the Setup Profile or Setup Settings document if the server on which the database is located is not running when the user performs their initial Client Setup. If the server is launched at a later time, the bookmarks may still not be created on the user's Notes Client.

One workaround for this would be to include critical bookmark links in a Desktop Settings document, which will refresh on the Client once the server comes back up.
Administrator Client

**Administrator client crashes on exit if in a Policy view**
In the Administrator client, when in a Policy view (for example, Configuration -> Policies -> By Settings), making a change and then closing out of the Administrator client causes a crash, with the following error message:

```
# FATAL THREAD 1/8 [ NLNOTES:0224:0750]
### FP=0012d034, PC=00736579, SP=0012d020, stksize=20
Exception code: c0000005 (ACCESS_VIOLATION)
```

Note this does not happen if you use the "Tools" option on the right to change settings.

Administrator Client, Client, Designer

**Custom Welcome Page for Client Setup via modem**
It's possible a custom Welcome Page deployed via Desktop Settings will not display on the Notes Client if the user has performed a new Client Setup over a modem. This can be caused by slow connection speeds, network interruptions, etc.. This problem is specific to dialup connections.

Administrator Client, Client, Designer

**Desktop Policies: customized Workplace on pre-6.5 Clients**
The Workplace in Notes feature is for a Notes/Domino 6.5 environment only. When deploying a customized Workplace via Desktop Policies, the Workplace will not display on pre-6.5 Notes Clients. Instead, the default 'Basics' Welcome Page will display on these Clients.

Administrator Client, Client, Designer

**Desktop Policies: deploying a customized Workplace**
There are several things to be aware of when deploying a customized Workplace via Desktop Policies:

- **Launcher**: Deploying items via the Launcher on the Workplace is not supported. If you drag/drop items to the Launcher and deploy a Desktop Policy with the customized Workplace, the Launcher will remain empty on users' desktops.
- **Group Calendar**: The Group Calendar button found on 'Team' tabs is not supported in Desktop Policies. The Group Calendar feature is specific to each individual user's mail file. As a result, it is not possible to deploy a Group Calendar to multiple users via Policies.
- **'Use System Colors' User Preference in combination with Workplace**: If the 'Use System Colors' User Preference is enabled, the Workplace banner in a customized Workplace will display using system colors, not the chosen banner color/pattern. This is consistent with this User Preference setting and how other aspects of the Notes Client display when it is enabled.

Administrator Client, Client, Designer

**Desktop Settings & 'Accounts' tab**
Some Desktop Settings may require authentication with the mail server multiple times, and several Notes Client exit/relaunches before displaying on the Notes Client. This can occur if the Desktop Settings document contains no values on the "Account" tab, or if the accounts being deployed do not generate an error message upon completion of a new Client Setup.

For example, creating new accounts via Policies can sometimes result in an error message if the server is not available, or if network login information is required to access the account (please reference the release note entitled "'IMAP4 Server Error' when deploying Policies to Notes Client"). It has been found that if the user does not encounter an error message on creation of a new account deployed via Policies, most other settings from the Policy will require many authentications with the mail server before displaying on the Notes Client.
Display problem for folders placed in Bookmark Outline

If folders are placed at the end of the bookmark outline in the Desktop Settings form, they display as blank in the Notes Client Bookmark bar (see below). This does not occur if there are database, document, or url links above & below the folders - only if the folders are the last item in the bookmark outline.

If the user hovers over the blank area with their mouse, the folder name will display. Also, if the user single clicks on one of the 'blank' folders, the bookmarked folder will display the correct bookmark contents from the Desktop Settings form.

Policies cannot be used with Domino and Notes R5

Policies can be used with Domino 6 and Notes 6 or more recent releases only. Policies cannot be used with the R5 Notes client. The Domino Administrator documentation contains the topic "Mail archiving and policies." The example that is a subtopic of this topic has been modified to include this note:

Note Policies can be used on with Domino 6.0 and Notes 6.0 and more recent only. For example, Domino 6 archive policy settings can not be applied to Domino R5 clients for use with the R5 mail templates on a Domino 6 server.

The overview topic "Policies" also contains the same note.

The revised topic "Mail archiving and policies" is shown here:

Mail archiving and policies

For the first time in Lotus Domino 6, administrators can centrally control mail file archiving using policies. Archiving is particularly useful for mail databases because when a user sends a mail message, Notes automatically saves a copy of it in the Sent view, causing the mail file to increase in size. Archiving the mail file frees up space and improves the performance of the mail database by storing documents in an archive database when they are old or not in use anymore.

The mail archive database is a Notes database, and can be accessed like any other Notes database. The views in a user's mail archive mirror the views in the mail file and includes all the folders that exist when mail is archived. So users can find and retrieve archived messages easily from within their archive database. When a document has one or more responses, the entire document hierarchy is archived.
You can also use archiving policy settings to define a document retention policy for your mail files. With document retention, you define the criteria for old documents, and then simply delete them from the mail database without archiving them.

If you choose not to include archiving policy settings in your policies, Notes users can still archive mail files using database archive settings in the Notes client.

**How mail file archiving works**

Mail file archiving is a three-step process that includes document selection, copying files to an archive database, and mail file cleanup.

- Document selection -- choosing which documents to archive based on activity and on folder selection. For example, you can define an old document as one that has not been modified for 365 days. You can then archive all documents that match that criteria, or you can archive only documents in specific folders that match that criteria.
- Copying -- copying selected documents from the source mail file to an archive database destination.
- Mail file clean up -- reducing the size of the source mail file by deleting archived documents or reducing them in size. You can reduce the size of the document by first removing attachments, and then leaving only the header information or leaving the header information and a portion of the mail document.

**Client-based and server-based archiving**

When you use policies to manage archiving, you use either server-based archiving or client-based archiving. In either case you can archive to a server. The terms server-based or client-based refer to where the archiving process occurs, either on a server or on the client's workstation. If you choose to archive on a server, you must create a program document to run the Compact server task. If you choose client-based archiving, however, the workstation must be running in order to archive documents. If archiving is scheduled at a time during which the workstation is not running, archiving will not occur. You can archive mail files to the following:

- Server-based archiving -- Using this option, the mail server archives to the mail server itself, or to another server that you designate as the archive server.
- Client-based archiving -- Using this option the individual workstations process mail file archiving. Depending on where the mail file resides, either on a mail server or on their individual workstations, mail is archived to the mail server, a designated server, or to their local workstations.

For more information on using a program document to run the Compact server task, see "Running Compact using a program document".

For more information on using a program document to run the Compact server task, see the chapter "Improving Database Performance."

**An example of using policies to manage mail file archiving**

*Note* Policies can be used on with Domino 6.0 and Notes 6.0 and more recent only. For example, Domino 6 archive policy settings can not be applied to Domino R5 clients for use with the R5 mail templates on a Domino 6 server.

Acme's administrator is happy to learn of policy-based archiving because of these issues with archiving mail files:

- Space is tight on the mail server.
- Acme needs a centralized archive server.
- Archiving cannot occur during peak work hours.
- End users must not be allowed to control their archive settings.
- Lotus Notes 6 clients will not be rolled out immediately.

To resolve the problems to Acme's archiving issues, the administrator uses these Archive policy settings, and applies them to all users, via organizational policies.

- Archive settings are centrally managed and enforced by the administrator; users are prohibited from changing or creating archive settings.
- Server-based archiving is enabled from a mail server to a designated archive server.
- The designated archive server is a Domino 6 server so that policies can be enforced in a mixed environment.
- Archiving is scheduled to occur during off hours.
- Optionally, pruning (removing attachments and body of mail, but leaving header information intact) might be helpful, depending on how tight space is on the mail server.
**Setup & Desktop Policies on a shared Notes Client**

Because Setup & Desktop Settings are applied to the user's Personal Address Book, Bookmarks, and notes.ini file (user preference settings), several users who share one Notes Client (& data directory) will be unable to have policies applied correctly. This occurs because these local databases can only contain one set of Policies data. If users with different Policies assigned share the same Notes Client, they will have problems receiving the correct Policy settings when they switch id's to use the Client.

One workaround for this would be to consider using the new Notes Multiple User Client feature. This allows users to share the Notes program files, but have their own personal data directories - all on one machine. The feature is limited to the Notes-only Client license. But, it is a great way to allow for the sharing of one machine/one Notes Client, but also allow users to have their own personal Notes files.

**Setup/Desktop Policies: need to exit & re-launch Notes Client**

There are some field values from the Setup & Desktop Settings documents that will not display on the Notes Client until the next session in Notes. These include most User Preference settings and may include Bookmarks and/or a Custom Welcome Page. If these settings don't display after an initial Client Setup or authentication with the mail server, try exiting and then re-launching the Notes Client; the settings should now display.

This occurs because certain settings are stored in cache upon launching the Notes Client. Changes to the field values are not reflected until the Notes Client is exited & then re-launched.

**Setup/Desktop Policies: no Bookmarks, Welcome Page/Workplace**

In some cases, it's possible that a user who is assigned both a Setup Policy & a Desktop Policy will not receive the bookmarks from the Desktop Policy or a custom Welcome Page when they perform a new client setup.

If a user reports this problem, simply make a small change to the Desktop Policy, then save & close the Policy document. When the user next authenticates, the bookmarks & custom Welcome Page/Workplace should flow down to the Notes Client and display correctly.

**Setup/Desktop Settings: Connection documents are dial-up only**

Please note that while Setup & Desktop Settings allow you to create connection documents in the user's Address Book, these connection documents are for modem dial-up connections. At this time, it is not possible to create connection documents for other server connection types (LAN, remote server, passthru, etc.).

**Printing issues**

**Problem printing code for dual platform (Client\Web) Events**

With the new dual platform event model, users can program separate code types for the same event, for applications to be run in Notes and on the Web (e.g., button Click can have Client LotusScript to run in Notes, and Web JavaScript to run on the web).

Printing code from the programmer's pane does NOT take into account this dual platform coding functionality. For example, if a user codes a button's Click event to run LotusScript for the Client and JavaScript for the Web, when printing the code (All Objects - All Languages), only the LotusScript prints out.

**Workaround**

Select the Web code and print out the "Current Section".
Multi-page mail doesn't print properly in Internet Explorer
When printing a multi-page mail message from Internet Explorer 5.5, only the first page prints. Microsoft patch Q810847 fixes this problem.

Client

Printing to legal-sized paper
Following the steps outlined in the Notes client Help, using the Page Setup tab is to change paper size, and to select the Page Source for printing to legal-sized paper may not produce the desired result, even though the Print Preview shows correctly.

Workaround
Instead of using the Page Setup tab, change the paper size using the "Settings" button (File -> Print -> Settings -> Paper Size -> Form Type) and change the 'Letter' setting to 'Legal'.

Programming issues

Designer

Issues related to programming in Designer
Following are issues related to programming in Designer:

- Problem: “Generic LSE Failure” error changing event code type from LotusScript to Formula.
  Workaround: After changing the code from LotusScript to Formula, save, close and reopen the note and then enter the formula.

- Problem: Able to save design elements (Forms, Pages, Views, Subforms) with LotusScript compile errors.
  Workaround: Save the design element while the focus is in the event you are programming. All compile errors will be reported.

- Problem: Unable to save 64k+ LotusScript in Shared Field LotusScript event. When save is attempted, error prompt "Field is too large (32k) or View's Column and Selection formula are too large" is displayed.
  Workaround: None. This is a software limitation at this time.

- Problem: Coding Common JavaScript not working for Pictures or Image Resources.
  Workaround: Code the Picture or Image Resource to Run Web - JavaScript. Then change the JavaScript to Common JavaScript. From that point on, the common JavaScript setting will work as expected.

- Problem: Unable to save 64k+ LotusScript in Picture Hotspot LotusScript event. When save is attempted, error prompt “Paragraph or field cannot be larger than 64k bytes” is displayed.
  Workaround: None. This is a software limitation at this time.

- Problem: Performance issue editing code in 64k+ sections.
  Workaround: None. This is a software limitation at this time.

- Problem: “Generic LSE Failure” using the arrow keys to change an Agents code type.
  Workaround: Use the mouse to change the Agents code type.
- **Problem:** Crash deleting Simple Action token in designer when selected via <Shift><End>
  **Workaround:** Click directly on the Simple Action token (to select) and then delete

- **Problem:** “Generic LSE Failure” running agent that references a script library
  **Workaround:** Edit and resave the script library (optional: resave the agent after resaving the script library)

---

**Client, Designer**

**Issues with LotusScript Debugger**

Following are the issues related to the LotusScript Debugger in Notes/Domino 6:

- The LotusScript Debugger menu items are incorrectly grayed out, as in the following scenario:
  1. Open the Notes Client and Designer
  2. Create a LotusScript agent (2 lines) in any local database; while the agent is still open, click the 'X' to close the Designer window, and say 'Yes' to save changes to the agent
  3. Now, back in the Notes Client, turn on the LotusScript Debugger, open the same database in the Client, and run the agent from the Action menu.
  4. The Debugger comes up gray with menu items

If you do a completely new installation of Notes (i.e., a new Notes.ini file is created), the value for the Notes.ini variable "DebugWinSplitterPos" is set to "-10" (DebugWinSplitterPos=-10), which is causing the debug window to be displayed improperly, and it is not functional.

Upon restart, the value is reset but is set to a number that causes the WinSplitterPos to be at it's topmost position, and therefore hides all of the code. If the WinSplitterPos is manually adjusted, everything is fine.

---

**Client, Designer**

**Issues with document locking for web applications**

Following are the known issues around document locking for web applications:

- **WebQuerySave agent does not support document locking**
  Document locking is not supported in web applications that use the WebQuerySave agent. The agent uses HTTP, a stateless protocol, so it is not possible for the server to effectively engage and disengage the document locks. It is possible to lock a document using the NotesDocument.Lock() method in a WebQueryOpen agent, but it is not possible to unlock the document in a WebQuerySave agent and save the edits to the document.

  **Workaround**
  Write a separate agent to perform the document unlock function, and pass it the URL in order to unlock it.

- **‘Stale’ locks**
  The issue with ‘stale’, or old, locks is aggravated by the fact that HTTP is stateless. It is necessary, therefore, to write a simple agent that removes stale locks that are older than a certain time (the time of the lock is recorded in the note, in an item called $WritersDate).

Lock decay support will be addressed in a later release of Domino/Notes 6.

---

**Designer**

**LS2J Error handling**

When using LS2J to call Java from LotusScript, the user should look first at the LotusScript Error, before looking at the JavaError properties. If an error is trapped within LotusScript before Java is called, JavaError.ErrorMsg and JavaError.StackTrace will be empty strings.

In the code below, the user attempts to call the java.lang.Short Constructor. The correct call would be the signature for a short parameter:

```
Set obj = cls.CreateObject("(S)V", 1)
```

but, instead, the user calls the following:

```
Set obj = cls.CreateObject("(X)V", 1)
```
Since "X" doesn't match any Java type, LotusScript traps this error before calling Java, so the only error message is in
the LotusScript Error:

   LS2J Error: Constructor failed to execute

```
Uselsx *javaxcon

Sub Initialize
  Dim jSession As JavaSession
  Dim cls As JavaClass
  Dim obj As JavaObject
  Dim msg As String
  Dim jError As JavaError
  On Error Goto ErrorHandling
  Set jSession = New JavaSession()
  Set cls = jSession.GetClass("java/lang/Short")
  ' This signature would not match any Constructor
  Set obj = cls.CreateObject("(X)V", 1)
  Print obj.toString()
  Exit Sub

ErrorHandling:
  Print Error ' "LS2J Error: Constructor failed to execute"
  Set jError = jSession.getLastJavaError
  Print "Java error: " jError.ErrorMsg ' empty String
  Exit Sub
End Sub
```

However, if the LotusScript portion of LS2J cannot detect an error, it calls Java. For example, if the user had written,

```
Set obj = cls.CreateObject("(I)V", 1)
```

this signature could match a Constructor with an int parameter. LotusScript detects no error; attempts to call the
Java Constructor; and fails because the java.lang.Short class has no Constructor with an int parameter. The
LotusScript Error is still

   LS2J Error: Constructor failed to execute

but, because Java was called, there is also a jError.ErrorMsg:

   java.lang.NoSuchMethodError: <init>

---

Client, Designer

**Macintosh - Java Agents on a Macintosh Client**

If you are running Java agents on a Macintosh Client, you should have Mac OS 9 to 9.22. Also MRJ 2.2 or later should
be installed.

---

Server, Domino Web Access

**Using the Upload tag with the Domino Web Access Upload Control**

A web application that intends to use the Upload tag in the Domino Tag library, must ensure that the inotes6.cab file
has been installed into the root directory of the HTTP server for the environment that they are working in. The
component must be properly registered into the system registry.

This will allow the HTML generated by the Upload tag to correctly create an instance of the Active-X component for
Internet Explorer browsers. The component and the tag are not supported in Netscape browsers. To work with file
attachments in Netscape, the developer should use the attachmentlist and deleteattachments tags. Please see the
Tag Library documentation in the Domino Designer on-line Help file for implementation details.

---

Client, Server

**Issues related to Agent Runner**

Release 5 Agent Runner is incompatible with Notes/Domino 6, and is not available in the current release.
Designer

Issues related to Find and Replace in the Programmer's Pane
Following are issues related to performing Find and Replace tasks in the Designer programmer's pane:

- **Problem:** Wrap at start/end not honored for Replace all Find and Replace in Programmer's Pane
  **Workaround:** Be sure your cursor is at the beginning of the search text before doing the replace all.

- **Problem:** Event not selected in Objects pane when doing Find in Programmer's Pane.
  **Workaround:** Manually select the event in the Objects Pane after closing the Find and Replace dialog

- **Problem:** Find/Replace dialog box (Ctrl+F) loosing your code modifications if you perform a find with the cursor in the line that is currently being edited.
  **Workaround:** Commit the change (<enter> or save) before performing the Find.

- **Problem:** Find/Replace dialog box (Ctrl+F) gets stuck in an infinite loop in certain conditions to a lotusscript Replace All in a Backward direction.
  **Workaround:** Use the Forward direction to do the Replace All.

Designer

Issues related to LotusScript type ahead (Autocomplete)
Following are issues associated with the LotusScript type ahead (Autocomplete) feature in Notes/Domino 6:

- **Problem:** Type Ahead not working if New Line not entered after variable declaration in a (Declarations) section
  **Workaround:** After declaring a variable (e.g., Dim db as NotesDatabase), type a carriage return (<Enter>)

- **Problem:** LotusScript Autocomplete not working for 'no parenthesis' syntax - e.g., uidoc.Gotofield *
  **Workaround:** Use the parenthesis in the LotusScript syntax - e.g., call uidoc.gotofield()

Server

Issues relating to WebSphere integration
Following are issues related to WebSphere/Domino Integration:

- **Problem:** "WebSphere Application won’t start when LotusXSL.jar is included on classpath"

  When starting a WebSphere application server, WebSphere's administration console makes use of the class com.ibm.websphere.product.wasProduct, method: writeFile. This takes an argument of the form org.w3c.dom.Document. Unfortunately, when the LotusXSL.jar file used for Domino's Java interface to XML is incorporated into the classpath for the application server, it causes a conflict, and the method call is reflected as having been supplied with an incompatible Object.

  **Workaround:** None. This is a software limitation at this time.
  The Java classes requiring LotusXSL.jar cannot be employed when running in a WebSphere application. Both remote (CORBA) access and local (W32 only) access are affected.

Server

Non-ASCII characters cannot be used for JSP name attributes
We do not support the use of non-ASCII characters for any name attributes and identifiers for the Domino Tag library in the JSP page. The Domino Tag library generates Java and JavaScript codes that use these characters as they are, but some browsers cannot recognize them properly.
Issues using https:// protocol in Java URL class
This problem is not specific to Notes. It's a problem in the Java implementations through JVM 1.3.1.

An attempt to create a URL with a secure HTTP protocol (https://) will fail at runtime. For example:

```
URL url = new URL("https://www.verisign.com");
```

will generate a runtime error to the effect that https:// is an unsupported protocol.

This can be gotten around with software available from Sun as described below, which covers Windows, but the same software is available for Linux as well.

How to use https:// protocol in Java URL's in Notes
Java through 1.3.* does not support https:// protocol. However a Java extension is available that will handle this for you which you have to download and install.

To download:

1. Go to http://java.sun.com/products/jsse/index-103.html and download JSSE 1.0.3_01. It's recommended that you read the entire page, since it contains information about export restrictions and where to get documentation. You'll have to login to the Sun Download Center (registration is free) in order to do the download.
2. Unzip the downloaded file.
4. Follow the instructions in the INSTALL.txt file. Important: The directory <java-home>, mentioned in the INSTALL.txt, for Notes is the <NOTESBIN>/jvm/ directory, where <NOTESBIN> is where your Notes binaries are. In particular, the JSEE .jar files need to go into <NOTESBIN>/jvm\lib\ext
5. Restart Notes.

In your Java agent, you must include the statement:

```
System.setProperty("java.protocol.handler.pkgs", "com.sun.net.ssl.internal.www.protocol");
```

before any references to the https: protocol in a new URL statement.

Further documentation can be found in the JSEE 1.0.3_01 distribution in the doc\guide and doc\apidoc directories.

NotesRichTextRange.TextRun issue has been fixed for Windows
In the 6.0 release of Notes/Domino the second attempt to access the TextRun property of a NoteRichTextRange object caused a crash. This problem existed in 6.0.1 and 6.0.2 also.

For this release, the problem has been fixed for Windows platforms, but it still exists for Unix and Macintosh.

Replication issues

Client
Macintosh - Call status is not cleared on the status bar
When performing scheduled replication over X.PC on a Mac, the status information still appears on the status bar when the call is hung up.

Once replication is done and the call has hung up, the status bar still displays "Modem port: xxxxx bits per second connection established".
Administrator Client, Client, Designer

**Threshold chg. in Replication Settings apply to current location**

When setting up a Notes Client and choosing “Replication settings for sending and receiving mail” from the Additional Services dialog, the threshold you originally enter for sending outgoing e-mail messages before you choose your replication schedule will hold for all location documents. If you change the threshold value after you enter your replication schedule, that new threshold value will only display in your current location document. If you’d like that new threshold value to be in another location document, simply edit the location document and make the changes.

Administrator Client, Server

**Replicating ADMIN4.NTF between Domino 6 and Domino 4.67a**

When replicating the Administration Requests database template (ADMIN4.NTF) between a Domino 6 server and a Domino release 4.67a server, the following error displays in the log file

"Unable to store document in feyd1/Robco admin4.ntf (NoteID = 318) from admin4.ntf (NoteID = 318): Field is too large (32K) or View's column & selection formulas are too large"

You can disregard this error message, replication is occurring as it should between ADMIN4.NSF on each server.

---

**Roaming User issues**

**Client**

**Roaming ID files stored on the server cannot be switched from**

Users will be unable to switch to a local User.id file that has been previously saved from a RoamingUserID file. Notes doesn’t give users any warning or password prompt to indicate that their attempt to switch has not been successful.

**Client**

**Roaming user ID file may need to be kept locally**

If you upgraded to roaming user status prior to the current release of Notes 6, you may need to keep your ID file locally on the machine. Prior to this release, the roaming user feature created a ‘roaminguserid’ contact note in your personal address book. This note is where we store roaming information.

In the current release, we have moved this note to a profile note, so that it is hidden from the end user. In some cases, we are not finding the user ID attached to this note, so you may need to keep your ID file locally.

**Administrator Client, Client**

**Roaming users should replicate after password change**

Roaming users should replicate their personal Name and Address Book after making a change to their password. This is particularly important if they store their userid file in their personal Name and Address Book. Failure to replicate after making a change may disable access to personal roaming data and the Notes client.

**Administrator Client, Client**

**Roaming users should have ID recovery enabled**

If you are a roaming user, it is recommended that your Administrator enable ID Recovery for your ID. This is particularly important if you store your userid file in your personal Name and Address Book. In each of the situations described below, you could lose access to personal roaming data and the Notes client. ID Recovery will allow an Administrator to restore access to personal roaming data and the Notes client.

- Password Checking is 'Enabled', and the required change period has expired
- You forget your password
- You make a password change and fail to replicate
### 'Cancel' button on the 'Send Data to Servers ...' dialog

Depending on the chain of events when you exit Notes, the 'Cancel' button may or may not be available on the dialog which asks "Send Data to Servers (update servers with changes made to the local databases?)". You may also notice that the Workspace background turns solid grey when this dialog appears.

These behaviors may occur when the Notes application is interrupted during the process of shutting down. Providing the 'Cancel' option may cause problems during the application Exit routine, so it is not displayed.

### Adminp request error deleting Roaming User from Domino Directory

When a Roaming User is deleted from the Domino Directory, you may notice that the "Get Replica Information for Deletion" adminp request fails with the following error (which also displays in the "Errors\All Errors by ..." views of the Administration Requests database):

**Action:** Get Replica Information for Deletion  
**Name(s) acted upon:** <username>/<domain>  
**Action requested by:** <username>/<domain>  
**Server responding to request:** <servername>/<domain>  
**Start time:** 08:14:30 AM 12/18/2002  
**End time:** 08:14:30 AM 12/18/2002  
**Databases processed:** None  
**Errors:** Title: File name: ROAMING\<user roaming directory>\journal.nsf; Error: The mail file specified for this person in the Domino Directory does not exist on this server.

This occurs only if the roaming user did not have a roaming Personal Journal database (journal.nsf). Trying to re-process the request will fail with the same error. At this time, the workaround is to click the 'Remove from View' button to remove the invalid error from the view.

### Bad data pointers when no User Profiles

To use the Notes Multi-User Client, it is a requirement that "User Profiles" be enabled when using Windows 98/95. If "User Profiles" aren't enabled, or individual Windows settings aren't retained, a User may experience problems with the location of his/her Notes data directory.

If a Multi-User logs onto a PC and attempts to launch Notes, but receives a prompt for another user's ID, they should consult the Support technote on this subject. The technote explains how to correct the problem. **Refer to Technote V601: Multi-User: Bad Data Pointers when No User Profiles in Windows 9x**

### Change of display order for "Prompt to" cleanup dialogs

If the User’s Location/ Replication option "Replicate when Notes starts:" is set to "Prompt before replicating," and the User selects "No" for the prompting dialog, they may experience a different order of prompting dialogs when exiting Notes.

The Roaming User was designed to work by having the Replicator run at least once during the Notes session. If this situation occurs, the cleanup prompt dialogs are displayed prior to the dialog asking "Send Data to Servers (update servers with changes made to the local databases?)"
Client

**Cleanup of data directory on Win95/98 operating systems**

On the Windows 95/98 operating systems, the Roaming User cleanup routine works differently than on the W32 operating systems. The data directory and "clean" file remains on the local hard drive until a different Windows User logs in and launches Notes. Upon the launching of Notes (prior to logging into the application), the previous User's data directory and "clean" file are deleted appropriately.

Please note that data directories controlled by the "delayed" cleanup option are deleted from the local drive in the same manner, but the deletion will not occur until the appropriate time delay has passed.

Client

**Disabled replication settings get re-enabled when roaming**

If a roaming user disables their replication settings on startup and/or shutdown, Notes will reset replication when roaming to a new machine for the first time. This is to ensure that the data is consistent when roaming to a new system. After the user has been set up on a system, the user can then change the replication settings, which will then roam to any system on which they have already been set up.

Client

**Duplicate cleanup message when replication is "Off"**

This applies to 'On Prompt' cleanup type only. A duplicate message of: "Failed to replicate with roaming server. Abort the next scheduled clean up?" occurs when you turn off Replication, then exit Notes and answer 'Cancel' the first time the "Failed to replicate..." dialog appears.

Client

**Error during initial roaming setup with journal on Welcome Page**

If a roaming user has their personal journal or a roaming database other than their personal address book displayed on the Welcome Page, after roaming to a new machine for the first time, the following error may display:

"Unable to load frame's content: Database is not fully initialized (It does not contain any views). You will have to use 'Replicate...' on the 'File - Replication' menu to initialize it."

This is because only the necessary roaming databases, names.nsf and bookmark.nsf, are replicated in the foreground when roaming to a new machine. After replicating the databases, shut down and restart Notes, and the database contents will display correctly from the Welcome Page.

Client

**Icons don't appear in roaming bookmark list until db is opened**

After bookmarking some databases and then roaming to a new system, the database icons will not appear in the bookmark list if the database was not opened first before replicating the changes to the new machine. However, the database names will appear, and once the database has been opened on the new machine, the icons will then display correctly.

Client

**If switching IDs, must switch back to roaming ID file to roam**

If you are a roaming user and you switch to another ID file, and then don't switch back to your roaming user ID file before you shutdown, any changes to your roaming data will not be replicated to the server. You will not be able to roam the changes to your local databases until you switch back to your roaming user ID file and replicate to the server.
Administrator Client, Server

Renaming roaming user causes Accept Name Change repeat
This problem occurs for roaming users, when they respond with Yes to the "Accept name change" dialog. The next time the user tries to authenticate with the server, the user will be prompted again with the "Accept name change" dialog.

Administrator Client, Client, Designer

Replication on launch/exit remains enabled on Roaming downgrade
When a user is downgraded from a Roaming User to non-Roaming, the replication on launch and exit of the Notes Client feature remains enabled. This occurs even if there are no databases on the user's replicator page.

To correct this, simply edit the location document and disable the replication on launch and exit features. The user will no longer be prompted to update the server when exiting the Notes Client.

Roaming Downgrade fails to remove databases from Replicator Page
In some instances, a Roaming User Downgrade will fail to remove the Roaming databases from the user's Replicator Page. As a result, replication for these databases will fail because the databases have been deleted from the server.

To work around this, simply delete the entries from the Replicator Page. Also, if the user has no other databases on their Replicator Page, they may choose to edit their location document and disable the replication on launch and exit features.

This seems to occur for users who set up their Notes Client as a Roaming User and are later Downgraded from Roaming. If the user upgraded to Roaming on the Notes Client, the Roaming databases are successfully removed from the Replicator Page.

Client

Roaming User 'Prompt to Replicate on Startup'
Each user has the option in their Location document to either turn on or turn off Replication upon launching Notes (the field section is labelled "Replicate when Notes starts."). Other than turning this option on/off, you may also select to be prompted before Replicating upon Notes startup. A dialog displays, giving the user the option to replicate (select "Yes") or not replicate (select "No"). Please note the important "recommendations" below regarding these options if you are a Roaming User.

Recommendations
- It is not recommended to select "No" when prompted for the dialog to start Replication upon Notes Startup.
- If you select to initialize (start) the Replicator upon launching Notes, do not shutdown Notes while the Replication process is still running.

What will happen if you do not initialize Replication upon launching Notes:
1. The prompting dialogs (upon shutdown) for the Cleanup feature tend to be in a different order then if you had initialized Replication upon launching Notes for that session. For example, if you are an "On Prompt" cleanup User, you may be asked to cleanup your data before being prompted to send your data to the server.
2. If a User exits Notes (electing not to cleanup their data) and continues to re-launch Notes immediately, he/she may run into an fatal error when Notes is eventually exited and "Yes" is selected to 'Send data to the server.' The fatal error says "Unable to Invoke Program" and Notes closes when OK is clicked in the error dialog. The situation has to be "just right" to receive this error, but it may cause a User to lose their data if they have confirmed to cleanup their data prior to receiving this error.

To avoid this problem, upon Launching Notes open the Replicator page (from the bookmark icon) before proceeding with any work. This will reset the Replicator page and avoid a potential Error message later. The Replicator page may be closed or left open on the Notes desktop.
Roaming User Client setup - 'Connection denied' message

If a Roaming User performs a new Client Setup and their Domino Server requires additional information to connect during Setup, they may receive this error: **Connection denied. You requested server x.xx.xxx.xxx but connected to <servername/domain>**. In this scenario, the IP address in the message is correct for the named server, but an error is being generated. Simply click ‘OK’ at the message and Notes Setup will complete without further errors.

Roaming User Client Setup that requires server connection doc

If the Notes Client requires a connection document to access the Roaming server, the user may receive replication error messages during a new Client Setup. Specifically, once the user has selected the default location, the following errors may display:

- **Connection denied. You requested server x.xx.xxx.xxx but connected to <servername/domain>**
- **The server is not responding. The server may be down or you may be experiencing network problems. Contact your system administrator if this problem persists**

Simply click ‘OK’ at both error messages and Setup will complete.

The user may also notice that replication on launch also fails with the same error. If this occurs, simply open the mail file, go back to the Replicator Page, and click ‘Start Now’ to manually replicate the databases. Replication should be successful from this point forward. This is a one time problem, on a new Client Setup.

To avoid this problem, the user can enter the server’s IP address, instead of the Domino server name during Client Setup. This will direct the Client more clearly to the user’s server.

Roaming User Client setup & Instant Messaging configuration

As of Notes 6.5, there is a new **IM Setup** dialog in Client Setup that allows users to configure Instant Messaging for use within their Notes Client. A newly registered Roaming User will see the IM Setup dialog when they perform their 1st Notes Client Install/Setup. In addition, when a Roaming User upgrades their existing Notes Client, they will also see the IM Setup dialog.

However, if a Roaming User performs a new Client Install/Setup, they will never see this dialog. This is working as designed because the user’s IM configuration will roam via their personal address book. Just as the Additional Options dialog does not display in this scenario, the IM Setup dialog will not display.

Roaming user must respond consistently to accept a name change

After a name change for a roaming user has been accepted on one or more roaming systems, the roaming user needs to respond the same on all systems that they may have already roamed to when asked if they want to accept the name change. Otherwise, they may lose access to some of their databases and/or servers from the system where they did not accept the name change.

Roaming User Upgrade not supported on Admin Client

The Domino Administrator Client does not automatically prompt users to replicate upon exiting the client. This will cause problems if a user is in the process of being upgraded to a Roaming User. If your Administrator has initiated an upgrade to Roaming for your user id, please be sure to use the Notes or Designer Client to initiate & complete the upgrade. This will assure a successful upgrade. Once you have been upgraded, you can successfully use the Administrator Client as a roaming user. But, please keep in mind that you will not be prompted to replicate your roaming databases upon exiting. You can manually replicate your databases at any time.
Administrator Client, Client, Designer

**Roaming User upgrade not supported via Passthru server**

Roaming User upgrade is not supported on a Client that is configured to access the Roaming server via a passthru server. If a user with this configuration has initiated a Roaming upgrade, they will receive a prompt to upgrade to Roaming on that Notes Client. They should decline the upgrade on this machine to prevent configuration problems. The user can successfully upgrade on other Notes Clients that access the Roaming server directly.

Administrator Client, Client, Designer

**Roaming User upgrade on Client that requires connection document**

If the Notes Client requires a connection document to access the Roaming server, the user may be unable to upgrade the Client to "Roaming". This can occur if the Domino server name differs from its machine name or the server is in a different network domain.

In addition, if the user has multiple Notes Clients that point to different network drivers, the user may not be able to connect to the Roaming server from one of their machines. For example, if machine 1 has LAN0 set to TCPIP and machine 2 has LAN0 set to NETBIOS, there may be problems once the Roaming Address Book (names.nsf) replicates to the server. In this case, the other machine will no longer be able to connect to the Roaming server because the network address will be in the format of the other machine's setting (TCPIP or NETBIOS - whichever names.nsf file replicated to the server).

Administrator Client, Client, Designer

**Roaming User upgrade, IM & Macintosh: must upgrade on W32 first**

As of Notes 6.5, there is a new IM Setup dialog in Client Setup that allows users to configure Sametime for use within their Notes Client. This feature is not compatible on Macintosh - the dialog doesn't display on Macintosh and all UI is hidden. This can be problematic for a Roaming User upgrade, as follows:

- regular user has 2 (or more...) Notes Clients: 1 on W32 system, 1 on Macintosh
- user has configured their W32 Client for Instant Messaging - location document reflects Sametime server & IM tab displays all settings
- Administrator initiates an upgrade to Roaming
- user initiates the upgrade on their Macintosh system as the first machine to roam --> the local names.nsf on this system now becomes the roaming address book
- the user now initiates the upgrade to Roaming on their W32 system --> all their Instant Messaging configuration has been cleared -- the Sametime server field is blank & all fields on IM tab now display default values

This happens because the Macintosh doesn't have Instant Messaging configured. Since the user upgraded on Mac first, that file became the roaming database. Upon replicating on the W32 system, all settings were removed.

To work around this, the user should initiate the upgrade to Roaming on their W32 system first. This way, all Instant Messaging configuration will remain intact for their Roaming databases. All data will remain intact, but hidden on Macintosh.

Administrator Client, Client, Designer

**Roaming User Upgrade: user says 'No', remains In Progress**

Once the Administrator initiates a Roaming User Upgrade, the user's Roaming status ('user can roam' field on Roaming tab of person document) is changed to **In Progress**. This status will be automatically updated to 'Yes' once the user has upgraded at least one Notes Client to Roaming. However, if the user never upgrades any of their Notes Clients, their Roaming status will remain in the 'In Progress' status indefinitely. There are two courses of action to change their Roaming status:

1. **Ask the user to perform a new Notes Client install and run through the Client Setup process:** if the user installs a new Notes Client on their system and launches the Client into Setup, they will be prompted to upgrade to Roaming at the end of Setup. The user should select 'Yes' at this time, which will move the Upgrade process forward and update their Roaming status to 'Yes'. The downside to this solution is that the user must re-create their bookmarks, re-populate their personal address book, and reset any user preferences they had in place on their other Notes Client. But once these settings are restored, they will Roam to the user's other Notes Clients.

2. **Administrator initiates a Roaming Downgrade and then re-initiates the Roaming Upgrade:** if the Administrator initiates a Roaming User Downgrade, the user's Roaming status will be changed to **No**. The Administrator can then initiate a Roaming Upgrade for the user, which will set the user's Roaming status to **In Progress**. Once the user accepts the request to upgrade, their Roaming status will be changed to **Yes**.
Roaming Users and the Workplace on multiple platforms

For the Workplace feature, there are several things to be aware of for Roaming Users who have multiple Notes Clients on mixed platforms (W32 & Macintosh):

- **Launcher:** If a roaming user places W32 applications in the Launcher, these applications will be inaccessible on their Macintosh, and vice versa. This includes applications that are installed on both systems (ex. Internet Explorer). When the user clicks on an inaccessible item in the Launcher, this message displays: *Unable to launch program.*

- **Instant Contacts list:** If a roaming user has Instant Messaging enabled on their W32 Notes Client, please be aware that this feature is not supported on Macintosh. As a result, all aspects of Instant Messaging are hidden on the user's Macintosh Client. In terms of the Workplace, the Instant Contacts list will display correctly on the user's W32 system, but will not display on their Macintosh system.

- **Internet Browser selection is critical for Roaming Users in mixed environment!** Please reference the 'Cross-platform issue: 'Notes with Internet Explorer' browser' release note in the 'Troubleshooting - Client issues' section for information about roaming users & browser options.

Roaming Users should replace design of Personal Address Book

Once a Roaming User has upgraded their Notes Client to the new release, they should replace design on their Personal Address Book database. There are design changes to the database and these are not automatically updated.

In particular, as of Notes 6.5, there is a new **IM Setup** dialog in Client Setup that allows users to configure Instant Messaging for use within their Notes Client. A newly registered Roaming User will see the IM Setup dialog when they perform their 1st Notes Client Install/Setup. In addition, when a Roaming User upgrades their existing Notes Client, they will also see the IM Setup dialog. The IM configuration settings from this dialog are stored on the **Instant Messaging tab** in the location documents in the Personal Address Book. The user must replace design on their Personal Address Book database in order to see this new tab.

Roaming Users with NNTP or IMAP Internet Accounts

There is a unique issue for Roaming Users with certain Internet Accounts. Please see the following:

**NNTP**

There is an account document in the local Address Book for an NNTP account. This account document is associated with a local NNTP database. While the account document will replicate to the roaming address book & will roam with the user to other machines, the local NNTP database does not roam. As a result, when the user opens the NNTP account document on another machine and clicks the "Open Proxy" button, they'll receive the correct error message: **File does not exist: <filename>.nsf.** The NNTP account is only valid on the original machine where the local NNTP database exists.

**INTERNET MAIL**

There are account documents in the local Address Book for the Incoming & Outgoing Internet Mail account. If the Incoming Internet Mail account protocol is set to IMAP, this account document is associated with a local IMAP database and a local mail.box/smtp.box file. While the account document will replicate to the roaming address book & will roam with the user to other machines, the local IMAP files do not roam. As a result, when the user opens the IMAP account document on another machine and clicks the "Open Proxy" button, they'll receive the correct error message: **File does not exist: <filename>.nsf.** In addition, when the user opens the Replicator Page, they'll see an entry for "Receive Internet Mail". The status for this line will always read **Server not responding** because there is no local database to replicate. The IMAP account is only valid on the original machine where the local IMAP databases exist.

Roaming Users & IM Server connection: no simultaneous connection

Roaming Users and multiple machine users can only connect to a Sametime server from one machine at a time. Logging on to a second machine will boot the user off of the other.
Roaming Users: Workplace on pre-6.5 Clients

The Workplace in Notes feature is for a Notes/Domino 6.5 environment only. If a Roaming User has multiple Notes Clients running different versions, the Workplace will not display on pre-6.5 Notes Clients. Instead, the default 'Basics' Welcome Page will display on these Clients.

In addition, if the Roaming User launches their 6.5 Client after using a pre-6.5 Client, the Workplace will not automatically display. The user will need to toggle the Welcome Page from Basics to the Workplace for it to display correctly. Please keep in mind that if the user continues to work in this multi-version configuration, this display issue will occur every time. It is recommended that Roaming Users try to use the same Client version.

Setup Policies not supported for Roaming Users

Setup Policies are not supported for Roaming Users. You'll find that if a Roaming User with an assigned Setup Policy performs a new client setup, most of the Policy settings will not display on the Client. This occurs because the Policy settings are copied down to the client upon completion of the new client setup and then replication of the roaming databases occurs. Since the majority of Policy settings are stored in the roaming databases, replication of the existing roaming databases overwrites the newly copied-down Policy settings.

To work around this issue for Roaming Users, simply use Desktop Policies, which contain all of the same fields as the Setup Policies.

Some roaming user preferences may require restart of Notes

If a roaming user makes changes to some user preferences, and the changes don't seem to appear when roaming to a different system, try shutting down and restarting Notes in order for the changes to take effect.

Windows 95/98 only: Don't use Cleanup feature

On the Windows 95/98 platforms, the automatic cleanup process for a Roaming User does not run automatically. This is expected, and has been documented. When the Multi-User version of Notes is installed, the cleanup feature relies on the "launching" of Notes (by the next User) to find the pending files and delete them.

However, there is an issue that occurs when one User exits Notes (which pends the files for subsequent deletion) and then re-launches Notes before the next User (who shares their PC) logs into Notes. The setup process incorrectly copies the Roaming User files to the Notes program directory; this will cause problems for all Notes Users who use this PC.

Workaround:
After the User exits Notes, manually delete the Data directory and associated .cln file. These two items are located in the Multi-User profile structure; see your Administrator to properly delete these items.

Note: Data for a "delayed cleanup" User will be kept intact until the time period for deleting the files expires.

Search issues

Server
SPARC - Search returns incorrect view ID
Search Site: searching from a browser returns an incorrect view id in URL on SPARC.
Client

**Full-text Indexing of Attachments may fail**

Some AmiPro attachment files, and Lotus 1-2-3 attachments containing WEB tables, may not be full-text indexed, therefore, the contents will not be searchable.

Client, Server

**Searching for text in HTML attachments fails**

One third of HTML attachments or files are not being indexed properly. Search results may not include all documents with search string.

Administrator Client, Client, Designer

**Help may need new full-text index after multiple upgrades**

If you've ever clicked the Search button in any earlier-version Help database, and you upgrade to Domino 6, overwriting the previous Help database(s), you may see the error message "The full text index needs to be rebuilt" the next time you open Help and click Search. To rebuild the index:

1. Click OK to close the error message dialog box.
2. Still in the Search view in Help, click the small black triangle at the right edge of the search bar to show more options.
3. Click the "Update Index" button (maximize the Help window if you can't see it), and click OK in the next dialog box.
4. Before searching, wait until the status bar shows a message saying that indexing is finished, and the circle in the search bar turns green with the word "Indexed" next to it.

Server

**Full Text and Domain Search**

It is recommended that database and domain indexes be rebuilt when deploying Domino 6. Here are the steps:

For database indexes from the server console:

```
load updall -x
```

For domain indexes from the server console:

```
tell domidx quit
load domidx -d
load domidx
restart server
```

For Local client full-text indexes:

Delete the index from the File - Database - Properties full-text tab:
Server

**If reports are not being reported - full-text index reports.nsf**
If you notice that scheduled or onetime reports are not being reported, manually full-text index reports.nsf. When creating the full-text index, use the default selections.

Server

**Full-text searching Internet mail messages for DBCS**
Full-text searching Internet mail messages may not work as expected when you search DBCS text that extends over two lines, and the message is stored in MIME format; you do not have the problem when you search text in SBCS. You can avoid this problem by enabling the "Fuzzy search" option.

Client

**Macintosh - To quit a Domain Search on the Macintosh platform**
On the Macintosh platform, to quit a Domain Search in-progress, use the system control keyboard <command apple> - period.

Client

**Macintosh - Underlined display search highlights on Attachments**
Attachment icons, which contain the full-text search result, are highlighted simply by a line of color under the icon itself; it may be difficult to notice.

Client

**Macintosh: Full-text search highlights don't print from open doc**
On the Macintosh, the full-text search highlights are not printed as "highlighted"; as designed, if you print a document from the View, the search strings are not highlighted.

Client

**Problem Deleting Add Condition "Query Token"**
Due to a problem in the Designer, deleting a "Query Token" in the Search Bar may cause the Notes Client to crash. Deleting the "Token" must be done in a specific way.

  **Workaround**
  Refer to "Issues related to programming in Designer" regarding deletion of the "Simple Action" token.

Client

**Rebuild full-text indexes on local client**
For any non-replica databases on your local client, delete the full-text index and recreate it. To do this, open the Database Properties -> Full Text tab for the desired database, and click the "Delete Index" button, then recreate using the "Create Index" button. The index settings are remembered.

  If a full-text index exists for a database that is a valid "Replica," the replication process will automatically re-create the full-text index.

  Be aware that shutting down Notes will terminate the full-text indexing process.
Client

**Search Query Troubleshooting and Limitations**
Following are the issues related to full-text searching in Notes/Domino 6:

- NOT queries must be correctly formatted; in the example below, the NOT (!) operator is ignored:

  Incorrect format: [body] ! director

  The correct format for this query is: NOT ([body] contains (director))

- You may experience problems searching in the Names and Address Book database. Performing a "fielded" search, using the wildcard option with the singular letters A through F, may not return all valid search results. This is a Search Engine software limitation.

  Example: FIELD lastname CONTAINS A*

  **Workaround**
  Increase the number for letters, before the wildcard character (*), to 2 letters.

- Error "Query is not understandable" may be given if the search query is created with a Query "condition" and any string, but without space between the two. The Search Engine can process a query using the operator symbols (!&,|) without spaces between query words and the operator symbols. However, when using a Query Condition Token (instead of a text string), the query requires a space between the operator symbol and the second text string.

  **Workaround**
  Insert a space between the query parts.

- Documents are not found when the search query is formatted like: word1.<space>word2 (<space> means that the 'space bar' was pressed).

  **Workaround**
  Surround the query with double quotation marks: "word1.<space>word2"

- The ACCRUE operator fails when the query is complex. The ACCRUE operator doesn't return the correct relevance order if the query includes additional search parts. This is a search engine limitation, it does not honor precedence set by parenthesis.

  Example of problem query: (word1) AND (word2 ACCRUE word3 ACCRUE word4 ACCRUE word5)

- The Search Engine does not support the Macintosh 10000 Code page.

Client, Server

**Uncleared Search results if document is left opened**

Search results are not cleared if a document from a Database is left open while the database is closed and re-opened. Occurs when sort option is set to "Keep Current Order" or "Show all documents."

This issue applies to full-text searching of Server databases only.
Server

"Searchresults No Documents Found" searching via browser

When searching a database such as the Domino Directory from a web browser (either directly browsing to names.nsf or through webamin.nsf) the "Search" button (red below) may appear not to be working.

When you enter a value in the field for which you expect results to be returned, and you receive the following:

Searchresults No Documents Found

it may be an indication that the database is not full-text indexed.

The "Start with" button (the other button shown above) will work without the database being full-text indexed.

Administrator Client, Server

Notes error with report when reports.nsf is full-text indexed

When the Reports database (reports.nsf) is full text indexed, administrators might see one of two behaviors when running a report once (Run this report = Once). An error such as "Notes error: No document found" or blank/incomplete results will be observed. To avoid this, delete the index of the database or simply run the report through the Domino Web Administrator. Scheduled reports should not be affected.

Server

Using view order search from web gives wrong results

Specifying "&SearchOrder=4" on a view search will produce unexpected results. Incorrect results will occur if:

- the "&start" argument is used with any value other than "1"
- the number of documents found is greater than the number of documents which can be displayed. The number of documents to display is governed by:
  - a "&count" argument in the URL, or
  - the "default search limit" configured for the web site, or
  - the "max search limit" configured for the web site

Example:

Suppose that "mydb.nsf" has an "animals" view with 10 documents containing the word "cat" and 20 containing the word "dog". The web site "mysite.com" is configured with a default search limit of 5 and a max search limit of 15.

The following URLs will return correct results:


The following URLs will return incorrect results:

- http://mysite.com/mydb.nsf/animals?SearchView&query=cat (default search limit of 5 is less than the number of items found)
- http://mysite.com/mydb.nsf/animals?SearchView&query=dog&SearchMax=0 (max search limit of 15 is less than the number of documents found (20))

Recommendation

If you need to use "&SearchOrder=4" observe these recommendations:

- never specify "&Count" or "&Start" on the URL when using "&SearchOrder=4"
- always specify "&SearchMax=0"; this will override any "default search limit" which may be configured for the web site
- set the web sites Max Search Limit to a large value
Security issues

Administrator Client, Client

**Picking up Web Client Certificates returns "No Document"**
Clicking the "Install Certificate" button when picking up a User Certificate (certreq.ntf) from a web browser will return "No Document." The Agent that installs the Certificate cannot find the RequestID from the document because it is hidden from Web Browsers.

**Workaround**
In the "R5 Client Pickup" form, remove the 'hidewhen' for Web Browsers from the paragraph containing the "RequestID" field. Alternatively, enable "Generate HTML for all fields" on the form.

Administrator Client, Client, Server

**Known limitations with SSL and Notes/Domino 6**

**Successful Internet Client Certificate Authentication over SSL**
- Netscape 4.7x Client over HTTP(S), IMAP, and NNTP
- Mozilla 1.0 over HTTP(S)
- Mozilla 1.1 over HTTP(S), IMAP
- IE 5.5 Client over HTTP(S)
- IE 6.0 Client over HTTP(S)
- OpenSSL Client over HTTP(S), IMAP, and NNTP
- Notes 6 Client over HTTP, LDAP and NNTP

**Client Condition Summary**

- **Netscape 4.7x**
  - HTTP: Works as expected
  - LDAP: All Authentication Fails (Client Limitation), Anonymous works as expected.
  - POP3: All Authentication Fails (Client Limitation)
  - IMAP: Works as expected
  - NNTP: Client Certificate Authentication Fails (Client Limitation)
  - SMTP: Works as expected

- **Microsoft Internet Explorer 5.5, 6.0 & Microsoft Outlook Express 5.5, 6.0**
  - HTTP: Works as expected
  - LDAP: All Authentication Fails (Client Limitation), Anonymous works as expected.
  - POP3: Client Certificate Authentication Fails (Client Limitation)
  - IMAP: Client Certificate Authentication Fails (Client Limitation)
  - NNTP: Client Certificate Authentication Fails (Client Limitation)
  - SMTP: Works as expected

- **Lotus Notes 6**
  - HTTP: Works as expected
  - LDAP: Works as expected
  - POP3: Client Certificate Authentication Fails, Name & Password works as expected
  - IMAP: Client Certificate Authentication Fails, Name & Password works as expected
  - NNTP: Works as expected
  - SMTP: Works as expected
Authentication Methods

Settings below are found in the servers server document or Internet Site Document for each protocol respectively. Settings represent use of authentication methods to access an SSL secure session via each protocol.

**Legend:**
- Pass - Works Properly
- Fail - Bug/Crash/Not working as expected. Include a link to any SPRs
- N/S - Not Supported in Domino Configuration

<table>
<thead>
<tr>
<th>POP3 with SSL is not supported in Netscape</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAP and POP3 can not have anonymous enabled at all.</td>
</tr>
<tr>
<td>Fails over to Name/Pass</td>
</tr>
<tr>
<td>Fails over to Anonymous</td>
</tr>
<tr>
<td>Netscape 4.7x uses client certs to encrypt email and not to authenticate a secure connection with LDAP or POP3</td>
</tr>
<tr>
<td>SMTP Inbound does not support Client Certificates</td>
</tr>
<tr>
<td>Referal Hop Limit Exceeded</td>
</tr>
</tbody>
</table>

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<tbody>
<tr>
<td>Name/Pass: N</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Anonymous: N</td>
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<table>
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<th>Client Limitation 12</th>
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<tr>
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<td>Client Limitation 4, 10</td>
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<td>Pass</td>
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<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>NNTP Pass</td>
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<td>Pass</td>
<td>No Plans to Fix Failover</td>
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<td>Pass</td>
<td>Pass</td>
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</tr>
<tr>
<td>IMAP Pass</td>
<td>Pass</td>
<td>N/S 6</td>
<td>Pass 6</td>
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<td>Pass 6</td>
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<tr>
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<td>N/S</td>
<td>N/S</td>
<td>N/S</td>
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<tr>
<td>SMTP Inbound N/S</td>
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<tbody>
<tr>
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<td>Y</td>
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</tr>
<tr>
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<td>N</td>
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<td>5, 6</td>
<td>5, 6, 8</td>
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<td>Pass</td>
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<tr>
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<td>Pass</td>
<td>Pass</td>
<td>Pass 5, 8</td>
<td>5, 9</td>
<td>5, 8</td>
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</tr>
<tr>
<td>IMAP Client Limitation 5</td>
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<td>Pass 5, 8</td>
<td>5, 6</td>
<td>5, 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMTP Outbound N/S</td>
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<td>N/S</td>
<td>N/S</td>
<td>N/S</td>
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</tr>
<tr>
<td>SMTP Inbound N/S</td>
<td>N/S</td>
<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
<td>Pass 11</td>
<td>Pass 11</td>
<td>Pass 11</td>
</tr>
</tbody>
</table>

217
### IE 5.x - 6.x

- Uses client certs to encrypt email and not to authenticate a secure connection with IMAP, LDAP, POP3, or NNTP.
- IMAP and POP3 can not have anonymous enabled at all.
- Fails over to Name/Pass
- Fails over to Anonymous

### Notes Client

<table>
<thead>
<tr>
<th>SMTP Inbound</th>
<th>Client Certs:</th>
<th>Name/Pass:</th>
<th>Anonymous:</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/S</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>N/S</td>
<td>N</td>
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</tr>
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<tbody>
<tr>
<td>N/S</td>
<td>N/S</td>
<td>N/S</td>
<td>N/S</td>
</tr>
<tr>
<td>11</td>
<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
</tr>
</tbody>
</table>

### HTTP

- Pass

### NNTP

- Pass

### IMAP

- Fail

### SMTP Inbound

- N/S

### SMTP Outbound

- N/S

---

**Legend:**

- **Pass**: Works Properly
- **Fail**: Bug/Crash/Not working as expected. Include a link to any SPRs
- **N/S**: Not Supported in Domino Configuration

IMAP and POP3 can not have anonymous enabled at all.

Fails over to Name/Pass

SMTP Inbound does not support Client Certificates.
Macintosh - Unable to create new x509 certificate authority
There are no future plans to support this feature for the Macintosh because the feature will eventually be accessible only from the Administrator Client. There are no plans to support the Administrator Client on the Macintosh.

Running LDAP over SSL crashes MS Outlook Express
Due to a third-party software limitation, running LDAP over SSL may crash some old versions of Microsoft Outlook Express.

MIME - Body of message is blank on received encrypted message
The body of MIME-encrypted messages are occasionally blank upon receipt. This may occur because groups in the Directory Catalog are not expanded, so the editor does not create a MIME body part.

Workaround
Copy the group from the Domino Directory to your Personal Name and Address Book, so that names associated with the group are available.

SSL Session Resumption
SSL now performs session resumption. This will greatly improve performance when the Notes HTTP Client or server is using SSL, and may have a minor (positive) effect on other "Internet" protocols as well.

The default number of resumable sessions that will be cached on the server is 50. To modify the number of sessions cached, set the SSL_RESUMABLE_SESSIONS notes.ini variable to the desired number. Setting SSL_RESUMABLE_SESSIONS=1 will disable SSL session resumption on the server.

In Domino 6, the number of resumable sessions will not dynamically climb to match the server SSL load, and there is currently no means of configuring sessions to time out and expire.

Browser caching can interfere with revocation checking
When configuring a browser to check CRLs for server certificates, be aware that the browser’s caching of web pages can make it appear that a server whose certificate has been revoked can still be accessed securely. Flushing or disabling the browser’s cache will force the browser to contact the server and re-check its revocation status.

Can’t change password quality by using CA process
When recertifying an ID file using the Domino Administration Client (Configuration tab, Tools -> Certification -> Certify), you are given the option to change the password quality for the ID file being re-certified. This option does not work if you choose "Use the CA process".
To change password quality, always choose "Supply certifier ID and password" instead.
Administrator Client, Server

Internet Site documents require IP address only for SSL

When you create an Internet Site document on a Domino server for an Internet protocol, you specify a host or DNS name in the field "Host name or addresses mapped to this site." However, if you enter a host name (for example, testserver.acme.com) and enable SSL for that protocol, SSL does not work, and the server console returns the message:

HTTP Server: SSL handshake failure, no website found for IP address [9.95.79.250]

Workaround
Use the server IP address in the "Host name or address mapped to this site" field.

Server

"The requested item does not exist" error

You may see this error on your server console after using the CA process to add an Alternate Name to a user:

"Error processing certificate request: The requested item does not exist."

This error only occurs if you try to recertify or register a user immediately after you add an Alternate Name to your CA Process-enabled certifier, and before the certifier has automatically refreshed its context.

Workaround

1. At the server console, type
   
   tell adminp process all
   
   then
   
   tell ca refresh

2. If your CA Process-enabled Notes certifier has been locked with a user ID, you will need to unlock it using the following command:
   
   te ca unlock <X:\user.id> <password>
   
   Be sure to type the full path and file name of the ID file used to lock your CA and the ID's password when using the unlock command. Type the following to verify that it is active again:
   
   te ca status

3. Next, open the Administration Requests database and go to the Certification Authority Requests/Certificate Requests view. Locate and open the rejected request. The request will have been rejected with the following rejection reason:
   
   5935: unknown

4. Click Edit Request -> Approve Request. The certificate should be successfully issued.

Administrator Client, Server

Benign Internet Explorer error message

Error messages that look like this

handshake failure, IP address [9.99.99.999], Keyring [R6keyfile.kyr], [SSL Error: Network IO error], code [4165]

are produced in many benign circumstances, especially by Microsoft Internet Explorer. The most frequent circumstance is when IE drops an SSL connection and then resumes it. The error is generated even though there is no apparent interruption perceived by the client.
Creating a Certificate Authority db requires adding Role to ACL

When an Administrator user attempts to create a new Certificate Authority database using the cca50.ntf database, they will receive the following error message:

"You are not authorized to perform that operation: <servername database name>"

This occurs because the template for the Certificate Authority database, cca50.ntf, does not contain sufficient Access Control information to allow any user to create a Certificate Authority database. The templates ACL must first be edited by a User with Administrator privileges in order to permit this. Follow these steps to enable the cca50.ntf template for creating a Certificate Authority database:

1) Log into a client as a user with Administrator privileges on the server.
2) Select File -> Database -> Open to open a database.
3) In the Open database dialogue, select the cca50.ntf file on the server (you will have to type in the filename, since template are not listed).
4) In the opened template, select File -> Database -> Access Control.
5) In the ACL dialogue, select the user that you want to be able to create a Certificate Authority database.
6) In the Roles section, check the checkbox for "CAPrivilegedUser".
7) Click OK and exit the dialogue. Then exit the template.

The user for which the Role was selected in the template will now be able to create a Certificate Authority database.

LDAP SSL SASL bind ignores Allow and Deny Server Access lists

When using Access Server or Not Access Server lists (Server Document, Security Tab) in conjunction with ‘Enforce Server Access Settings’ set in the servers document (Ports -> Internet Ports -> Directory), Secure (SSL) LDAP SASL binds from the Notes Client with Internet Client Certificates will ignore such lists.

LDAP using SASL authentication doesn't fail-over to Anonymous


However, when the Notes Client uses SASL settings, the Notes Client tells the server that it would like to use Client Certificate authentication; when this is the case and no Internet Client Certificate is present in the notes.id file, the server is unable to authenticate the user, and will not allow them to search the directory anonymously either.

Misleading error message re: validating agent execution access

For Domino 6, server access as defined in the “Access server” lists on the Security tab of the Server document applies to the signer of server-based agents. This is a change from R5.
Missing key file name generates errors in SSL-enabled lookup

The key file for outbound SSL for LDAP directory assistance and SMTP outbound is configured in the Server document (Ports -> Internet ports). If the key file specified is missing, or cannot otherwise be opened, "SSL Error: Keyring File access error" messages will appear on the server console upon server startup and when directory assistance is being used.

If Internet Site documents are enabled for the server, the configuration for the key file value is hidden. A 'silent' error situation can occur if there is no value, or a value not ending in ".kyr", in the key ring file field on the Server document, and the server attempts to use Directory Assistance; SSL will run but the server cannot establish trust with the Directory Assistance server. You can create trust either by configuring the key file field, as described below, or by creating an Internet cross-certificate for the Directory Assistance server.

Workarounds
To configure the key ring file name if Internet Site documents are enabled, do the following:
1. Disable the server’s use of Internet Site documents by disabling the option "Load Internet configurations from Server\Internet Sites documents" on the Basics tab of the Server document.
2. On the Server document, click Ports -> Internet Ports and, in the SSL settings section, enter the SSL key file name.
3. Re-enable the Internet Site documents option.

If the keyfile name does not end in ".kyr", rename the keyring and stash (.sth) file names correctly and make sure that the correct file name appears in the SSL key file name field in the Server document.

Server NAMELookups to Remote Directories with Extended ACLs
NAMELookups to Remote Directories with Extended Access enabled may issue Warnings when the "remote Domino server" does not have extended access enabled, but the remote Domino Directory does.

When a Domino server tries to access a remote Domino Directory that has Extended Access enabled through Directory Assistance, the remote server must know about this Directory being accessed. In other words, this Directory indicated in Directory Assistance on the first server must either be the Primary Directory on the remote Domino server (typically names.nsf), or a Local Secondary Directory configured through Directory Assistance on that same remote server.

If you attempt to access the remote directory without the remote server knowing of the remote directory, the first attempt will produce the following message on the first Domino server.

WARNING: NAMELookups from this server to the remote Domino Directory is prohibited. Correct by creating a Directory Assistance document for it on remotesservername.

This additional security requirement applies only when there are remote Domino Directories with Extended ACLs enabled. Remote directories without Extended ACLs enabled need not be configured in their remote server's Directory Assistance.

Server issues
Network performance stats are disabled by default in NT
Network performance statistics are disabled by default in NT. To enable network performance statistics:
1. Select Control Panels->Network->Add.
2. Select Network Monitor Agent from the Network Service list and click OK to install.
3. Restart the system.

Network statistics will now be accessible through the Domino console, or through the Remote Administrator Panel using the command "show stat net".
Administrator Client, Server

**Error trying to make second database copy to server**

Trying to make a second copy of a database to a server will give an error: 'Attempting to backup a file already being backed up'.

Server

**When using Domino for IIS, program directory must be in the path**

When using Domino for IIS, if the Domino program directory is not on the path, all URLs that request an agent (eg., all URLs that specify ?OpenAgent) fail with an Error 500 response, with this text:

(for Java agents) JVM: Java Virtual Machine failed to start

The LotusScript agents will work if you put the Domino program directory in the path and reboot the machine.

Server

**AIX - Using the Intersolv/Merant libodbc.a driver manager**

The Intersolv (now Merant) Driver Pack version 3.02 for AIX contains an archived version of the driver manager libodbc.a, while LotusScript Data Object (LS:DO) requires an executable or shared object version of the driver manager. To check the type of your libodbc.a, enter the following command:

```
file libodbc.a
```

In case of an archive file, you need to extract the executable or shared object version of the driver manager odbc.so with the following:

```
ar -x libodbc.a
```

Save the archived version and rename odbc.so to the new libodbc.a with the following:

```
mv odbc.so libodbc.a
```

so that the driver manager is an executable or shared object file.

While later versions from this vendor include an odbc.so library, it is still necessary to rename it or create a link to it with the name libodbc.a.

Administrator Client, Server

**Compact -L does not work**

The Compact -L (Copy style: Allow access while compacting) server task incorrectly does not run on a database that you have opened or that is held open by the server (for example, names.nsf, log.nsf, statrep.nsf as well as any system databases). If you run compact -L on such a database, you receive the following error:

```
>09:41:49 AM Compacting dbname.nsf
>09:41:51 AM Error compacting dbname.nsf: Function to-be-defined
>09:41:51 AM Database compactor process shutdown
```

Compact -L is useful only for copy-style compacting. A sample command that specifies copy-style compacting is **Load compact mail1.nsf -c -L**.
Server

**Linux - Need to set "NOTES_USESNIS = 1" to use NIS**

There is a problem with NIS on Linux in that it is not threadsafe, and using it with Domino will most likely cause crashes and database corruption. However, we have a workaround for this issue which allows Domino to safely work with NIS.

If a Domino server is to be run on a machine using NIS, the user needs to set the variable NOTES_USESNIS to 1 in the notes.ini file within the data directory. When this flag is set, Domino calls the function “sethostent” to set the stayopen flag on all name lookups. By setting this flag, we are guaranteed that we only make open/close calls to /etc/hosts or the DNS/NIS servers once per process, and this allows us to workaround the NIS threadsafe bug by never doing multi-threaded open/close calls to these facilities.

Server

**Transaction logging: Unexpected internal error during startup**

The server panics if an unexpected internal error is returned to the logger during server startup. This is by design, because the server should not be allowed to restart with logging disabled. If this occurs, please check that the transaction logs are not read-only or hidden.

The following are the errors returned:

Unexpected internal error returned to logger: 0x20682010 (transaction logs are hidden)
Unexpected internal error returned to logger: 0x20692010 (transaction logs are read-only)

Administrator Client, Server

**DSAPI filename must be added to Internet Site documents**

When you use internet site documents, the DSAPI field on the Internet Protocols tab of the server document is disabled. The DSAPI filter information has to be added to the Configuration tab of each server's Internet Site web site document so that the filter can be loaded. See the Domino Administration on-line Help file for the appropriate DSAPI file name for each operating system.

Administrator Client, Server

**Error when clicking on doc link in ADMIN4.NSF**

Clicking on doc links in 'Approve Deletion of Moved Replica' documents in ADMIN4.NSF will report the error "The linked document cannot be found in the view". This issue will be fixed in a later release.

Server

**Linux - Domino Java Setup: cannot browse to directories**

If you are unable to click open a directory, simply type out the full path to the required file.

Administrator Client, Server

**Mail Server: All agents need to be signed by 'Unrestricted' user**

In the Mail Server - Message Reporting area, previously only the scheduled agents had to be signed by a user who had the ability to run Unrestricted agents (this is noted in the "Help - Using This Database" document). The document has now been updated to reflect the change that all agents in the database need to be signed by a user with the ability to run Unrestricted agents.

To do this, open the database in Designer, select the Agents, and click on the ‘Sign’ action button.
Client, Server

**Run Fixup to correct problem with unread marks and other areas**
Run the fixup task on the server to clear up problems in existing databases that can affect unread marks, view updates and other areas in those databases.

The recommended fixup options are `-J -V -Q`. You can exclude the `-V` and `-Q` options if you wish fixup to be more thorough (but slower), however this isn’t necessary to fix the problem referenced here.

See the documentation in the Administration Help for more information.

Administrator Client, Server

**Using multiple DSAPI filters on UNIX**
If you have multiple DSAPI (Domino Web Server API) filters on the same operating system, you must create a unique name for each function.

Server

**Windows NT - Java backend method causes crash; no single sign-on**
The local Java back-end method `lotus.domino.Session.getSessionToken(server)` causes a crash on Windows NT. This means that single sign-on operations from the Notes Client will not work.

Please avoid using this local Java back-end method in Domino 6.

Server

**Windows NT - "The service cannot be installed . . ." error**
When installing the Domino 6 server, you may encounter the following error:

![Error Message](image)

**Workaround**

- Use Add/Remove programs to do an uninstall
- Clean out the registry settings according to the following:

  HKEY_CLASSES_ROOT directory
  - delete the .ndl directory
  - delete the .ns2 directory
  - delete the .ns3 directory
  - delete the .nsf directory
  - delete the .nsg directory
  - delete the .nsh directory
  - delete the .ntf directory
  - delete the Notes.Link entries
  - delete the Notes.NotesSession entries
  - delete the Notes.NotesUIWorkspace entries

  HKEY_LOCAL_MACHINE\SOFTWARE\Lotus directory
  - delete the Domino directory
  - delete the Components directory
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall directory
- delete the Lotus Domino directory

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\AeDebug directory
- delete the Debugger c:\notes\qnc.exe.. (or path of last install) entry

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services
- delete the notestat directory

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\Utility
- delete the notestat directory

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\WindowsNT\CurrentVersion\Network\UMAddOns directory
- delete the whole UMAddOns directory

- Delete the program directory

NOTE: if you had intended to do an upgrade, and you deleted some or all of the program files, you MUST do a clean install, and then upgrade.

Server

**BTREE corruption due to a lack of disk space**
BTREE corruption could occur on a database due to lack of disk space. A BTREE will be marked corrupt if new space is needed for adding a new entry, and space is not available.

Administrators should conduct maintenance on the drive; follow-up action should be conducted on the database by running FIXUP, then COMPACT. If the database in question is IMAP-enabled, then the Convert utility should be run to disable (load convert mail\xxx.nsf -e-), and then again to re-enable (load convert mail\xxx.nsf -e) the file.

Server

**Compact of shared mail files causes deadlock with server**
Compacting Shared Mail (SCOS) databases while the server is running could result in deadlocks with mail delivery. This situation is recognized by doing a SHOW TASKS from the server console a few times. The compaction of one of the shared mail databases will show as running, but will not complete. And, the router delivery threads will be stuck delivering to the same set of mail files. The server must be killed forcefully and restarted. Remove whatever is causing the compaction to run on the shared mail files.

Server

**Linux - /bin/tar: Error is not recoverable: exiting now**
When installing Domino 6 you may see the following error which is caused by a gunzip command problem on Linux systems.

```
   cd /local/lotus/notes/60000/linux; /path/to/build | gunzip -c | /bin/tar xvf -
```

In most cases, rebooting the OS before attempting the installation again fixes the issue.

Administrator Client

**Message Tracking via WebAdmin appears to hang**
If attempting to track a message through WebAdmin, and it appears to either hang or come back without any results, check to make sure both you and the server are able to track messages on the current server or other domain server you may be attempting to track across.
**Server PANIC: Cannot attach to shared memory region**

This error may happen on servers with very high process local memory usage. An example would be the http server serving up large databases or if port compression is enabled. In Domino the private and shared memory must reside in a limed virtual address space, which is usually 4 gigabytes. This error happens when Domino runs out of virtual memory. In order to prevent this from happening there are 2 new notes.ini entries:

```
ConstrainedSHM=1
ConstrainedSHMSizeMB= size in mega-bytes
```

The `ConstrainedSHM=1` will restrict shared memory to a set of default sizes as follows:
- Windows and Mac platforms 2 giga-bytes
- AIX platforms 2.4 giga-bytes
- Solaris and Linux 3 giga-bytes

The `ConstrainedSHMSizeMB="size in mega-bytes"` will restrict memory to the size in mega-bytes specified.

The `PercentAvailSysResources` may also be used if partition servers are used. Please see the Domino Administrator 6 Help for information on setting `PercentAvailSysResources`.

All of these Notes.INI values interact as follows:

On AIX (a segmented memory platform):
```
In essence Domino takes the lower of "Mappable shared memory size Dynamic from maxdata", "ram on the system * (PercentAvailSysResources/100)", "Notes.ini ConstrainedSHMSizeMB" and "ConstrainedSHM". It should be noted that ConstrainedSHMSizeMB will round down on AIX only to a 256 mega-byte boundary. example if set to 650 the it will be set to 512.
```

On all other platforms:
```
In essence Domino takes the lower of "ram on the system * (PercentAvailSysResources/100)", "Notes.ini ConstrainedSHMSizeMB" and "ConstrainedSHM". Domino will size it's shared memory usage to live within the limits derived above.
```

**Server Setup - Tabbing is lost if a dialog is displayed and then closed**

When using Microsoft IME to fill in text fields during setup, it stops work correctly after a dialog box is opened and returned from. Typing in the text field yields system local characters.

IME can be switched back to the desired language after pressing the Back and then Next buttons, or after opening and closing the Help window and clicking on the text field.

**Server UNIX - Must set "ACTIVATE_SYMLINKS=1" to support symbolic links**

There is a problem with opening files that are symbolic links on UNIX in that a lock conflict or sharing violation can result with the file being linked to. Also, using symbolic links with Domino will most likely cause lock conflicts on database requests. There is, however, a workaround for this issue which allows Domino to safely work with symbolic links as long as Domino directory links are configured in a limited way.

*Caveat*: If a Domino data directory is to contain Domino directory links (dirlink files), the path specified in the dirlink file cannot be higher in the tree than the data directory itself. For example, a data directory located in `/data/lotus/notesdata` cannot contain a dirlink file with a path that specifies any directory above `/data/lotus/notesdata`. So a path that contained `/data/lotus/notesdata/mailfiles` would be acceptable, but a path such as `/data1/mailfiles` would not, since it resides higher in the tree. Such use of dirlinks with the activation of this variable will result in access violations.

If the rule regarding dirlinks is followed, and the use of symbolic links is desired, the user needs to set the variable `ACTIVATE_SYMLINKS=1` in the notes.ini file within the data directory. When this flag is set, Domino resolves all database open requests that specify a symbolic link to the file the link is referencing.
"Invalid Message Tracking Request" when tracking via WebAdmin

If attempting to track a message from the 'Sender's home server' option through WebAdmin, you may receive the following message:

"Invalid Message Tracking Request"

Simply track the message from the 'Current server' option or switch to the sender's home server and track the message from there.

"|" separators in Webadmin

On some systems, it has occasionally been observed that some tools in the Domino Web Administrator display with "|" separators. Typically this is either due to screen resolution or the browser's font size.

Switching to small fonts in either the OS, the browser, or both usually clears up the display issue.

Administrator client on remote console -- output data incomplete

There are two situations in which data can be lost when you attempt to view output data using the Administrator client from the Domino server remote live console. The displayed data appears incomplete because a portion of the data is lost. Data can be lost in the following situations:

- The console output is buffered in a ring buffer as it is generated. When the remote live console background thread fetches data, it may not fetch the data quickly enough. The ring buffer then loses data.
- When the remote live console background thread fetches data, it posts the data to a network asynchronous write -- itself a ring queue. If the asynchronous write queue entry is overwritten, data is lost.

The following two statistics record the causes of data loss.

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>server.RemoteConsole.AsyncQueueOverrun</td>
<td>Number of times that the asynchronous queue request was lost.</td>
</tr>
<tr>
<td>server.RemoteConsole.BufferOverrun</td>
<td>Number of times that data was lost because more console output was generated than was sent over the wire.</td>
</tr>
</tbody>
</table>

Adminp errors when creating ISpy's Mail-In Database document

On a new server or one that has never run the ISpy task before, an error of the following form may be seen:

Admin Process: Received the following error performing a Create Mail-In Database request on ISpy on <SERVER> (File name: names.nsf). Multiple matches for the name ISpy on <SERVER> were found in the Domino Directory referenced by this server.

In most cases, this message can be safely ignored for the following reasons. When the ISpy task first runs on a server it looks for its Mail-In database document. If it doesn’t find one, it creates an Adminp request to create one. This request will replicate up to the administration server for the domain and the NAB will be updated there. Then the new document will replicate down to the NAB on the server where ISpy is located. ISpy will see it, create its mail file, and then start any mail probes.

While the request and NAB change is replicating around, ISpy periodically wakes up and goes through the same logic that it did when it started. By when it sees that an adminp request has been created in its local admin4.nsf and that it has not been processed, ISpy will take no further action. But what can happen sometimes is that the processed adminp request result replicates down to ISpy's server before the NAB update has occurred. At this point, ISpy will think that it has no Mail-In document AND no request to create one so it will create another one. When this new request replicates to the administration server, you will see the error listed above. No new ISpy document is created. When the NAB change does come down, ISpy will see it and start probing mail just fine.
Deleted server not removed from Health Monitoring view

When a Domino server is deleted from the domain using the Configuration - All Server Documents view - Delete Server action, all references to the server are removed from the views in the Domino Administrator Client, with one exception: Configuration - Health Monitoring - Server Components view.

The deleted server remains listed in this view under the category: "The Domain of the following servers has not yet been determined but will be determined". In addition, if you manually delete the server document in this view, it will return.

To permanently remove the deleted server from the Configuration - Health Monitoring - Server Components view, perform the following steps:

1. From the Domino Administrator, open the Server - Monitoring view.
2. Select Administration - Refresh Server List menu item. Refresh the list for the domain from which the server was deleted. The deleted server no longer appears in this view.
3. From the same view, click Stop to disable the Domino Administrator Server Monitor.
4. From the Configuration - Health Monitoring - Server Components view, delete the Server Component document for the deleted server.
5. From the Files tab in the Domino Administrator, open the Health Monitoring database (DOMMON.NSF). Delete the current health report document for the deleted server as well as any Response documents for that health report document.
6. (Optional) Delete the historical health reports for the deleted server as well as any associated Response documents.
7. Open the Server - Monitoring view and click Start to enable the Domino Administrator Server Monitor, or, exit and then re-launch the Domino Administrator.

Domino Java Console - Make LocalDomainAdmins group Multi-Purpose

Set the LocalDomainAdmins group to a Multi-purpose group when using the Domino Java Console and connecting to the Domino server. If you set the LocalDomainAdmins group to a group type other than Multi-purpose, this error appears:
"<user name> is not an administrator for server <server name>."

Open the file ADMINDATA.XML file that is created in the Domino/data directory. No administrators are listed between the XML tags <admins></admins>. Change the Group Type for the group LocalDomainAdmins as follows:

Changing the Group Type
1. From the Domino Administrator, click People & Groups.
2. Click Groups and select LocalDomainAdmins.
3. Click Edit Group.
4. On the Basics tab, choose Multi-purpose as the Group Type.
5. Click Save and Close.
6. Restart the Domino server and the Java controller.
7. In the Domino/data directory, open the file ADMINDATA.XML. The administrators names now appear between the XML tags <admins></admins>.

Notes.ini variable for tuning Availability Index calculation

The Availability Index is used to drive automatic failover under heavy loads. It is computed by examining the difference between the elapsed time to perform transactions on an idle system and the elapsed time to perform them on a loaded system. As machines have gotten faster, the elapsed time to perform transactions on an idle system has gotten much smaller, making the difference between the two values much larger.

The calculation for the Availability Index code in Domino 6.0 has been updated to fix bugs, and allows the administrator to adjust the calculation to match the CPU speed and number of CPUs on each server. The Notes.ini variable SERVER_TRANSINFO_RANGE is used to adjust the AI calculation to match the speed of your server.
To adjust the Availability Index calculation for your server

1. Monitor your system during a period of heavy usage and note the values of Expansion Factor. Use the console command "show stat server.expansionfactor".
2. Select a value for SERVER_TRANSINFO_RANGE such that 2 raised to the power SERVER_TRANSINFO_RANGE is a reasonable upper bound for expansion factor values. For example if SERVER_TRANSINFO_RANGE=6 (the default) then we expect that the expansion factor values will not rise about 64.
3. Set the value of SERVER_TRANSINFO_RANGE that you have determined to be the best for your server.
4. Monitor your system during periods of heavy usage to note what value of Availability Index you want to set for your threshold. Select a value which matches the drop in response time at which you want failover to occur.

Note: These adjustments are necessary only if you do load balancing with Availability Index, or if you use the ICM.

Also note that Availability Index values are only a tool to make load balancing work. They are an estimate of system load. Values reported by Domino R5 and Domino 6, and Domino 6 with this fix are all different. Do not use the AI values to compare performance among Domino releases.

Select 'Don't ask me again' to prevent prompt on server restart

To prevent being prompted for what context to start your Domino Server, make your choice and then select the Don’t ask me again option. Otherwise when restarting the server remotely or automatically through Fault Recovery, the server will not come up until a choice is made for the dialog below.

Server crash on Windows NT and Windows 2000

When the collection of statistics takes too long and the registry entries PerfProc, PerfNet, PerfDisk, and PerfOS, are set, a server crash may occur on a Windows NT server or a Windows 2000 server. Prevent the crash by adding the NOTES.INI variable Platform_Statistics_Disabled=1 which disables the collection of platform statistics, and then restart the server.

You may also refer to the related topic "System configuration issue for platform statistics on Windows NT and Windows 2000 systems" in the "Troubleshooting" chapter of the Administering the Domino System printed documentation, or the corresponding online documentation.

Tivoli - Multiple servers do not show in Activity Trends lists

When running the Tivoli Activity Trends Resource Balancing software, Domino server names are not visible in the "Activity Trends - Latest" and "Activity Trends - Historical" server list, when you add more than one server.
Web Server: Some rich text items can be lost if edited
The following items may be lost or corrupted if they are in a rich text field which is edited with a web browser using Domino Web Server:

- embedded images -- may be visible when editing, but will be lost when the document is saved;
- tab tables - only the visible row will be saved;
- "hide when" paragraphs which are hidden from the web -- the entire paragraph will be lost when the document is saved.

Avoid using these items in a rich text field if that field is to be edited with a web browser.

Variant does not contain a container error message
If you receive the error message "Variant does not contain a container" when switching to the Server\Analysis Panel in the Domino Web Administrator, edit the server's configuration document and add a value to the Mail-in Database for diagnostic reports field on the Diagnostics tab.

Webmail issues

Import from directories is not working in Webmail
In some cases, importing names from a directory into Webmail does not work properly. The issue is that the import is not completing in a timely manner; note that changing the timeout settings in the template design can elevate this issue.

Private Folders not visible using Webmail
If you have created Private folders on your client and then you use a web browser to see your mail file, you will not see your private folders. When using webmail, we cannot check to see if your ID is valid and you will not have access to these folders. If you created Shared folders on your client, and when you view your mail via a web browser and don't see these folders, this has been known to be a cache problem with the browser. Clear the cache and they should display.

XML issues

DXL exporter/importer do not yet handle some design-element data
The following disclaimer has been added to the header comment of domino_6_0.dtd:

NOTE:
Some miscellaneous types of data that can appear only in design-element notes of a Domino database are not yet handled by the current versions of the DXL exporter and importer programs (for example, custom datetime information in view notes). If a specific type of Domino data is defined in this DTD, then the DXL exporter and importer programs can handle it and, conversely, if a specific type of Domino data is not defined in this DTD, then those programs cannot handle it yet.
As the DTD disclaimer indicates, we use the DTD as the definition of the data that we know the DXL exporter and importer programs have been coded and tested to handle. As a general rule, this covers data that can be in documents and RS design elements. Many new design-element features first introduced in Notes/Domino 6 are also handled. However, some new Notes/Domino 6 design-element properties have been omitted for the first release. Our testing team entered an SPR for each missing property that they found, and this is a list of known omissions, along with a few other export/import issues, as of the time this release note was written:

<table>
<thead>
<tr>
<th>SPR Number</th>
<th>Brief Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMOY4MYNUH</td>
<td>dxl, Form Properties, Header Tab properties not set in export.</td>
</tr>
<tr>
<td>BMOY4MZHG4</td>
<td>dxl, Form Properties, Printing tab properties are not set in export.</td>
</tr>
<tr>
<td>BMOY4MZJ6T</td>
<td>dxl, Form Properties, Security Tab - some properties not set in export/import.</td>
</tr>
<tr>
<td>BMO4N5BK3B</td>
<td>dxl, Auto Launch Page Properties not exported.</td>
</tr>
<tr>
<td>BMOY4NBK4U</td>
<td>dxlexport does not export all Page Background Properties</td>
</tr>
<tr>
<td>BMOY4NKRKLX</td>
<td>dxl - Form layers not exported.</td>
</tr>
<tr>
<td>BMOY4PRHQ5</td>
<td>dxl does not export all Advanced tab field properties</td>
</tr>
<tr>
<td>BMOY4PJMUY</td>
<td>dxlexport does not export Number Field-&gt;Number Formats</td>
</tr>
<tr>
<td>DANO56NW3C</td>
<td>Design: DXL import of db with multiple helpusing notes results in only one.</td>
</tr>
<tr>
<td>ECLD58VRQ3</td>
<td>Domino DTD: Attribute needed for Form UI “Include in Print” checkbox</td>
</tr>
<tr>
<td>ECLD58VRQ3</td>
<td>Domino DTD: Attribute needed for Form UI “Do not add field names to field index” checkbox</td>
</tr>
<tr>
<td>ECLD58VSMV</td>
<td>Domino DTD: Attribute needed for Form UI “Render pass through HTML in Notes” checkbox</td>
</tr>
<tr>
<td>EJGG53E97B</td>
<td>Design: DXL import: Javascript of field event is not imported</td>
</tr>
<tr>
<td>MBEN4TKNSP</td>
<td>Custom settings for datetimeformat are not implemented.</td>
</tr>
<tr>
<td>MBEN4TPJ6T</td>
<td>View\column element: need an attribute for ‘use value as color’.</td>
</tr>
<tr>
<td>MBEN4TPKFQ</td>
<td>View\column element: twistie image not implemented.</td>
</tr>
<tr>
<td>MBEN4XLMFJ</td>
<td>Unsupported by exporter: &lt;x.cdrecord signature='97'&gt; (SIG_CD_FILEHEADER)</td>
</tr>
<tr>
<td>MBEN4ZJUNW</td>
<td>$ViewInheritedFrom and $Index items imported with data type 'TextList' as opposed to data type 'Text'</td>
</tr>
<tr>
<td>MBEN4ZJR7V</td>
<td>Link colors exported in dxl even though default values.</td>
</tr>
<tr>
<td>MBEN4ZJR7V</td>
<td>View ‘uniquekeys’ attribute exported, even though has default value specified in the dtd.</td>
</tr>
<tr>
<td>MBEN4ZJR7V</td>
<td>DXL export: calendar type of date/time column does not export</td>
</tr>
<tr>
<td>MBEN4ZJR7V</td>
<td>DXL export: Design Note - currency symbol properties of number column are not exported</td>
</tr>
<tr>
<td>MBEN4ZJR7V</td>
<td>Calendar view exported as generic &lt;note&gt;</td>
</tr>
</tbody>
</table>

**Server**

**DXL importer ignores some notes when replacing design elements**

When a NotesDXLImporter's DesignImportOption property is set to DXLIMPORTOPTION_REPLACE_ELSE_CREATE, the importer can appear to ignore some of the input design elements. This problem is due to limitations in the matching rules used to determine whether or not a design element in the input DXL matches a design element already in the target database. The current rules are as follows:

A match occurs for an input design element from the DXL if the database has a design element of the same type and either a) the UNIDs of the two design elements match or b) any of the names or aliases of the two notes match and, if a language is specified for either note, then both notes must specify a language and the language must be the same for both notes.

The problem is that these matching rules do not go far enough to distinguish two truly different notes. For example, two forms with different UNIDs but having a common name or alias and no language specification would be considered a match even though they may be further distinguished by different hide-when attributes. If two such design elements are both in the input DXL, and if neither one exists in the target database before starting the import operation, then the first would be created as a new design element, and the second would replace the first because they appear to match.
Chapter 4 - Documentation updates

Notes Client Help

"Local free time info" Replicator page entry shown with old icon
"Local free time info" entry on Replicator page is shown with old icon

In pictures in several topics in Lotus 6 Client Help, the "Local free time info" entry on the Replicator page is shown with a book icon.

The actual icon looks like this:

The topics that show pictures of this icon are:

- Under "Getting Started" in the Contents: "Replicator page: staying current with servers"
- Under "Getting Connected" in the Contents: "Managing replication using the Replicator page"
- Under "Getting Connected" in the Contents: "Refining the sequence of replication on the Replicator page"

Delivery Information dialog box

The topic "Delivery Information dialog box" includes the following Tip:

If you received a message from over the Internet, you can see the HTML page source for the message by opening the message and choosing View - Show - Page Source.

This Tip now reads:

If you received a message from over the Internet, you can see the HTML page source for the message (including the SMTP header information) by opening the message and choosing View - Show - Page Source.

Displaying larger type in Notes

For users who need to increase the type size that Notes displays, it is better to do this using the Windows display settings rather than the NOTES.INI setting (display_font_adjustment) that was frequently used in R5. While the NOTES.INI setting still works, unpredictable behaviors often occur in Release 6, particularly if the value assigned is 4 or higher.

For Windows 2000 users: To change your type size for Notes (and all other programs) in the Windows Control Panel's Display Settings, click Advanced and select "Large size" in the "DPI setting" list. Restart the computer.

For Windows XP users: To change your type size for Notes (and all other programs) in the Control Panel's Display Settings, click Advanced.

Caution: In Windows XP, selecting "Large size" in the "DPI setting" list will NOT have the desired effects in Notes. You must select "Custom setting" and then select the percentage to scale to. Restart the computer.
**Displaying replication settings for a database**

The topic “To display replication settings for a database” should read as follows:

Notes lets you see at a glance the replication settings for a database.

1. Open a database.
2. Choose File → Database → Properties.
3. Click the Basics tab, and then click “Replication Settings.”

**Note** You can display a database’s replication history by clicking “Replication History” in Database Properties. To copy the entire replication history to the Clipboard, click Copy.

Also in this topic, there is a reference to a ‘Zoom’ button, as follows:

To display more information about a history entry, select it and click Zoom. To copy the entire replication history to the Clipboard, click Copy.

In the “Replication History” window there is, in fact, no radio button called ‘Zoom’.

**Documentation correction - Saving and reusing a search query**

The Notes Client help topic “Saving and reusing a search query” contains erroneous information. It states that you need Designer access to save searches for later re-use. This is wrong. You only need Designer access if you want to save shared searches that all users can access.

To save private searches for later use, you need Reader access to the database, and the ACL option “Create personal agents” needs to be enabled.

**Documentation update - Restricting access to local databases**

There is a correction to the topic “Restricting access to local databases” in the Notes client documentation. The User Security setting for local encryption applies only to new local replicas of databases, not new databases themselves. The corrected portion of the topic follows:

**Restricting access to local databases**

If you create a local replica of a database on your hard drive, you can encrypt it so the replica can be viewed only by you. It is a good idea to encrypt local database replicas if they are stored in a portable computer or if you share your computer with other users.

When you provide local security for a database replica to which you have Manager access, Notes encrypts the replica using your public key from your User ID. You are the only one who can then decrypt the database because you have the corresponding private key in your User ID. Nobody else’s User ID can open the database.

**Note** If you use a disk compression utility, databases using medium or strong encryption will not use significantly less disk space.

**To encrypt new local database replicas as they are created**

You can set Notes to automatically encrypt new local database replicas when you create them.


2. Click Notes Data - Databases.

3. Select "Locally encrypt using..." and then one of the following options:
   - Simple encryption provides protection against casual snooping.
   - Medium encryption provides the right balance among security, strength, and fast database access. This level is probably the right choice for most users.
   - Choose strong encryption when security requirements are paramount and the resulting database access performance is acceptable.

   Tip: To turn off encryption for new local replicas, select "Do not locally encrypt."

   Note: The User Security setting applies only to new replicas, not new databases. Archives are considered to be new databases, not replicas, so they will not be encrypted automatically by using this encryption setting. However, if the original database from which the archive is created is encrypted, the archive should also be encrypted.

Client

Editing file attachments
The following section of the topic “Opening, saving, or deleting attachments” now reads:

To edit file attachments
When you choose to edit an attachment, Notes opens the file in the application the attachment was created with.

1. Select the file attachment by clicking it.

2. Choose Attachment - Edit.

3. Edit the file, then save it in the application you used to edit the attachment.

4. Close the Notes document, and click "Yes" to save it.

   Note: Notes replaces the old attachment with the updated attachment when the Notes document is saved. You do not have to delete the old attachment from the document and attach the newly edited attachment.

Client

File types supported for importing and exporting
Notes supports a variety of files for importing and exporting. However, not all types of files are available for import and export on all platforms.

<table>
<thead>
<tr>
<th>Spreadsheet file</th>
<th>Import into rich-text field or view</th>
<th>Export from document or view</th>
<th>File extension</th>
<th>Releases supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lotus 1-2-3</td>
<td>Both</td>
<td>View</td>
<td>.WK*</td>
<td>R96, R97, R9</td>
</tr>
<tr>
<td>Microsoft Excel</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.XLS</td>
<td>95, 97, 2000, 2002</td>
</tr>
<tr>
<td>Graphics file</td>
<td>Import into field or view</td>
<td>Export from document or view</td>
<td>File extension</td>
<td>File description</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>---------------------------</td>
<td>-----------------------------</td>
<td>----------------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>PCX (Paintbrush)</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.PCX</td>
<td>Raster graphic</td>
</tr>
<tr>
<td>PIC (Lotus)</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.PIC</td>
<td>Picture created in Lotus 1-2-3</td>
</tr>
<tr>
<td>CGM (Computer Graphics Metafile)</td>
<td>Rich-text field</td>
<td>Document</td>
<td>.CGM</td>
<td>Picture created in software supporting ANSI Metafile®</td>
</tr>
<tr>
<td>TIFF (Tag Information File Format)</td>
<td>Rich-text field</td>
<td>Document</td>
<td>.TIF</td>
<td>Bitmapped image scanned into software supporting TIFF</td>
</tr>
<tr>
<td>BMP (Bitmap)</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.BMP</td>
<td>Bitmapped image</td>
</tr>
<tr>
<td>GIF</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.GIF</td>
<td>Graphics Interchange Format image</td>
</tr>
<tr>
<td>JPEG</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.JPG</td>
<td>Joint Photographics Experts Group image</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Word processing file</th>
<th>Import into field or view</th>
<th>Export from document or view</th>
<th>File extension</th>
<th>Releases supported, and comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lotus Word Pro®</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.LWP</td>
<td>R97, R9</td>
</tr>
<tr>
<td>Microsoft Rich Text Format (RTF)</td>
<td>Rich-text field</td>
<td>Document</td>
<td>.RTF</td>
<td>Applications that support .RTF, like Word</td>
</tr>
<tr>
<td>Microsoft Word</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.DOC</td>
<td>97, 2000, 2002</td>
</tr>
<tr>
<td>WordPerfect®</td>
<td>Rich-text field</td>
<td>Not supported</td>
<td>.DOC, .WPD, .WPT</td>
<td>5.x, 6.x, 7.x, 8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Text file</th>
<th>Import into field or view</th>
<th>Export from document or view</th>
<th>File extension</th>
<th>File description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASCII text</td>
<td>Rich-text field</td>
<td>Document</td>
<td>Any</td>
<td>Unformatted text</td>
</tr>
<tr>
<td>Tabular ASCII text</td>
<td>View</td>
<td>View</td>
<td>Any</td>
<td>ASCII text arranged in rows and columns; limit of 1,536 characters per record, total</td>
</tr>
<tr>
<td>Structured ASCII text</td>
<td>View</td>
<td>View</td>
<td>Any (except .TAB, .TXT, .PRN, .RPT)</td>
<td>ASCII text arranged as fields and field values; limit of 256 bytes per simple text field</td>
</tr>
<tr>
<td>Comma Separated Value</td>
<td>Not supported</td>
<td>View</td>
<td>.CSV</td>
<td></td>
</tr>
</tbody>
</table>
**HTML file** | **Import into field or view** | **Export from document or view** | **File extension** | **File description**
--- | --- | --- | --- | ---
**HTML** | Rich-text field | Not supported | .HTM, .HTML | All HTML versions. Images contained in HTML files are not imported if they are local, for example, C:\LOTUS\NOTES\GRAPHIC.GIF. A red box displays as a placeholder.

---

**Client**

**How local database encryption works**

The Help topic “Restricting access to local databases” states that you can set Notes to automatically encrypt new databases when you create them. However, the User Security encryption setting only applies to new replicas, not to new databases.

For example, when creating a local archive of your mail database, the archive is considered to be a new database, not a new replica, therefore the archive will not be encrypted based on the User Security encryption setting. Instead, the archive will, or will not, be encrypted based on the original database from which the archive is created. In this example, if the mail database is encrypted, the archive will also be encrypted; if the mail database is not encrypted, the archive will not be encrypted.

For the example above, the following chart outlines the relationship between the mail database encryption, the User Security setting, and the resulting archive database encryption:

<table>
<thead>
<tr>
<th>Mail database location</th>
<th>Mail database encrypted (Yes/No)</th>
<th>User Security Setting (Locally encrypt: Yes Do not locally encrypt: No)</th>
<th>Newly created local archive Encrypted? (Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>On server/Local</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>On server</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>On server</td>
<td>Yes, using server id</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>On server</td>
<td>Yes, using server id</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Local</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Local</td>
<td>Yes, using user id</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Local</td>
<td>Yes, using user id</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Administrator Client, Client, Server**

**Importing Certificates from Smartcards**

Domino/Notes 6.0.2 now supports the ability to import Internet keys stored on Smartcards by entities other than Notes. Since the private key, by definition, can never be extracted from the hardware device, the import mechanism consists of copying the X.509 certificate from the token, extracting the public key from the certificate, generating a “pointer” to the private key on the Smartcard, and then storing those three objects in the ID file so they can be found by, and used with, Notes.

In Notes/Domino 6.0, users could “push” one or more of the private keys associated with Internet certificates in their ID file onto a PKCS #11-compliant Smartcard or token, and then use the hardware-based cryptographic support in that token to sign and decrypt S/MIME mail and to perform SSL client certificate authentication to Web sites. This provided a much greater level of security than storing the private key in the ID file, as an intruder would then need to acquire a copy of the user’s ID file, physically steal the Smartcard or token, and learn the token’s PIN in order to use that key. Additionally, the loss of the token would prevent the actual user from logging into Notes and be brought to the immediate notice of an administrator, who could then take preventive measures to protect the system against the intruder. However, users and administrators were unable to import keys and certificates that were pre-loaded onto a Smartcard by entities other than Notes itself.
A new function call has been added to the Lotus C API Toolkit for Notes/Domino 6.0.2 to support this feature.

**To import Internet certificates from a Smartcard**
To support this feature, there is a new option in the User Security dialog.

**Note:** This option is only available to users who have a Smartcard reader installed on their PCs and whose Notes IDs have been Smartcard-enabled. Otherwise, it is not available for selection.

2. Click Your Identity > Your Certificates.
3. Click "Get Certificates." A drop-down list appears, listing different ways of importing certificates into the ID file.
4. Select "Import Internet Certificate from a Smartcard." This imports all available certificates from the current Smartcard.

**Increasing database performance and functionality**
The following is an addition to the topic "Increasing database performance and functionality":

**Replicate unread marks**
It is advisable to replicate unread marks in mail databases. However, replicating unread marks in very busy, multi-user databases might use enough processing power to have an effect on performance. Therefore, you should consider how important it is to replicate unread marks in these databases.

The graphic in the topic has been replaced with the following:

```
<table>
<thead>
<tr>
<th>Database Options</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Unread Mark Options</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Don't maintain unread marks</td>
<td></td>
</tr>
<tr>
<td>Replicate unread marks:</td>
<td></td>
</tr>
<tr>
<td>Never</td>
<td>Clustered servers only</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Options</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Optimize document table map</td>
<td></td>
</tr>
<tr>
<td>Don't overwrite free space</td>
<td></td>
</tr>
<tr>
<td>Maintain LastAccessed property</td>
<td></td>
</tr>
<tr>
<td>Disable transaction logging</td>
<td></td>
</tr>
<tr>
<td>Don't support specialized response hierarchy</td>
<td></td>
</tr>
<tr>
<td>Use LZ1 compression for attachments</td>
<td></td>
</tr>
<tr>
<td>Don't allow headline monitoring</td>
<td></td>
</tr>
<tr>
<td>Allow more fields in database</td>
<td></td>
</tr>
<tr>
<td>Allow soft deletions</td>
<td></td>
</tr>
<tr>
<td>Soft delete expire time in hours</td>
<td>48</td>
</tr>
<tr>
<td>Limit entries in $UpdatedBy fields</td>
<td>0</td>
</tr>
<tr>
<td>Limit entries in $Revisions fields</td>
<td>0</td>
</tr>
</tbody>
</table>
```

**Instant messaging: setting when to change Active status to Away**
The preference for logging off Notes after "x" minutes of inactivity also changes your instant messaging status from Active to Away. To set this preference, choose Preferences - User Preferences - Basics, and select "Logout (and lock Notes display) if you haven't used Notes for "x" minutes," and click OK.
Administrator Client, Client

**Maximum number of documents allowed in view - correction**

In the Help topic "Limits of Notes", there is a correction to the maximum number of documents allowed for a view index, as shown below:

<table>
<thead>
<tr>
<th>Current topic</th>
<th>Corrected topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>How many documents are allowed in one view? Maximum of 130MB for a view index</td>
<td>How many documents are allowed in one view? Up to the size of the database, with a maximum of 64GB</td>
</tr>
</tbody>
</table>

Client

**New preference for Interface Language**

The topic "International Preferences" needs to include the following link text under the General heading: "Specify an interface language."

If a Domino database supports multilingual databases, you can use this option to choose which supported language will display in the Notes user interface.

Client

**Object Properties -- Associated Files tab**

When you click the Associated Files tab in Object Properties, no Help is provided. Help for that tab follows.

The Associated Files tab shows the names of files needed by the OLE object in this document. These files are kept as $FILE objects (attachments) in the document structure, since the recipient of the document might not have the files. The files are deleted when the OLE object is deleted.

Client

**Opening mail that contains OLE objects**

When opening mail that contains an OLE object, you may see messages for which no Help is provided. The Help for each message follows.

This document contains links to external objects. Refresh the links now?

**What happened?**

The document you are opening contains a linked OLE object in a rich-text field. A linked object is a direct "gateway" to the data in the source application, so you can see any changes made in the source application when you open the link in Notes.

**What you can do**

Click Yes if you want the linked object to display the latest data from the source application.

Click No if you don’t need to see the latest data from the source application.
This document is read-only. If you make any changes in the OLE object, they cannot be saved because the document is read-only.

What happened?
You tried to open an OLE object when the document that contains the object is in read-only mode, with the result that you do not have the rights to edit the data in the OLE object. For documents in Edit mode, you can use the object's application to enter data in Notes. For example, if you have 1-2-3, you could create a blank 1-2-3 spreadsheet object and enter 1-2-3 spreadsheet data in a Notes document.

What you can do
- Click OK to view the OLE object in read-only mode. You will not be able to save any changes you make while in this mode.
- Click Cancel to continue to display the OLE object.
- To make changes to the OLE object, you must put the document into edit mode. Click Cancel, choose Actions - Edit, and then open the OLE object again.

Client
**Out-of-office message works on weekends**
In the topic "Setting up out-of-office mail message," one paragraph reads as follows:

"By default, the out-of-office message does not reply to mail received on weekends. However, your administrator, if he or she has the proper access, may be willing to change the server agent's schedule so that the message works on weekends."

This was true in Release 5, but the default in Release 6 is that the message does reply to mail received on weekends.

Client
**Return receipts in mail**
In the topic "Specifying delivery options for mail" the following section should read:

**To confirm that a message is opened (return receipt)**
If a recipient's mail client supports this feature, you can have Notes notify you when the recipient reads a message you sent.

Currently, the section states that deleting or printing a message will also trigger a notification -- this is not the case.

Client
**Roaming user clarifications**
The following section of the Help topic "Setting up as a roaming user" has been revised to clarify the messages you see at various points in the process, as well as the case in which multiple users on one computer want to roam.

**Becoming a roaming user after using more than one release of Notes**
To become a roaming user, ask your Domino administrator to grant you roaming user privileges.

**Caution** Before you ask for the privileges, make sure that your full name (for example, Jane Q Public/Acme/Sales if your organization uses full names) is specified as Manager in the access control list of your Personal Address Book, Bookmarks, and Personal Journal databases. These databases must also have the default file names of names.nsf, bookmark.nsf, and journal.nsf (if you want your Personal Journal to roam). If you don't want your Personal Journal to roam, see Keeping your Personal Journal local.

If you already use Notes on more than one computer, you probably have your most current bookmarks, contacts, and other personal settings on one computer you consider your main working machine. After your administrator grants you roaming privileges, follow the steps below:

1. Start Notes on your main computer and connect to your home server by opening a database on it, for example, your mail.

**Note** If more than one person will be a roaming user on a computer, the multi-user version of Notes needs to be installed on that computer.
2. You'll see a message asking whether you want to start replication of the information on this computer in order to make you a roaming user. Click Yes. You'll see a message telling you that you will be notified as soon as this process is complete. The next message tells you that you are now a roaming user.

3. Start the next computer you use.

4. (Optional) If there are contacts, bookmarks, or other information you need in the names.nsf, bookmark.nsf, or journal.nsf files on this computer, use your operating system to make a backup copy of the file(s). Later, you can rename, add, and open the backup file(s) and copy and paste the information into your databases. If necessary, ask your administrator for assistance with locating the files in your operating system.

5. Start Notes and connect to your home server. You'll see a message asking whether you want to upgrade this computer for roaming user. Click Yes.

6. Restart Notes. Your working data is now replicated from the roaming server to this computer.

Client

Roaming user setup for upgraders

The following information, from the topic “Setting up as a roaming user” has been updated to clarify the procedure for becoming a roaming user after using more than one release of Notes:

To become a roaming user, ask your Domino administrator to grant you roaming user privileges.

Caution Before you ask for the privileges, make sure that your full name (for example, Jane Q Public/Acme/Sales if your organization uses full names) is specified as Manager in the access control list of your Personal Address Book, Bookmarks, and Personal Journal databases. These databases must also have the default file names of names.nsf, bookmark.nsf, and journal.nsf (if you want your Personal Journal to roam). If you don't want your Personal Journal to roam, see the topic “Keeping your Personal Journal local.”

If you already use Notes on more than one computer, you probably have your most current bookmarks, contacts, and other personal settings on one computer you consider your main working machine. After your administrator grants you roaming privileges, follow the steps below:

1. Start Notes on your main computer and connect to your home server by opening a database on it, for example, your mail.

   Note If more than one person will be a roaming user on a computer, the multi-user version of Notes needs to be installed on that computer.

2. You'll see a message asking whether you want to start replication of the information on this computer in order to make you a roaming user. Click Yes. You'll see a message telling you that you will be notified as soon as this process is complete. The next message tells you that you are now a roaming user.

3. Start the next computer you use.

4. (Optional) If there are contacts, bookmarks, or other information you need in the names.nsf, bookmark.nsf, or journal.nsf files on this computer, use your operating system to make a backup copy of the file(s). Later, you can rename, add, and open the backup file(s) and copy and paste the information into your databases. If necessary, ask your administrator for assistance with locating the files in your operating system.

5. Start Notes and connect to your home server. You'll see a message asking whether you want to upgrade this computer for roaming user. Click Yes.

   Note The existing Personal Address Book, Bookmarks database, and Personal Journal database files become backup copies with the extension .000, and the .nsf versions of these files are replaced with the new roaming replicas. You see a message that Notes will exit.

6. Restart Notes. Your working data is now replicated from the roaming server to this computer.
Client

**Sametime Connect not required for scheduling online meetings**

The topic "Working with instant messaging" states the following:

"You might still want to install an instant messaging client (version 3.0 or later) on your system if you want to use your Notes Calendar to schedule online meetings or use other IBM Lotus collaboration capabilities, such as moderating or attending application-sharing meetings and scheduled meetings. After you install the instant messaging client and restart Notes, you can start the instant messaging client by clicking the Lotus instant messaging icon on the Bookmark bar."

The statement is true regarding moderating or attending application sharing meetings, but you do not need to install the Sametime Connect client to use the Notes Calendar to schedule those meetings.

Client

**Selecting addresses from an address book**

In the topic "Selecting addresses from an address book," under "To customize your selection," the instructions for scrolling closer to a name in the selected address book have some errors. These instructions should read as follows:

In the "Find names starting with" field, enter the first few letters of the name of the person or group you're looking for, and click OK. By default names are sorted by last name. You can scroll the list to see whether this default has been modified to display first names first.

**Note** If you select your Personal Address Book as the address book to search, the way the Select Addresses dialog sorts names is not tied to the sort order you select in your Personal Address Book Preferences.

Client

**Setting up the single logon feature**

The Help topic "Synchronizing your Windows NT/2000 password with your Notes password" states that you must uninstall Notes and reinstall it with the "Client Single Logon Feature" option selected. However, note that you can use Add/Remove Programs in Windows to change the current installation rather than having to completely replace it.

To check whether the single logon feature is already installed, choose File - Security - User Security. If the single logon feature is installed, the option "Login to Notes using your operating system login" is enabled.

Client

**Specifying information received in all replicas on a computer**

The documentation currently reads:

"Notes can set all replicas of a database on a local computer or server either to receive or not receive elements from other replicas. By default, all elements but the replication formula and any individually specified fields are received. You can specify settings for these elements:

- Design elements (all forms, views, folders, outlines, and so on)
- Access control list
- Agents
- Deletions (both of documents and design elements you control, such as folders)
- Replication formula (if a formula is specified on this or another page of the Replication Settings dialog box)
- Fields (if you are a designer, select this option, click Define, and select Custom to see a list of fields you can select or deselect)"

The following points are clarifications to the above:

- The 'Deletions' option applies to all choices in the 'Receive from' field; in other words, you cannot set this option to receive deletions from one server and not to receive them from another -- deletions from replicas on all sources must be treated the same.
- You can set all the other options to be specific to the source you have specified in the 'Receive from' field; for example, you can choose to receive the access control list from replicas on Server A, and then change the contents of the 'Receive from' field to Server B and choose not to receive the access control list from replicas on Server B.
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes

Chapter 4 - Documentation updates

Client

**Subject/Meeting/Location graphic mislabeled**

In the Help topic "Customizing Calendar print options", the following graphic is shown:

![Graphic](image)

The item labeled 'Description' should instead be labeled "Subject/Location/Chair".

Client

**Unblocking a sender from your Junk Mail**

In the topic "Managing Junk Mail," under the heading "To Unblock Mail," step 2 incorrectly reads "On the tool bar, click Actions - Tools - Unblock." It should read "Choose Actions - Unblock."

Domino Administration Help

Administrator Client, Client, Server, Domino Web Access

**MS Exchange-to-Domino conversion tool enhanced**

In 6.5.1, a number of improvements were made to the migration of Calendaring and Scheduling information from Microsoft Exchange to Domino. The following provides details of these changes and recommendations for this process.

**Calendaring and Scheduling Address Conversion**

The Mail Convert tool, used in post-migration processing, has been extended to provide the capability to convert Microsoft Exchange addresses to valid Domino addresses. This ensures that addresses in messages for those users who have migrated mail files from an Exchange server are converted to the correct Notes format.

For the Address conversion process to work correctly, the cache for Name and Address Book (NAB) entries on the Domino Server **must** be current. Perform the following task on the Domino Server Console to make sure the cache is updated and current:

- `tell router q`
- `load updall <Domino Address Book>` (e.g., `load updall names.nsf`)
- `load router`

Available conversion tool interfaces from the Domino Server console include:

- `load convert -w <mail file dir-path>` Runs the Address Fix on all migrated mail files under "<mail file dir-path>"  
  e.g., `load convert -w mail\*.nsf`
- `load convert -w <specific mail file path>` Runs the Address Fix on a specified migrated mail file  
  e.g., `load convert -w mail\chair.nsf`
You can also run the first command below, which will collect all the migrated mailfiles from your NAB and place them in a text file, and then run the Address Fix by using the second command below with that text file.

```
load convert -w -l <text list file path>  Generates a text list file with all migrated primary mail files on the server, excluding any replica mail databases
  e.g.,  load convert -w -l c:\tmp\mailfilelist.txt
load convert -w -f <text list file path>  Runs the Address Fix on all migrated mail files listed in the specified text file
  e.g.,  load convert -w -f c:\tmp\maildlist.txt
```

**NOTE:** It is important to note that this tool only converts the addresses of Microsoft Exchange users who exist in the Domino Directory. If migration is carried out for smaller groups, the tool should continue to be run each time a group is migrated.

### Known issues

**IMPORTANT:** It is recommended that, prior to the migration of any users, all outstanding Calendar/Scheduling workflow, such as Meeting invitations, Reschedules, Task assignments, etc., are processed. The tool will carry out migration of these items, but please refer to the known issues below for differences in behavior from Exchange to Domino.

- Meeting reminders are not migrated in the 6.5.1 release.
- JPEG objects inserted in the body of a memo do not appear correctly after migrating from Exchange to Domino.
- Migrating e-mails that have MIME data in the message body will result in an e-mail with the data being sent as an unviewable attachment.
- The Notes client does not display the 'Details' tab for Tasks, or the "% Complete" field.
- Prefixes for Delivery Report, Read Receipt, and Undeliverable Report are missing after migration.
- If the invitee to a meeting opens a reschedule or cancellation notice before migration, but does not process the workflow item (i.e., the user does not accept or tentatively accept the reschedule notice), the user may experience faulty behavior when opening the workflow notice after migration. This behavior occurs because during migration meetings are not placed on the calendar that have been cancelled, or that have not been responded to, so when the reschedule notice or cancellation notice is processed after migration, the meeting is no longer present on the calendar.

Please note the following behavior for specific types of documents migrated from Exchange to Domino. This is the intended behavior, due to behavioral differences between the Outlook and the Notes meeting workflow model:

- Meeting invitations forwarded from the initial invitee to subsequent users will be migrated as an e-mail, containing the meeting details within the memo.
- In Outlook, unprocessed meetings (i.e., meeting invitations or reschedules that have not been responded to in Outlook) may appear on the user’s calendar, but Notes does not allow for this behavior. Unprocessed calendar entries migrated from Exchange to Domino will not be migrated to the user’s Notes mailfile, and will not appear in the Notes Calendar or Meetings view.
- Unprocessed Repeat Meeting workflow after migration:
  - A Reschedule notice for all instances of a repeating meeting will appear as an Invitation. Also, the original, existing repeating meeting will not appear on the Calendar. After accepting the reschedule, the meeting will appear on the calendar with the new, rescheduled times.
  - Only a reschedule notice for "just one instance" of a repeat meeting will display a subject with "Reschedule:”. If the original meeting invitation was not accepted before migration, was deleted from the inbox, or if the original meeting entry was deleted from the calendar before migration, the reschedule notice for "just one instance" will be migrated as a memo, containing the text of the meeting details in the body.
Server

Documentation error: Instructions to configure WebSphere plug-in

The documentation on setting up Domino to work with other Web servers contains the topic "To configure the WebSphere plugin." The following documentation is incorrect in step 3:

Add these directives to the top of the <UriGroup> section. These directives specify common URL patterns needed for accessing Domino Web applications.

<UriGroup Name="default_host_URIs">
  <Uri Name="/.*.nsf*"/>
  <Uri Name="/icons/*"/>
  <Uri Name="/domjava/*"/>
</UriGroup>

The documentation should read:

<UriGroup Name="default_host_URIs">
  <Uri Name="/.*.nsf*"/>
  <Uri Name="/icons/*"/>
  <Uri Name="/domjava/*"/>
</UriGroup>

Administrator Client, Server

Examples for fields that can be excluded from text logs

The following are examples for how to exclude certain types of information from an HTTP text log file, as described in the topic "Setting up Domino Web server logging to text files."

Exclusions based on user agent:

When a browser sends a request to a Web server, the browser adds a User-Agent header to the request to identify itself.

An example of a User-Agent header sent by Microsoft Internet Explorer 5.5:

User-Agent: Mozilla/4.0 (compatible; MSIE 5.5; Windows NT 5.0)

An example of a User-Agent header sent by Netscape 4.7:

User-Agent: Mozilla/4.75 [en] (WinNT; U)

The exact values of the header differ from version to version of a browser. However, you can use wildcard patterns to match a range of values. For example, all recent versions of Internet Explorer include the string "MSIE" in the header. So, if you want to exclude requests sent from IE browsers from the Web log, you can use this pattern in the user agent exclusion field:

*MSIE*
Exclusions based on MIME type:

When the server sends a response back to the browser, the server usually adds a Content-Type header to the response that indicates the MIME type of the response body. However, the header may also include other information, such as character set. Here are two example headers, for a GIF image and for a Domino document:

Content-Type: image/gif

Content-Type: text/html; charset=US-ASCII

To exclude responses based on MIME type, you need to specify a pattern that matches the entire value of the Content-Type header, usually by using a wildcard. For example, if you wanted to exclude all Domino document requests, you must specify the pattern:

text/html*

not just "text/html", because that wouldn't match a header that also includes a charset value.

Administrator Client, Server

Server Performance Monitoring Platform Statistics

Monitoring platform statistics
Domino 6 includes platform statistics that track the performance metrics of the operating system and store the results in the Domino server. For a full description of platform statistics, see the on-line help documentation. You can view the list and full description of the platform statistics from the Domino Administrator Configuration tab in the Monitoring Configuration - Name & Messages (Advanced) - Statistic Names view.

Supported Platforms
- AIX 4.3.3 and AIX 5.1 - An optional package that includes the iostat and vmstat commands must be loaded to get a complete set of system and logical disk statistics. Please make sure that this package is loaded on your system. Refer to the AIX installation guides for more details on loading optional system software.
- OS400 - Domino 6 includes a number of Platform Statistics feature changes and statistic name changes. Please consult your OS400 documentation for the exact level and type of support offered for Platform Statistics.
- Solaris 8 SPARC
- Windows 2000 on Intel
- Windows NT on Intel
- z/OS - Domino 6 includes a number of supported platform statistics

OS400 ProcessID statistics
The statistic Platform.Process.<process name>.<instance number>.ProcessID is supported by OS400 for internal purposes only. To identify a process on the OS400 system, use the following statistic:

Platform.Process.<process name>.<instance number>.JobNumber

Solaris statistics notes
- Occasionally on certain machines, there may be some erroneous values for some statistics, which are generally on the high side. For example:

  Platform.System.ContextSwitches = 26,571,732.1
  Platform.System.PctlCombinedCpuUtil = 2,605,697
  Platform.PctTotalUserCpuUtil.Peak = 4,821,546.7

When this occurs, use the Platform Reset Interval Enable command to reset Platform Statistics to zero. This resets relevant statistic values to zero and prevents the generated erroneous values from being used in future calculations. After credible statistic values begin to be reported, use the command Platform Reset Interval Disable so that statistic values do not continue being reset to zero.
The statistic Platform.LogicalDisk.<InstanceNumber>.ServiceTimeinmsecs reports the average service time of a given logical disk. There is a significant difference between the values reported by Platform Statistics and those reported using the system command iostat. The values reported by Platform Statistics are in agreement with values generated by running the system command kstat, but tend to be smaller than the iostat values.

Process CPU values reported by the statistic Platform.Process.<ProcessName.InstanceNumber>.PctCpuUtil may be under reported when workloads are heavy. Use the system command prstat to find out details on process CPU usage. Refer to the man pages for details on using prstat.

AIX statistics notes

- Logical Disk statistics are reported only for the first seventeen disks detected for this release. This artificial limit will be removed in a future release to report statistics on all non-idle disks.

- Platform statistics on AIX are generated via shell scripts. When a server crashes, Platform statistics specific shell scripts (*.sh) and temporary data files (*.TMP) may be created in the Notes Temporary directory, which is usually the Notes Data directory. These files are small, generally less than 300 bytes in size. Although no harm is caused by their continued presence, you may want to delete older files from your temp directory.

Server

All server version information removed from Web responses

To make it more difficult for cyberattackers to obtain Domino server version and platform information, all sources of such information has been removed from Web responses in Lotus Domino 6. The specific changes are as follows:

- Version information has been deleted from the standard HTTP response header "Server". In R5 the header looked like this:
  
  Server: Lotus-Domino/509

  The header now looks like this:

  Server: Lotus-Domino

- In R5, error pages such as "File Not Found" included a standard footer that specified the server version number. This footer has been removed.

- In R5, all valid responses to database requests included an HTML comment that specified both the server version and the operating system platform. This comment could be suppressed by setting the notes.ini variable DominoNoBanner=1. Now, the comment is suppressed by default. If you need the comment produced for some specific reason, you can set DominoNoBanner=0.

If you are maintaining R5 servers, please note that the above changes are also scheduled to be implemented in R5.0.10.

Administrator Client, Server

New directory assistance features

The following directory assistance features are new in this release.

Cluster failover supported for directory assistance

If replicas of a Domino Directory (secondary Domino Directory, Extended Directory Catalog, or primary Domino Directory) configured in the directory assistance database are within a cluster, you can configure directory assistance to use cluster failover to find an alternate replica when necessary to provide uninterrupted service. To use cluster failover, in the Replicas tab of the Directory Assistance document for the directory, specify one, and only one, replica that is within the cluster.
More control over how a secondary directory is used

The following options, which give you more control over how a secondary directory is used, are now available in a Notes Directory Assistance document. Previously, these options were available only in an LDAP Directory Assistance document.

<table>
<thead>
<tr>
<th>Option</th>
<th>Meaning for a Domino (Notes) directory</th>
<th>Meaning for an LDAP directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make this domain available to: Notes Clients &amp; Internet Authentication/Authorization</td>
<td>Use the directory for Notes mail addressing, Internet client authentication (including LDAP client authentication), and ACL group authorization. For group authorization, you must also select &quot;Yes&quot; next to the Group Authorization field.</td>
<td>Use the directory for Notes mail addressing, Internet client authentication (including LDAP client authentication), and ACL group authorization. For group authorization, you must also select &quot;Yes&quot; next to the Group Authorization field.</td>
</tr>
<tr>
<td>Make this domain available to: LDAP Clients</td>
<td>Use the directory for LDAP search and write operations. To use the directory for LDAP write operations, you must also enable the directory for write operations in the &quot;All Servers&quot; Configuration Settings document.</td>
<td>Use the directory for LDAP referrals, when an LDAP search is not successful in any Domino Directory.</td>
</tr>
</tbody>
</table>

The location of these option in an LDAP Directory Assistance document is now in the Basics tab, rather than the LDAP tab.

Preferred mail format option

There is a new option in an LDAP Directory Assistance document called "Preferred mail format." If directory assistance is set up to allow Notes users to address mail to users in an LDAP directory, use this option to select the format of the mail address that is entered into Notes memos when the users press F9. Keep the default, "Internet Mail Address," to use the Internet mail format, for example, jdoe@acme.com, the format used in Release 5. Select "Notes Mail Address" to use Notes-style addressing, for example, John Doe/Acme@Acme. If you select "Notes Mail Address," then to send mail to the people in the LDAP directory, their entries must have values for the MailDomain attribute.

Typically the "Notes Mail Address" option is only used when the LDAP directory is a Domino Directory.

Alias dereferencing for LDAP directory assistance

An alias entry in an LDAP directory is an entry that points to another entry. Following an alias pointer is known as dereferencing an alias. There is a new field in Directory Assistance documents for LDAP directories called "Dereference alias on search." This field has the following options that control searching of aliases in an LDAP directory.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Never</td>
<td>Never dereference alias entries. Choose this option to improve search performance if there are no alias entries in the directory that require dereferencing.</td>
</tr>
<tr>
<td>Only for subordinate entries</td>
<td>Dereference alias entries subordinate to a specified search base, but do not dereference an alias search base entry.</td>
</tr>
<tr>
<td>Only for search base entries</td>
<td>Dereference an alias entry for a specified search base, but do not dereference alias entries subordinate to the search base.</td>
</tr>
<tr>
<td>Always</td>
<td>Always dereference aliases. This selection is the default, and the Release 5 behavior.</td>
</tr>
</tbody>
</table>

Note: Dereferencing aliases by choosing "Only for subordinate entries," "Only for search base entries," or "Always," can result in poor search performance with some LDAP directories.

Examples of alias dereferencing

Suppose:

A) an LDAP directory has the following entries:

\[ o=\text{Acme1} \\
\quad o=\text{Acme2} \text{ (alias entry that points to } o=\text{Acme1}) \\
\quad cn=\text{John Doe, } o=\text{Acme1} \\
\quad cn=\text{John Doe, } o=\text{Acme2} \text{ (alias entry that points to } cn=\text{John Doe, } o=\text{Acme1}) \]

B) Directory assistance has to process a subtree search with the base \[ o=\text{Acme2} \text{ (a search of } o=\text{Acme2} \text{ and its subordinate entries).} \]
Given A) and B), the following table describes the search results each "Dereference alias on search" option returns.

<table>
<thead>
<tr>
<th>Option selected</th>
<th>Entries returned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Never</td>
<td>o=Acme2</td>
</tr>
<tr>
<td></td>
<td>cn=John Doe, o=Acme2</td>
</tr>
<tr>
<td>Only for subordinate</td>
<td>o=Acme2</td>
</tr>
<tr>
<td>entries</td>
<td>cn=John Doe, o=Acme1</td>
</tr>
<tr>
<td>Only for search base</td>
<td>o=Acme1</td>
</tr>
<tr>
<td>entries</td>
<td>cn=John Doe, o=Acme1</td>
</tr>
<tr>
<td>Always</td>
<td>o=Acme1</td>
</tr>
<tr>
<td></td>
<td>cn=John Doe, o=Acme2</td>
</tr>
</tbody>
</table>

**Mapping names in remote LDAP directories to Notes names**

If you use a remote LDAP directory for client authentication, you can now map users' LDAP directory distinguished names to Notes distinguished names. After you set up the name mapping, you can use the Notes names, instead of the LDAP distinguished names, in Notes database ACLs and in groups used in Notes database ACLs. In addition, users can use their Notes names as their client logon names.

This feature is useful for hiding complex LDAP distinguished names from Notes and Web users. This feature is also useful for organizations that move users from Domino to a remote LDAP directory, because they can continue to use the original Notes names in existing database ACLs and groups.

To set up name mapping, you add the Notes names to the remote LDAP directory user entries, and then enable name mapping through directory assistance, as follows:

1. Choose an attribute for storing the Notes name values in the LDAP directory user entries. The syntax for the attribute must be DN. You can create a new attribute, or use an existing one.
2. Add the Notes names as values for the selected attribute to the remote LDAP directory user entries.
   - Domino doesn’t provide a tool to add the names – use a tool that is available to you.
   - If the Notes names are in existing database ACLs and groups, use those names.
   - You can use any distinguished name value, although a distinguished name with multiple parts is recommended because it provides better database security.
   - You can use forward slashes (the Notes convention) or commas (the LDAP convention) to separate components of a distinguished name.
3. Open the Directory Assistance document for the LDAP directory. Select the LDAP tab, and add the name of the attribute that stores the Notes names to the “Attribute to be used as Notes distinguished name” field. Save the document.

**Example of name mapping**

Acme corporation uses the distinguished name uid=675894, ou=Boston, o=acme for a particular user in a remote LDAP directory. For the same user, Acme already uses the name cn=Jack Johnson/ou=Boston/o=Acme in Notes database ACLs and groups. An Acme system administrator does the following to map the LDAP directory distinguished name to the Notes name cn=Jack Johnson/ou=Boston/o=Acme so the name can continue to be used in the Notes ACLs and groups:

1. In the remote LDAP directory, adds an attribute called notesname to the user entry for uid=675894, ou=Boston, o=acme, and gives the attribute the value cn=Jack Johnson/ou=Boston/o=Acme.
2. In the LDAP tab of the Directory Assistance document for the LDAP directory, adds the attribute notesname to the "Attribute to be used as Notes distinguished name field.”

When the user logs on and authenticates using the distinguished name uid=675894, ou=Boston, o=acme (or just uid=675894), the name Jack cn=Johnson/ou=Boston/o=Acme will be used to determine the user’s database access. In a future release, the user will also be able to log on and authenticate using the Notes name.
Support for naming contexts when LDAP clients don't specify search bases
When a search base isn't specified on some LDAP clients, the clients search a directory server's root DSE to determine the naming contexts supported by the server. Then, only entries that correspond to the defined naming contexts are searched, rather than necessarily the entire directory tree. This feature is a way to avoid depending on users to specify searches bases that limit the scope of a directory search.

You can now use Directory Assistance naming rules to define the naming context for a secondary Domino Directory used for LDAP searches. For example, if Directory Assistance document for a secondary Domino Directory has the rules */West/Acme and */East/Acme, then LDAP clients that don't specify searches bases, but can discover naming contexts, such as a IBM WebSphere® Application Server, search only entries with distinguished names that correspond to these rules, and not any other entries.

Server

SSL: RC2 encryption with 40-bit key and MD5 MAC
SSL: RC2 encryption with 40-bit key and MD5 MAC is not an available cipher for Domino 6. This cipher was available in R5.0x. You may find the selectable SSL cipher selections on a web site - on the security tab, or in the server document, on the ports ->internet ports->web tabs.

Administrator Client, Server

Tell LDAP ReloadSchema command
The behavior of the Tell LDAP ReloadSchema command has changed in Lotus Domino 6. When you issue this command on the Domino Directory administration server that runs the LDAP service, the schema daemon updates the LDAP service in-memory schema with any new schema changes defined with Domino Directory forms or with the Domino LDAP Schema database. The schema daemon then publishes the updated schema into its local Schema database, and then replicates the Schema database to others servers in the domain that run the LDAP service.

When you issue this command from a subordinate server in the domain that runs the LDAP service, the schema daemon on the subordinate server replicates the Schema database from the administration server, if it detects changes on the administration server replica that it hasn't yet received. The schema daemon then loads any updated schema now published in its local Schema database into memory.

The Help documentation states that you can restart the LDAP task in order to incorporate newly created schema elements. This is not working in the current release. When the schema is extended, you should instead run the Tell LDAP ReloadSchema to process the new schema elements.

Administrator Client, Server

Inheriting policy settings requires a parent policy
For both organizational and explicit policies, you cannot inherit policy settings unless there is a parent policy from which to inherit settings. For example, policy settings at the Organization level cannot be inherited, because this policy is at the top level of the hierarchy; there is no parent policy above it.

To inherit policy settings in policies at the OU level, the policy setting in the parent policy must have a value. Some, but not all, policy settings have default values. If you are unsure whether a policy setting value exists in a parent policy, use the Policy Viewer.

It's generally a good practice to set a default value in the settings document.

Administrator Client

New workstation security access option in Admin ECL
A new security access option - "Access to Network" - has been added to the workstation execution control list (ECL) in the Administration ECL dialog box. This option allows active content running on a user workstation to bind to and accept connections on a privileged port (a port outside the range 0 to 1024), and establish connections with other servers.
Seamless mail upgrade requires Multi-user install
To use the seamless mail upgrade for multiple users who share a single workstation, you must install the Notes clients using the multi-user install option.

Server.load - SendMessage attachment option needs full file path
The Server.load documentation, included with the Domino Administrator on-line Help, incorrectly states that, for the SendMessage attachment option, a file without a path specified is assumed to be in the data directory. In fact, you must specify a complete, absolute path for the attachment name (e.g., c:\notes\data\myfile.txt).

Submitting Resource Balancing plans to a replica
If you submit a Resource Balancing plan to a replica of the Domino Change Control database (DOMCHANGE.NSF) on a client or server where the Domino Change Manager task is not running, the status bar shows success, but the plan does not appear on the replica. After DOMCHANGE.NSF replicates to the Change Manager server, and the Domino Change Manager processes it, a draft plan appears on the Change Manager server only. The plan document does not appear on the Domino Change Control database replica.

NOTE: The Submit dialog box has Help text similar to this in it. It indicates that the plan will appear only after the request is processed by the Change Manager server.

'Using LDAP to search a Domain index' is not available
The Lotus Domino Administrator 6 on-line Help includes a topic titled 'Using LDAP to search a Domain index'. This feature is not working at the time of this release.

Changes in daylight saving time Notes.INI settings
The Notes.INI setting "DSTlaw" was used for specifying when daylight saving time was observed, especially on a Domino R5 server on a Unix platform. This was required because a Domino R5 server on Unix always used a fixed daylight saving period.

However, a Domino 6 server on a Unix OS can synchronize daylight saving time with the OS time zone as well as a Domino server on a Windows OS, so this setting is no longer required. Even you specify 'DSTlaw' in Notes.INI, the value will be updated with the proper value from the OS. Similarly, the Notes.INI setting "DST" will be updated to match the current OS setting. These changes apply to Notes client on Windows/Mac and Domino server on Windows/Unix.

DST_Begin_Date and DST_End_Date are obsolete in Notes/Domino 6
The Notes.INI setting DST_Begin_Date and DST_End_Date were designed to specify DST boundaries, but the feature never worked as designed in Notes/Domino R5. In Notes/Domino 6, these Notes.INI settings are obsolete.

Error in DOLS documentation
The topic "Copying DOLS design elements into the main database" in the Domino Designer Help and Domino Administrator Help says you should copy the following files from dolres.ntf into your subscription: DOLS.GIF, iNotes_bnnr.gif, and servers.gif. These images no longer exist in the Domino 6 dolres.ntf template.
Server

**LDAPNAME_UPDATE_SUPPRESS_TIME** updates group cache

**LDAPNAME_UPDATE_SUPPRESS_TIME**

**Syntax:** `LDAPNAME_UPDATE_SUPPRESS_TIME=len`th of time in 1/100ths of a second

**Description:** The length of time that entries from an LDAP directory are considered valid in the group cache (see below for more details). This time is in 1/100ths of a second, so 6000 is one minute, 3000 is 30 sec, and 30000 is 5 minutes, etc.

- 0 - The behavior is the same as R5, that is updates to the LDAP directory are not detected and the group cache is flushed based only on updates to the domino directory(ies) which are enabled for group expansion.

- x - If this variable is set to an integer value, this value is interpreted as the lifetime of information from remote LDAP directories in 1/100ths of a second. Thus, if this value is set to 6000 then the information from the LDAP server will only be considered valid for 1 minute. If the LDAP server was marked for group expansion in the DA database this would mean that group cache would be considered stale after one minute. If the value were set to 60000 entries would expire after 10 minutes, if 360000 they would expire after 1 hour, etc. Settings below 6000 (3000 if the LDAP server task is running) are probably not useful as these servers are subject to the same 1 minute (30 seconds if the LDAP server task running) delay that domino directories are subject to.

- No value - If the variable is not set at all, it will default to 360000 (1 hour).

**Applies to:** Servers

**Default:** 1 hour

**UI equivalent:** None

Administrator Client, Server

**POP3 Session statistics on Linux reporting incorrect values**

On Linux, POP3 Session statistics for active and peak session are reporting the statistic for Total sessions instead of the active and peak sessions.

Administrator Client

**Renaming roaming users**

Users can no longer request a name change via the Send Mail option in the User Security dialog box. Instead, users must notify their administrators of the change, and administrators must use adminp, via the Domino Directory, to execute the name change.

Users formerly had the option of sending a safe copy of their ID to the administrator to re-certify. The problem with this method is that, when the user accepts this recertified safe copy back into their ID file, then replication doesn't occur properly and the user Personal Name and Address book is not updated with the ID containing the new name. When the user closes down Notes and then re-opens it, a dialog box appears stating "An invalid or nonexistent document" and Notes then proceeds to close, leaving the user unable to use their Notes client on the machine.

Administrator Client, Server

**TRANSLOG_Style Notes.INI setting includes Linear style**

The Notes.INI setting TRANSLOG_Style includes a Linear style. Use Linear logging if the size of the log needed between full database backup intervals is greater than 4GB (the maximum with circular logging), and you are not using archive media. Use TRANSLOG_Style=2 for Linear logging.

For more information on the TRANSLOG_Style setting, see the Notes.INI appendix in the Domino 6 Administrator on-line Help.
Updated description for SMTPDebugIO Notes.INI setting

SMTPDebugIO
Syntax: SMTPDebugIO=value

Description: Enables the logging of all data sent and received by the SMTP task. Logging is cumulative; each level provides all information as described for previous levels when value is greater than 1.

- 0 - No logging of I/O
- 1 - Number of bytes sent and received during various stages of SMTP conversation
- 3 - Logs all data received by the SMTP task, including SMTP commands received and responses sent
- 4 - RFC822 data (message data)

Caution: Use SMTPDebugIO only when necessary and disable it again as soon as possible. It can cause the log file to grow very large, and logs the contents of received messages.

Applies to: Servers

You must be assigned the UserCreator role to register a user

The topic "Using administration roles in the Domino Directory ACL" states the following:

"...an administrator who does not have the UserCreator role can still use the User Registration program to register a user."

This statement is incorrect. Registering a user through the User Registration program requires the UserCreator role.

"Dbcache Disable" and "Dbcache Show" server commands

Dbcache Disable
Syntax: Dbcache Disable

Description: The database cache keeps databases open. Use this command to disable the database cache when you need exclusive access to a file that might be in the database cache. For example, to run an application such as a virus checker or backup software, disable the cache. To re-enable the dbcache, restart the server.

Dbcache Show
Syntax: Dbcache Show

Description: Displays the names of the databases currently in the cache. Use this command to see if the database cache has a database open. Applications that cannot get exclusive access to a database may fail if the database is in the database cache.

"Grace Period" and "Kit Type" fields don't exist

In the "Creating a Lotus Notes Smart Upgrade desktop policy settings document" Help document, a reference is made to the "Grace Period" and "Kit Type" fields.

The "Grace Period" field was renamed to "Upgrade Deadline" for Domino 6. This field is part of the Desktop Settings form for Policies. It allows administrators to set a date by which users, for whom the Policy applies, will be required to select the "Upgrade Now" button on the Smart Upgrade window when it is displayed.

The "Kit Type" field was removed from the Smart Upgrade kit document form, because Notes 6 no longer distinguishes between a Full client and a Lite client.
Administrator Client, Server

"My Reservations" private view must be rebuilt
The private view "My Reservations" in the Resource Reservations database needs to be rebuilt due to a recent design change. Delete your existing "My Reservations" view from the database and let Notes 6 re-create it with the latest design.

Administrator Client, Server

Access to Advanced Database Properties tool
The Advanced Database Properties are available only to those administrators listed in the Administrators field on the Security tab of the Server document. Complete these steps to access the Advanced Database Properties tool:

1. From the Domino Administrator, click the Files tab.
2. Select the database that you want to administer.
3. From the Tools panel, choose Database · Advanced Properties.

Administrator Client, Client, Server

Accessing your mail file using IMAP or POP3
In order to access your mail file using IMAP or POP3, you must also add the values for MAILSERVER, MAILFILE, and MAILSYSTEM in the appropriate fields.

Administrator Client, Server

ACL roles not automatically enabled for full access admins
The topics "Restricting administrator access" (Server access for Notes users, Internet users, and Domino servers) and "Access levels in the ACL" (The database access control list) contain erroneous information about database access control list (ACL) access for full-access administrators (FAAs). FAAs do not automatically have all roles enabled for their access in a given ACL. Roles must be explicitly enabled for full access administrators.

Administrator Client, Server

Adding a certifier to the CA process - additional information
In the topic "Adding a certifier to the CA process," it should be noted that you need to reload the CA process each time you restart a server. You can do this through the server console command load ca, or you can have it happen automatically by adding the parameter "ca" to the ServerTasks= line in the server’s Notes.ini file.

Administrator Client, Server

Adding an alternate language and name to a user ID
There is a clarification to the topic "Adding an alternate language and name to a user ID" in the Domino Administrator 6 online help and printed documentation. In the paragraph below, the sentence "For example, you can use alternate or primary names in an ACL or a group." is deleted. The following sentence is added:

Alternate names should not be used in ACLs, Group documents, and Server documents.

Revised paragraph
Each alternate name is associated with a language specifier that identifies the native language of the name. Typically, the alternate name is specified in a character set consistent with the specified language; whereas the primary name is specified in an internationally recognizable character set. Both types of names provide the same security within the Domino system. Alternate names should not be used in ACLs, Group documents, and Server documents.
Adding update kits to the Lotus Notes Smart Upgrade database

The topic "Adding update kits to the Lotus Notes Smart Upgrade database" in the Domino Administrator documentation has been modified. The subtopic "Using optional arguments when running Smart Upgrade" contains corrections to the optional command line arguments and to the examples. The revised examples are shown here:

Using optional arguments when running Smart Upgrade

You can use optional arguments when launching Smart Upgrade. Smart Upgrade can launch any type of executable; therefore, the command line arguments in the Smart Upgrade Kit document are specific to the executable file referenced in the document, not to the Smart Upgrade itself.

A sample of the optional command line arguments and their descriptions are shown in the table below.

<table>
<thead>
<tr>
<th>Optional command line arguments</th>
<th>Description and use</th>
</tr>
</thead>
<tbody>
<tr>
<td>/a</td>
<td>Administrative installation</td>
</tr>
<tr>
<td>/s</td>
<td>Silent mode</td>
</tr>
<tr>
<td>/v</td>
<td>Pass arguments to MSlexec. All arguments entered to the right of the argument /v apply to MSlexec.</td>
</tr>
<tr>
<td>/q</td>
<td>Sets the interface level. For example, /qn indicates no user interface displays during the upgrade.</td>
</tr>
<tr>
<td>/qn+</td>
<td>Displays no user interface, except a message box at the end of the upgrade.</td>
</tr>
<tr>
<td>/qb+</td>
<td>Displays the basic user interface and a message box at the end of the upgrade.</td>
</tr>
<tr>
<td>/px</td>
<td>Web Kit installations - Sets a path to the default program directory and the default data directory.</td>
</tr>
</tbody>
</table>

These examples apply to situations where you are referencing a full install kit or an upgrade kit in the Smart Upgrade Kit document:

- Use this format to run the upgrade in silent mode without a progress bar:
  ```
  Setup.exe /s/v"/qn"
  ```
- Use this format to display a message when the upgrade is complete or it has failed. Use the + parameter as follows:
  ```
  Setup.exe /s/v"/qn+"
  ```
- Use this format to display a progress bar during the upgrade, in addition to displaying the message indicating that the upgrade is complete or it has failed. Use the b parameter as follows:
  ```
  Setup.exe /s/v"/qb+"
  ```

Additional Log_Replication setting

The Reference topic "Log_Replication" in the Administrator 6 Help should contain a description for setting number '5'. The revised topic is shown below:

**Syntax**: Log_Replication=value

**Description**: Specifies the level of logging of replication events performed by the current server:

0 - Do not log replication events
1 - Log that a database is replicating
2 - Log summary information about each database
3 - Log information about each replicated document (both design and data documents)
4 - Log information about each replicated field
5 - Log summary
Applies to: Servers

Default: None

UI equivalent: None, although you can specify this setting in the NOTES.INI Setting tab of the Configuration settings document in the Domino Directory.

Administrator Client, Server

**Alias dereferencing for LDAP search requests**

**Configuring alias dereferencing for search requests**
The Domino LDAP service supports limited alias dereferencing for LDAP search requests. An alias, such as `uid=jsmith,dc=acme,dc=com`, is an entry that points to another entry, such as `cn=John Smith,ou=Sales, o=Acme`. Searching for the entry to which an alias points is known as dereferencing an alias. LDAP search requests often include base or filter components that use an LDAP alias. For example, the base may specify "uid=jsmith,dc=acme,dc=com" or the filter may specify "uid=jsmith".

Alias dereferencing only works on aliases for People and Groups.

Alias dereferencing only works for alias entries that do not point to another alias.

Alias dereferencing does not work for 'container' entries, that is, entries in a directory that have entries under them. For example, an example of an alias entry that is a container entry would be `o=Acme`.

To enable alias dereferencing for the LDAP service:
1. From the Domino Administrator, open the server that runs the LDAP service, or a server in the same domain as the one that runs the LDAP service.
2. Click the Configuration tab.
3. In the left pane, expand Directory, then LDAP, and then select Settings.
4. For the setting "Allow dereferencing of alias entries for search requests," select Yes.
5. Click Save & Close.

To add alias entries to a Person or Group document:
Add the alias entry after the first entry in the User Name field of the Person document or the Group Name field in the group document. Do not change the first entry, as this is the DN. You must specify the alias in Notes Distinguished Name (DN) syntax, using forward slash characters as name component separators rather than commas (the LDAP DN syntax). As with all DNs, the Domino LDAP server converts the forward slashes to commas when returning the alias name in a search result.

Examples:
John Smith/West/Sales
John_Smith@acme.com
uid=jsmith/dc=acme/dc=com
email=John_Smith@acme.com

Administrator Client, Server

**Archive policy settings document - documentation correction**
There is a correction to the topic "Creating an archive policy settings document" in the Domino Administrator documentation. Step 13 of the procedure has been corrected. The corrected procedure is shown here:

To create archive policy settings
1. Make sure that you have Editor access to the Domino Directory and one of these roles:
   - PolicyCreator role to create a settings document
   - PolicyModifier role to modify a settings document
2. From the Domino Administrator, select the People & Groups tab, and then open the Settings view.
3. Click "Add Settings," and then select Archive.
4. On the Basics tab, complete these fields:
   - Name -- Enter a name that identifies the users (and, if you are a service provider, the hosted organization) that use these settings.
   - Description -- Enter a description of the settings.

5. (Optional) Under Archiving options, choose one of the following if you want to prohibit archiving. The default is to allow both.
   - Prohibit archiving -- to prohibit all archiving. Then save the document.
   - Prohibit private archiving settings -- to prohibit Notes users from creating private archive settings or modifying the archive settings defined in this settings document.

6. Under Archive locations, choose one:
   - Archiving will be performed on user's local workstation -- to use the Notes client workstation to perform the archive process (the default).
   - Archiving will be performed on a server -- to use a server to perform the archive process.

   **Note** If you choose "Archiving will be performed on a server," you must create a program document to run the compact task.
   
   For more information on using a program document to run the Compact server task, see the chapter "Improving Server Performance."

7. Under "Archive source database is on," specify the server or workstation on which the mail file that will be archived is located. Choose one:
   - Local -- if the mail file is on the user's workstation (available for client-based archiving only).
   - Specific server -- if the mail file is on a server other than the mail server. Then specify the name of the server.
   - Mail server -- if the mail file is on a mail server (default).

8. Under "Destination database is on," specify the server or workstation on which the archive database will reside. If you allow private archiving, you must give the user Create access on the destination server to create an archive database. Choose one:
   - Local -- to create the mail archive database on the user's workstation (available for client-based archiving only).
   - Specific server -- to create the mail archive database on a server other than the mail server. Then specify the name of the server.
   - Mail server -- to create the mail archive database on the mail server.

9. On the Selection Criteria tab, do one or more of the following:
   - Click New Criteria to create a new Archive Criteria Settings document. Then, click Add Criteria and select your newly defined criteria document.
   - Click Add Criteria, and then choose an archive criteria settings document to add criteria.
   - Click Remove Criteria, and then choose an archive criteria settings document to remove criteria.

   For information on creating an archive criteria settings document, see the topic "Creating Criteria for mail archiving", later in this chapter.

10. Click the Logging tab. Under Archive Logging, check the field "Log all archiving into a log database" to log archiving activity to a log database (the default).

11. (Optional) Change any of these fields if you want to change the location of the log directory and log file name.

<table>
<thead>
<tr>
<th>Field</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Directory</td>
<td>The default is archive. Enter a new name if you want to change it.</td>
</tr>
<tr>
<td>Log Prefix</td>
<td>The default is the letter l, followed by an underscore (_). Enter a new prefix if you want to change it.</td>
</tr>
<tr>
<td>Log Suffix</td>
<td>The default is no suffix. Enter a suffix for the archive log database name if you want to add one.</td>
</tr>
<tr>
<td>Number of characters from original filename</td>
<td>The default is 6. To change this, enter the number of characters you want to use from the user's ID to create the archive log name.</td>
</tr>
</tbody>
</table>
12. In the field "Include document links to archived documents," do one:
   - Check the field to include links to archived documents in the log (default). If you include links, users can open archived documents from within the log database.
   - Uncheck the field to exclude links to archived documents in the log. If you exclude links, users must open the archive database to view archived documents.

13. If you chose client-based archiving, click the Schedule tab. In the field "Enable client-based scheduled archiving" do one:
   - Check to set up a schedule for client-based archiving, and then specify the schedule.
   - Uncheck (Uncheck) to allow users to set their own schedule for archiving.

14. (optional) If you checked "Enable client-based scheduled archiving" complete one or more of these fields.

<table>
<thead>
<tr>
<th>Field</th>
<th>Action</th>
</tr>
</thead>
</table>
| Allow end user to modify schedule settings | Do one:
   - Check to allow users to modify the archive schedule. You can enable this setting even though private archive settings are prohibited.
   - Uncheck (default) to prohibit users from modifying the archive schedule. |
| Frequency                     | Choose one:
   - Daily and then select the days of the week on which to archive.
   - Weekly (default), and then choose the day of the week on which to archive. |
| Run at                        | Specify the time. The default is 12:00 pm.                               |
|                               | Note The Notes client must be running for scheduled archiving to occur. |

15. Under Location, specify the locations from which to archive. For example, if you are using client-based archiving, you may want to archive only from a user's office workstation, not from an island or if the user has dialed in. Choose one:
   - Any location -- to archive from any location.
   - Specific location -- and then specify one or more locations.

16. On the Advanced tab, complete these fields:

<table>
<thead>
<tr>
<th>Field</th>
<th>Action</th>
</tr>
</thead>
</table>
| Don't delete documents that have responses          | Do one of these:
   - Check (default) to archive but not delete documents that have responses.
   - Uncheck to archive and then delete documents that have responses. |
| Maximum document retention selection is:           | Specify for all users, or for a subset of users, the number of days, months, or years that is the maximum retention period for deleting and archiving documents. Users then specify an expiration date that falls within the number of days, months, or years that you specify. If the documents in a folder have not been modified within the specified amount of time, the folder is archived or deleted. |
| Use customer-generated expiration field:           | Click to enable administrators to define their own field name for an archive document expiration date. |
| Customer generated expiration field name:          | Specify a field name for the expiration date of archived documents. |

17. Save the document.
Automating client installation - documentation correction

The Domino Administrator 6.5 online and printed documentation requires a correction to the subtopic "To use silent installation" in the topic "Automating client installation." The topic is in the "User and Server Configuration" section of the online help and in Chapter 5, Setting Up and Managing Notes Users in the printed documentation. The format statement is the three setup commands are revised.

The revised procedure is as follows:

**To use silent installation**

Use one of the three setup commands shown below.

- Use this format to run the install in silent mode without a progress bar:
  
  `Setup.exe /s /v"/qn"

  When the installation is complete, the shortcut icons appear on the desktop.

- Use this format to display a message when the installation is complete or it has failed. Use the + parameter as follows:
  
  `Setup.exe /s /v"/qn+"

- Use this format to display a progress bar during the installation, in addition to displaying the message indicating that the installation is complete or it has failed. Use the b parameter as follows:
  
  `Setup.exe /s /v"/qb+"

Running a silent install provides users with the default installation options. To customize the type of installation or to specify options to install on the user’s system, use a transform file with the silent install.

For more information on how to use a transform file during silent client installs, see the topic "Using transform files for end-user installations."

Backing up Notes client files

The topic "Backing up Notes client files" in the Domino Administrator documentation and Domino Upgrade Guide has been expanded to include more information. The revised topic is shown here.

**Backing up Notes client files**

Back up important Notes client files in case an error occurs during the upgrade process. If you experience problems, you can restore these files with the backed-up versions. Back up the following files for each Notes client:

<table>
<thead>
<tr>
<th>File</th>
<th>Default Location</th>
</tr>
</thead>
</table>
| NOTES.INI (Notes Preferences on the Macintosh) | For Lotus Notes 4.6 clients, System directory (for example, C:\WIN95)  
For Lotus Notes 5 clients, Notes data directory (for example, C:\NOTES\DATA) |
| BOOKMARK.NSF       | Notes data directory. Contains saved bookmark and welcome page information (for example, C:\NOTES\DATA\BOOKMARK.NSF) |
| BUSYTIME.NSF       | Notes data directory. Contains local free time information (for example, C:\NOTES\DATA\BUSYTIME.NSF) |
| HEADLINE.NSF       | Notes data directory. Contains database subscriptions information (for example, C:\NOTES\DATA\HEADLINE.NSF) |
Administrator Client, Server

**Changing a nonroaming user to a roaming user**

The Domino Administrator documentation contains the topic "Changing a nonroaming user to roaming." Step 1 of that procedure has been modified. The revised Step 1 is shown here. The correction is made to sub-step b -- the reference to the Owner field has been removed.

**To change a nonroaming user to roaming**

1. To change a nonroaming user, you must have the following rights or privileges:
   - At least author access to the Domino Directory
   - If the user has author access, they must have one of the following:
     a. UserModifier Role
     b. Be listed in the LocalAdmin field of the user's Person document
   - Must be a database administrator on the roaming server (needed to create a folder on a remote server)
Changing a user's roaming status - Access rights and privileges

The Domino Administrator documentation is updated with new information about required access rights and privileges for modifying a user's roaming status.

The new information is shown here:

Changing a roaming user to a nonroaming user
To change a roaming user to a nonroaming user, you must have
- At least Author access to the Domino Directory
- If the user has author access they must have one of the following:
  a. UserModifier Role
  b. Be listed in the LocalAdmin or Owner field of the user's Person document
- Must have Delete document privilege in the Domino Directory

Changing a nonroaming user to a roaming user
To change a nonroaming user, you must have the following rights or privileges:
- At least author access to the Domino Directory
- If the user has author access, they must have one of the following:
  a. UserModifier Role
  b. Be listed in the LocalAdmin or Owner field of the user's Person document
- Must be a database administrator on the roaming server (needed to create a folder on a remote server)

Cluster replicator disregards "Summary + 40KB . . ." setting
The cluster replicator disregards the Space Saver setting "Receive summary and 40KB of rich text only".

Configuring Domino SNMP agent for AIX - update
The Domino Administrator documentation contains the topic "Configuring the Domino SNMP Agent for AIX." Step 4 of the procedure has been modified. The revised procedure is shown here:

Configuring the Domino SNMP Agent for AIX
Follow the steps below, once per platform, to configure the Domino SNMP Agent for AIX.

Note Before using the Domino SNMP Agent, make sure TCP/IP and SNMP are properly installed and configured on the server. Also, make sure that the Domino executable and the Domino data directories are in your search path.

Tip The trap destinations and community names for AIX are configured in the /etc/snmpd.conf file. You will want to configure appropriate trap destinations and community names for your remote management infrastructure. Remember to keep the view identifiers unique for each trap destination.

Note The Domino SNMP Agent is set up to run automatically. This means that once the Domino SNMP Agent is configured, it is virtually always running, even when Domino is not. If you later upgrade Domino you should stop the LNSNMP process before beginning the upgrade process.

Note All the following commands should be executed as the root user.

1. Stop the LNSNMP process. Enter this command:
   
   lnsnmp.sh stop

2. Stop the SNMPD subsystem. Enter this command:
   
   stopsrc -s snmpd

3. Configure SNMPD to accept LNSNMP as an SMUX peer. Add the following line to /etc/snmpd.peers:
   
   "Lotus Notes Agent" 1.3.6.1.4.1.334.72 "NotesPasswd"
4. Configure SNMPD to accept an SMUX association from LNSNMP. Add the following line to `/etc/snmpd.conf` or `/etc/snmpdv3.conf`, depending on whether your system uses the SNMPv1 or SNMPv3 master agent:
   
   ```
   smux 1.3.6.1.4.1.334.72 NotesPasswd
   ```

5. Start the SNMPD subsystem. Enter this command:
   
   ```
   startsrc -s snmpd
   ```

6. Start the LNSNMP process. Enter this command:
   
   ```
   lnsnmp.sh start
   ```

7. Create a link to the LNSNMP script. Enter this command, changing the Domino executable path if necessary:
   
   ```
   ln -f -s /opt/lotus/notes/latest/ibmpow/lnsnmp.sh /etc/lnsnmp.rc
   ```

8. Arrange for LNSNMP to be restarted after a reboot. Add the following line to the end of `/etc/rc.tcpip`:
   
   ```
   /etc/lnsnmp.rc start
   ```

You have completed the AIX-specific portion of the Domino SNMP Agent configuration. You should now follow the instructions found in Completing the Configuration of the Domino SNMP Agent.

---

**Correction to Customizing Domino Web Access**

The Domino Administration help topic "Customizing Domino Web Access" contains an error. The correct name for the form Custom_JS_Extensions is Custom_JS.

---

**Correction to desktop policy settings document**

The desktop policy settings document, Basics tab, contains the field "If running this version of Notes." The description of the field in the Domino Administrator documentation has been corrected to read as follows:

<table>
<thead>
<tr>
<th>If running this version of Notes:</th>
<th>Enter the build version of the Notes client in the format Release Vnn Month dd, yyyy (for example, Release 6.5.1 January 21, 2004). To upgrade all versions, use an asterisk *.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tip</strong></td>
<td>To find the build version, use Help - About Domino Administrator.</td>
</tr>
</tbody>
</table>

---

**Correction to mail conversion utility function**

The Domino Administrator documentation and the Upgrade Guide contain incorrect information about the convert -g function in the mail conversion utility. The revised information is as follows:

In the topic "Migrating from Microsoft Exchange using the mail conversion utility," the convert -g, -h, and -i entries in the first table should appear as

<table>
<thead>
<tr>
<th>-g &quot;Language Name&quot;</th>
<th>Replaces the mail file design with user’s preferred language.</th>
</tr>
</thead>
<tbody>
<tr>
<td>-h</td>
<td>Adds the IMAP specific items to optimize fetches</td>
</tr>
</tbody>
</table>
Converts categories to folders, even if there are more than 200 categories.

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-g&quot;Language Name&quot;</td>
<td>Replaces the mail file design with user’s preferred language.</td>
</tr>
<tr>
<td>-h</td>
<td>Adds the IMAP specific items to optimize fetches</td>
</tr>
<tr>
<td>-i</td>
<td>Converts categories to folders, even if there are more than 200 categories.</td>
</tr>
</tbody>
</table>

The convert \-g entry in the second table should appear as

```
load convert -g"German" TestMail.nsf * mail7_en_de.ntf
```

In the topic "Upgrading mail files with the mail conversion utility," the convert \-g entry in the first table should appear as

```
load convert -g"German" TestMail.nsf * mail7_en_de.ntf
```

Changing the English mail design to a German mail design

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changing the English mail design to a German mail design</td>
<td>load convert -g&quot;German&quot; TestMail.nsf * mail7_en_de.ntf</td>
</tr>
</tbody>
</table>

**Correction to single-sign on procedure**

In the topic "Multi-server session-based name-and-password authentication for Web users (single sign-on), the second bullet in the procedure should read like this:

- Enabling the "Multiple servers (SSO)" option for session-based authentication in the Web Site or in the Server document.

**Creating a Directory Assistance document - correction**

In the Domino Administration Help topic "Creating a Directory Assistance document for a Domino Directory or Extended Directory Catalog," the option "Make this domain available to" has been updated to include the following information:

If the domain specified in the "Domain name" field is the same Domino domain (the primary domain) of the servers that use directory assistance, the servers use the directory for these three services automatically, even if you do not choose this option. If you are using a configuration directory server, you can then make this option equal to the primary address book domain and have the secondary address book available through directory assistance.
Creating directory and database links - documentation correction

The Domino Administrator documentation contains the topic "Creating directory and database links." This topic has been modified due to incorrect information. The correction is in the first paragraph in the subtopic "To create or update a link." The revised documentation follows:

Creating directory and database links
Directory links and database links are text files that appear as directory or database icons in the Domino data directory. In the Domino Administrator and in the Open Database dialog box in the Notes client, directory links appear to the user as a directory folder icon, and database links appear as a database icon.

Create the directory link to point to a subdirectory, not to a root directory. For example, create the directory link PROJECTS.DIR to point to the directory D:\PROJECTS\SALES. On a Domino Server for NetWare, a DIR file can point to SYS:SALES but not to SYS:. On a Domino Server for UNIX, a DIR file can point to /sales but not to /.

Create the database link using the complete path and file name of the database you want to link to. For example, create the database link SALES.NSF to point to the database D:\PROJECTS\SALES\SALES.NSF. Domino automatically appends the NSF extension to the database name. If you want to move a linked database to another location, delete the old link, create a new database link, and move the database to the new location. When you delete the database link, you remove the link, but not the database link references.

To create or update a link
Use links to organize databases on servers. Create a directory folder link to point users to multiple databases stored in the Domino data directory, in subdirectories of the Domino data directory, or in directories outside of the Domino data directory. Create a database link to point users to a single database stored in a directory outside the Domino data directory.

1. From the Domino Administrator Server list, select the name of the server on which to create the link. This server can be local or remote.
2. Click the Files tab, and then choose Tools - Folder - New Link or Tools - Folder - Update Link.
3. In the Link name box, enter a name for the link as the link name should appear to the user.
   Domino automatically appends a DIR extension to the file name for a directory link and an NSF extension for a database link.
4. Next to "Link to a," choose Folder for a directory link or Database for a database link.
5. In the "Path and filename to that folder or database" box, enter the complete path to the directory or database to which the link points. Be sure to move the database named in this step to the directory you specify here.
   For example, for a directory link, enter the directory path, D:\PROJECT\SALES. For a database link, enter the complete directory and file name path, D:\PROJECT\SALES\SALES.NSF.
6. (Optional) To restrict access to a linked directory, enter the names of specific users to whom you want to grant access in the "Who should be able to access this link?" box. Click the person icon to select the names or groups from the Domino Directory that you want to have access to the link.

Note The database ACL, not the database link, controls access to individual databases that have database links.
7. Click OK.
8. To verify that the link was created, click the refresh icon.
9. (Optional) To prevent Web browser users from using directory links, edit the NOTES.INI file to include this setting:
   DominoNoDirLinks=1

To delete a link
1. From the Domino Administrator Server list, select the name of the server.
2. Click the Files tab, and then select the directory or database link to delete.
3. Choose Tools - Folder - Delete, and then click Yes.
4. To verify that the link was deleted, click the refresh icon. View the result in the Results pane.
**Database.NSF.Replicate statistics**

The Domino Administrator documentation does not contain information on the Databases.NSF.Replicate statistics. This information is being added to the Domino Administrator documentation.

**Server statistics and replication status**

One of many types of server statistics are the replication statistics that indicate the status of replication attempts that occur on the Domino server. To view the server statistics, including those pertaining to replication, type this command from Domino Administrator or at the Domino server console:

**Show stat**

The server console displays a list of all server statistics that are collected on your server. The following replication-related statistics may appear:

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NotesMergedBack</td>
<td>The destination note sequence is actually higher than the source. Domino will assume a replication merge happened here and update the source as well</td>
</tr>
<tr>
<td>NotesReceived</td>
<td>If the NSF Database is the source database</td>
</tr>
<tr>
<td>NotesReopened</td>
<td>There is a possible replication conflict; Or Domino couldn't find a corresponding item for an incremental note, therefore domino can't perform an incremental update and will try again with a full note open.</td>
</tr>
<tr>
<td>NotesSent</td>
<td>If the NSF Database is the destination database</td>
</tr>
</tbody>
</table>

**Desktop policy settings document - documentation update**

The Domino Administrator online help has been updated to include information on the field "If running this version of Notes." This field is in the desktop policy settings document - Mail Template Information section. Step 6 of the procedure "Creating a desktop policy settings document" has been updated.

6. Under Mail Template Information, complete these fields if you are converting from a previous Domino mail template:

<table>
<thead>
<tr>
<th>Field</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prompt user before upgrading mail file</td>
<td>Do one:</td>
</tr>
<tr>
<td></td>
<td>- Check yes to inform users before upgrading their mail files. Allows users to defer upgrade.</td>
</tr>
<tr>
<td></td>
<td>- Uncheck (default) to upgrade without notification.</td>
</tr>
<tr>
<td>Old design template name for your mail files</td>
<td>The default asterisk (*) uses any mail template.</td>
</tr>
<tr>
<td></td>
<td>(Optional) Enter the name of the current template you are using.</td>
</tr>
<tr>
<td>If running this version of Notes:</td>
<td>Enter the build version of the Notes client in the format</td>
</tr>
</tbody>
</table>
|                                            | Release Vnn Month dd, yyyy (for example, Release 6.5.1 January 21, 2004). To upgrade all versions, use an asterisk *.
<p>|                                            | Tip To find the build version, use Help - About Domino Administrator.  |</p>
<table>
<thead>
<tr>
<th>Field</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use this Mail template</td>
<td>Enter the new mail template file name.</td>
</tr>
</tbody>
</table>
| Ignore 200 category limit     | By default the number of folders created during conversion is limited to 200 folders. Do one:  
|                               | ● Check yes to override that limit and create as many folders as necessary (default).  
|                               | ● Uncheck to enforce the limit.                                         |
| Mail file to be used by IMAP mail clients | Do one:  
|                               | ● Check if mail file will be used by an IMAP mail client.  
|                               | ● Uncheck if IMAP will not be used (default).                           |
| Upgrade the design of custom folders | The conversion does not upgrade private folders automatically. Do one:  
|                               | ● Check yes to include custom folders in the design upgrade (default).  
|                               | ● Uncheck to exclude custom folders in the design upgrade.             |
| Prompt before upgrading folder design | Do one:  
|                               | ● Check yes to inform users before upgrading their mail folder design. Allows users to defer upgrade.  
|                               | ● Uncheck (default) to upgrade folder design without notifying users.   |
| Notify these administrators of mail upgrade status | If you chose to notify users before updating mail template or folders, enter the names of administrators who should receive status information. |
Detecting when a mail file exceeds its quota

The Domino Administrator documentation contains the topic "Detecting when a mail file exceeds its quota." The table in Step 3 of the procedure contains information for the setting, "Check space used in file when adding a note." The information has been modified to include a new first paragraph as shown here.

<table>
<thead>
<tr>
<th>Method for enforcing quotas</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check space used in file when adding a note</td>
<td>This setting is most commonly used by the Router when calculating mail file size, but it can be used by any process that is updating one or more notes on a server. For example, when a mail message is sent for delivery and the message is saved in the Send folder, the Notes client initiates saving the sent mail message on a server-based mail file, and the server then processes the note update. The Router calculates the current size of a mail file from the amount of space that messages occupy in the database and determines whether mail files are in compliance with configured warning thresholds or quotas based on this calculation. White space in the database is discounted. If the user is over quota and quota enforcement is enabled, no new messages are delivered. If the mail file is close to its quota, the Router continues to deliver messages only until their cumulative size exceeds the quota; thereafter, messages are held or rejected, depending on the enforcement setting. When a user deletes a message, the space occupied by that message is immediately removed from the calculated size of the mail file. There is no need to run the Compact task to recover space. Users who cannot receive mail because of a quota violation can reduce the current size of the mail file immediately by archiving or deleting messages. If transaction logging is enabled on the server, select this method of enforcement, because it does not require administrative intervention to compact mail files.</td>
</tr>
</tbody>
</table>

Dircat task - partial rebuild documentation update

In the Help topic "The Dircat task", in the section titled 'Partial rebuilds', the paragraph should be amended as follows:

If the replica of a source Domino Directory the Dircat task uses is deleted, and then replaced with a file operating system copy with the same replica ID, then the Dircat task does a partial rebuild, which involves comparing all documents in the new file system copy of the Domino Directory to the corresponding contents in the directory catalog, to look for changes. The Dircat task also does a partial rebuild if the Fixup task deletes corrupted documents from a source Domino Directory which are then replaced through replication. A partial rebuild is a longer process than an update, but takes less time than a full rebuild. This is true of any replica of the Domino Directory that the Dircat task aggregates. If a replica of a Domino Directory is replaced with a file operating system copy with the same replica ID, when the Fixup task runs on that replica those changes are replicated back to the aggregation server’s Domino Directory. This in turn flags the Dircat task to do a partial rebuild on the aggregation server.
Administrator Client, Server

Disable ADSync before uninstalling the Domino Administrator

If you have set up and registered Active Directory synchronization, prior to uninstalling the Domino Administrator, you must unregister Active Directory synchronization.

1. Close the Administrator Client and the Active Directory MMC.
2. From the system prompt, unregister the nadsync.dll library by entering one of these commands:
   
   ```
   regsvr32 /u <notes program path>nadsync.dll
   ```
   OR by entering
   
   ```
   cd <notes program path>
   regsvr32 /u nadsync.dll
   ```
3. Uninstall the Administrator Client.
4. Delete any remaining Notes folders on the file system.
5. Launch regedit and search for all adsync entries. Delete any adsync entries that are found.

Administrator Client, Server

Disabling IBM Lotus Instant Messaging during Scriptable setup

You can disable IBM Lotus Instant Messaging during a scriptable install of the Notes client. To do so, you need to complete these steps

1. Create a file, SETUP.TXT, that contains the following parameters and values:
   
<table>
<thead>
<tr>
<th>Parameter and value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IM.Server=FalseServerName</td>
<td>If you do not enter a value for the IM.Server, the user will be prompted to do so during the install process. Specifying a false server name prevents the user from being forced to enter a server name or cancel the install.</td>
</tr>
<tr>
<td>IM.Port=80</td>
<td>The IM port number. This can be any positive number.</td>
</tr>
<tr>
<td>IM.Connectwhen=2</td>
<td>The IM.Connectwhen setting configures the Notes client to attempt a login to an IM server only if the user chooses to log in. By default, the Notes client is configured to attempt to log in to the IM server when the user logs in to the Notes client.</td>
</tr>
<tr>
<td>IM.Protocol=1</td>
<td>Defines whether you connect directly to IM server. IM.Protocol=1 connects directory to the IM server.</td>
</tr>
</tbody>
</table>

For more information about the parameters in the table, see the topic Setting up Notes with a scriptable setup in the Domino Administrator documentation.
Documentation update - Don't allow URL open

The following information should have appeared in the Domino Administration Help section on "Managing User Access to Databases".

If you design a database application that users will access with a browser, you may want to restrict browser users from using URL commands that would open forms and views in your application. For example, you can design your application so that a servlet that uses forms or views will only use the forms and views using URL commands. With the "Don't allow URL open" property set, it will be impossible for browser users to manipulate these application components using Domino URL commands.

To restrict users from opening parts of an application using URL commands

1. Select a database and choose Design · Design properties.
2. In the Web Access section of the Database properties box, select "Don't allow URL open."

The set of URLs that gets restricted is http://Host/Database.nsf/*Command. This set of URLs includes any command that will open a database such as http://Host/Database.nsf and all URL commands that are prefixed with a ?, such as http://host/database.nsf?OpenDatabase. When this property is set, the error displayed is:

Error 500
HTTP Web Server Lotus Notes Exception - You are not authorized to access that database.

Documentation update - MailLogToEventsOnly

The Domino Administrator 6 online help and printed documentation requires this update to the Notes.ini variable appendix:

MailLogToEventsOnly
Syntax: MailLogToEventsOnly=value
Description: Use this variable to increase performance for logging mail event messages:

- 0 - Enables logging of mail event messages to the Domino console.
- 1 - Disables logging of mail event messages to the Domino console.

Applies to: Servers and workstations
Default: 0 - console logging enabled.
UI equivalent: None

Documentation update: partial rebuilds for Directory Cataloger

The topic "The DirCat task" in the section "Setting Up Directory Catalogs" has been updated to include the following in the section on Partial Rebuilds:

Note This is true of any replica of the Domino Directory that the DirCat task aggregates. If a replica of a Domino Directory is replaced with a file operating system copy with the same replica ID, when the Fixup task runs on that replica those changes are replicated back to the aggregation server's Domino Directory. This in turn flags the DirCat task to do a partial rebuild on the aggregation server.

Domino Network File Store not supported in Lotus Domino 6

Domino Network File Store (DNFS) is supported only in Domino R5, it is not supported in Lotus Domino 6.
Erroneous options in Task Status Event Generator topic

The options for what to monitor in the topic "Creating a task status event generator" are not correct. The correct options are:

- Monitor task down
- Monitor task up
- Monitor task stalled
- Monitor task unstalled

Forcing administration process requests to run

The recommended method of forcing an administration process request to run is to issue one of these commands from the Domino server console:

<table>
<thead>
<tr>
<th>Command</th>
<th>Abbreviated command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>tell adminp process new</td>
<td>tell adminp p ne</td>
<td>Processes requests scheduled as immediate or interval</td>
</tr>
<tr>
<td>tell adminp process immediate</td>
<td>tell adminp p im</td>
<td>Processes requests scheduled as immediate</td>
</tr>
<tr>
<td>tell adminp process interval</td>
<td>tell adminp p in</td>
<td>Processes requests scheduled as interval</td>
</tr>
<tr>
<td>tell adminp process daily</td>
<td>tell adminp p da</td>
<td>Processes requests scheduled as daily</td>
</tr>
<tr>
<td>tell adminp process delayed</td>
<td>tell adminp p de</td>
<td>Processes requests scheduled as delayed</td>
</tr>
</tbody>
</table>

These commands check ADMIN4.NSF for new unprocessed requests that match the criteria specified in the command. For example, the command "tell adminp process interval" checks ADMIN4.NSF for new interval requests and queues those requests as if the interval time has expired.

Do not use the command "tell adminp process all" due to performance issues that are created when you run that command. The "tell adminp process all" command simulates a restart of the administration process; therefore, this command waits until all previous requests are processed before starting the next request process. This "wait" is in the main thread of the administration process; therefore, new requests that are received after the console command is issued will wait as well, regardless of request schedule. This command slows the rate at which the administration process requests are run. This is especially true for requests that require a lengthy processing time, such as changing a name in an ACL.

iNotes_WA_STLinksCodebase=URL no longer applies

If you use the Domino Web Access NOTES.INI setting iNotes_WA_STLinksCodebase=URL to point to the URL from which to load the STLinks toolkit, then the following settings will not apply:

- iNotes_WA_SametimeProtocol
- iNotes_WA_SametimeServer (as well as lookup of a specific SametimeServer for a user).

It is recommended that you use iNotes_WA_SametimeProtocol or iNotes_WA_SametimeServer to resolve any Sametime setup issues, and use iNotes_WA_STLinksCodebase=URL only if the first two settings are not successful.

For information on the setting iNotes_WA_SametimeProtocol, see the release note "Configuration settings for Sametime on Domino Web Access." For information on the configuration setting iNotes_WA_SametimeServer, see "NOTES.INI Settings" in the Reference section of Domino Administrator help.
Administrator Client, Server

**Installing or upgrading as a restricted user**
The Domino Administrator documentation for 6.0 and more recent contains the topic "Before you upgrade the Notes client." The topic contains a list of items including this one:

- Windows NT, 2000, and XP users should log onto their computers with administrative rights to install Lotus Notes 6. For cases in which administrative rights are not available, enable the setting "Always install with elevated privileges." Refer to the Release Notes for the most current information on permissions required when installing as a non-administrator.

That information should be expanded to read as follows:

- Windows NT, 2000, and XP users should log onto their computers with administrative rights to install Lotus Notes 6. For cases in which administrative rights are not available, enable the setting "Always install with elevated privileges." The setting "Always install with elevated privileges" is a Windows setting that is part of Windows's User Policies. Refer to your Microsoft Windows documentation for details. Refer to the Release Notes for the most current information on permissions required when installing as a non-administrator.

The Domino Administrator documentation contains the topic "Setting up client installation for users." The topic contains a list of items that includes the following:

- Windows NT, 2000, and XP users should log onto their computers with administrative rights to install Lotus Notes 6. For cases in which administrative rights are not available, enable the setting "Always install with elevated privileges." Refer to the Release Notes for the most current information on permissions required when installing as a non-administrator.

The information should be expanded to read as follows:

- Windows NT, 2000, and XP users should log onto their computers with administrative rights to install Lotus Notes 6. For cases in which administrative rights are not available, enable the setting "Always install with elevated privileges." The setting "Always install with elevated privileges" is a Windows setting that is part of Windows's User Policies. Refer to your Microsoft Windows documentation for details. Refer to the Release Notes for the most current information on permissions required when installing as a non-administrator.

Administrator Client, Server

**Internet Site documents -- documentation enhancement and update**
The Domino Administrator 6 online help and printed documentation requires an enhancement to the topic "Internet Site documents" in the "Installing and Setting Up Domino Servers" section of the documentation.

The following information is being added to the documentation:

The Domino server is configured to use Internet Site documents if the option "Load Internet configurations from Server\Internet Sites documents" is enabled on the Basics tab on Server document. If the option is not enabled, the server defaults to Server document settings to obtain configuration information for Internet protocols.

Internet Site documents are designed to be used as follows:

- For any incoming connection, Internet Site documents, Certifier documents and Global Domain documents are used to determine which organization (certifier) is associated with the target IP address. In the xSP configuration, this is important because the Site document determines the hosted organization. In a non-xSP Domino configuration, all incoming IP addresses usually map to the top level certifier.

- For a specific organization and a specific protocol and a specific server, the Internet Site document is used to determine which authentication controls are to be applied.

When you enter a Host name or IP address in an Internet Site document, you do not gain control over which authentication controls are applied according to the IP address the user connects to. Instead, the first Internet Site document located for the server and the organization is used. As a result, except for Web Site documents, you should have only one Internet Site document for each organization, protocol, and server combination.
For example, do not do the following:
Server A has two IP addresses and you create the following two Internet Site documents for POP3:

- One Internet Site document for one IP address with no SSL allowed
- One Internet Site document for another IP address, with SSL allowed.

The IP address is used to determine the organization and both Internet Site documents apply to the same organization. The first Internet Site document that matches the server and the organization is used, in this case, the Internet Site document that does not allow SSL.

Administrator Client, Server

**Load compact command - documentation update**

The Domino Administrator online and printed documentation contains an error in the topic “Running Compact using a console command.” The documentation indicated that you could enter a series of database names with the Load Compact command. This is not true. The first entry (first row) of the table is revised.

The revision is as follows:

<table>
<thead>
<tr>
<th>To compact</th>
<th>Example command</th>
<th>Files compacted</th>
</tr>
</thead>
<tbody>
<tr>
<td>A specific database in the Domino data folder</td>
<td>Load compact SALES.NSF</td>
<td>DATA\SALES.NSF</td>
</tr>
<tr>
<td>All the databases in a folder relative to the Domino data folder</td>
<td>Load compact SALES</td>
<td>DATA\SALES\all databases</td>
</tr>
<tr>
<td>A specific database in a folder relative to the Domino data folder</td>
<td>Load compact SALES\USER1.NSF</td>
<td>DATA\SALES\USER1.NSF</td>
</tr>
<tr>
<td>All the files specified in a .IND file created in the Domino data folder</td>
<td>Load compact WEEKLY.IND where WEEKLY.IND contains: SALES.NSF, DEV.NSF, SALES\USER1.NSF, SALES\NEW</td>
<td>DATA\SALES.NSF, DATA\DEV.NSF, DATA\SALES\USER1.NSF, DATA\SALES\NEW\all databases</td>
</tr>
</tbody>
</table>

Administrator Client, Server

**Mail conversion utility enhancement**

Domino’s mail conversion utility can be used to upgrade a user’s mail file design, convert a mail file design from one language to another language, and to migrate mail files from Microsoft Exchange. In Domino 6, the mail conversion utility could be used only to upgrade the user’s mail file design. In the Domino Administrator 6 documentation, see the topic “Upgrading mail files with the mail conversion utility” for more information.

**Mail conversion utility -- usage and options**

load (n)convert -? /? -a -c -d -e -f -g -h -i -l -m -n -o -proxy -r -s -u -w -x arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-a &lt;Admin Name&gt;</td>
<td>Enables sending mail to the administrator when the convert tool completes.</td>
</tr>
<tr>
<td>-c</td>
<td>Converts categories to folders, even if already a v4 database.</td>
</tr>
<tr>
<td>-d</td>
<td>Do not convert categories to folders.</td>
</tr>
<tr>
<td>-e or -e-</td>
<td>Enables or disables NSF support for IMAP.</td>
</tr>
<tr>
<td>Argument</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>-f &lt;file name&gt;</td>
<td>Reads the list of databases to process from a text file.</td>
</tr>
<tr>
<td>-g&quot;&lt;Language Name&gt;&quot;</td>
<td>Replaces the mail file design with user’s preferred language.</td>
</tr>
<tr>
<td>-h</td>
<td>Converts categories to folders, even if there are more than 200 categories.</td>
</tr>
<tr>
<td>-l &lt;file name&gt;</td>
<td>Generates a list of mail files by reading people’s mail files from the Domino rectory. Writes the list to a text file.</td>
</tr>
<tr>
<td>-m</td>
<td>Enables or disables folder references which are needed for IMAP.</td>
</tr>
<tr>
<td>-n</td>
<td>Shows the databases that match the file name and template name criteria, without actually updating anything.</td>
</tr>
<tr>
<td>-o</td>
<td>Removes IMAP-specific items.</td>
</tr>
<tr>
<td>-proxy</td>
<td>Enables a display status and error messages in a console window.</td>
</tr>
<tr>
<td>-r</td>
<td>Enables recursive search of databases.</td>
</tr>
<tr>
<td>-s</td>
<td>Ignores the preserve flag for folders when replacing the design but always preserve them.</td>
</tr>
<tr>
<td>-u</td>
<td>Enables the upgrade of folders to the same design as the $inbox design.</td>
</tr>
<tr>
<td>-w &lt;dir path&gt;</td>
<td>Enables fix up of names in notes in all Mail Files on the server to allow for Microsoft Exchange Mail Migration.</td>
</tr>
<tr>
<td>-x</td>
<td>Enables exclusive design element keys: &lt;NAME&gt;&lt;CLASS&gt;&lt;LANGUAGE&gt;</td>
</tr>
<tr>
<td>-? /?</td>
<td>Displays help information. Displays command line help.</td>
</tr>
</tbody>
</table>

Examples:

<table>
<thead>
<tr>
<th>Task</th>
<th>Enter this command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade V6 mail design to V7 mail design:</td>
<td>load nconvert testmail.nsf mail6.ntf mail7.ntf</td>
</tr>
<tr>
<td>Upgrade old mail design and folders to V7 mail design:</td>
<td>load nconvert -u testmail.nsf * mail7.ntf</td>
</tr>
<tr>
<td>Change the English mail design to German mail design:</td>
<td>load convert -g&quot;German&quot; TestMail.nsf * mail7_en_de.ntf</td>
</tr>
<tr>
<td>Generate current mail user’s file list on this server:and write it to the file maillist.txt</td>
<td>load convert -l maillist.txt</td>
</tr>
<tr>
<td>Upgrade all previous users’ mail designs listed in the file maillist.txt to Domino V7 mail design:</td>
<td>load convert -u -f maillist.txt * mail7.ntf</td>
</tr>
<tr>
<td>Performs address fix-up for all Exchange-migrated mail databases in &lt;dir path&gt; and its sub-directories.</td>
<td>load convert -w &lt;dir path&gt;</td>
</tr>
<tr>
<td>Task</td>
<td>Enter this command</td>
</tr>
<tr>
<td>------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Performs address fix-up on the given Exchange-migrated mail database.</td>
<td><code>load convert -w &lt;mail db path&gt;</code></td>
</tr>
<tr>
<td>Generates a text list containing all Exchange-migrated mail databases from the primary mail directory, excluding replicas. This feature is of lesser-importance than address fix-up, but it is necessary in the event that the subsequent option is required.</td>
<td><code>load convert -w -l &lt;text list path&gt;</code></td>
</tr>
<tr>
<td>Performs address fix-up on all Exchange-migrated mail databases listed in the given text list file. Provides flexibility in allowing the administrator to manage the databases that need address fix-up.</td>
<td><code>load convert -w -f &lt;text list file&gt;</code></td>
</tr>
</tbody>
</table>

**Multi-user install with multiple language Notes clients**

The Domino Administrator documentation contains the topic "Multi-user installation." That topic has been enhanced to include the following subtopic:

**Multi-user install with multiple language Notes clients**

You can install multiple copies of the Notes client in multiple languages on one operating system. The language files are installed in each MUI\language directory. For example, in a multi-user installation, if you first install a French Notes client and then install a Japanese Notes client the user interface (UI) files are installed in individual directories such as these:

```
\Program Files\Lotus\Notes\MUI\fr
\Program Files\Lotus\Notes\MUI\ja
```

The templates, modem, and help files are installed in the next directory, as shown

```
\Document Setting\All Users\Application Data\Lotus\Data\Shared\mui\fr
\Document Setting\All Users\Application Data\Lotus\Data\Shared\mui\ja
```

When a user starts the Notes client for the first time, the UI and database language are determined by the user’s locale setting. If the locale language is not found in the directory \mui, the English user interface is used and English databases are created to set up the Notes client.

**Multiple group names field description and limitations**

When creating a Group in Domino Administrator (People & Groups tab -> Directory -> Groups -> Add Group), the field "Group Name" on the Basics tab of the Multi-Purpose Group screen has a mouse-over description stating 'Group name (multiple names may be separated by commas)'. This description can be accessed by clicking on the "GroupName" field label.

Additional information regarding this field is provided below:

- If multiple group names are entered into this field, separated by commas or by semi-colons, they resolve to multiple names separated by semi-colons.
- Any of the group names may be used to address the group. Names other than the first name in the Group Name field will resolve to the first name, and mail will be delivered to members of the group.
- When searching the Domino Directory for any of the group names other than the first name entered in the field, the name will not be found, and the first name in the field will not be offered up as a match.
Administrator Client, Server

**Multiple password certifier ID restricted during server setup**

During Domino server setup, do not choose a certifier ID that has multiple passwords assigned to it. Doing so generates an error message and causes server setup to halt.

Administrator Client, Server

**Notes equivalents for migrated Microsoft Exchange data**

The Domino Administrator documentation and the Upgrade Guide contain the topic "Notes equivalents for migrated Microsoft Exchange data." The note at the end of table in the topic has been changed to read as follows:

* Contacts, which are stored on the Exchange server, are available for Outlook clients only. During migration Contacts information is placed in a Notes Personal Address Book database, which is automatically mailed to the user and placed in the user's Drafts folder. Users run the upgrade wizard for Microsoft Exchange to copy information from this temporary database to the Personal Address Book on the Notes client.

Administrator Client, Server

**Notes single logon not supported with roaming users**

IBM Lotus Notes single logon is not supported for use with roaming users.

Administrator Client, Client, Server

**Notes Single logon restrictions**

This release note explains the Notes Single Logon restrictions for the following:

- Machine name cannot equal OS login name with Notes single logon
- Operating system (OS) and Domino password policies
- Location of the NOTES.INI file and Notes user ID file

**Machine name cannot equal OS login name with Notes single logon**

Domino/Notes Client Single Logon feature does not work when the OS login name is identical to the machine name, and you are logging on using the OS name. If Client Single Logon is not working properly on your system, change your OS login user name or your machine name.

For information on how to change either name, refer to your Microsoft Windows documentation, or see your Network Administrator.

**Note** This release note applies to all Domino/Notes releases that support Client Single Logon.

**Operating system (OS) and Domino password policies**

During OS password changes, the Notes Network Provider must be able to change the Notes ID to the new password provided by the OS. Notes is notified of the new OS password only after the OS password has been changed. If the new OS password does not meet the Notes password quality and history requirements, the Notes password change will fail.

During Notes password changes, the Notes Client must be able to change the OS password to the new Notes password. If the new Notes password does not meet the OS password quality and history requirements, the OS password change will fail.

OS and Domino password policies must be aligned as closely as possible to allow password synchronization to work.
Location of the NOTES.INI file and Notes user ID file

For bidirectional password synchronization, the Notes Network Provider must be able to access a user's NOTES.INI file and Notes ID file. The table below shows the required location for the NOTES.INI file:

<table>
<thead>
<tr>
<th>Install Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single User</td>
<td>The NOTES.INI file must exist in the Notes directory as specified in the HKEY_LOCAL_MACHINE registry key.</td>
</tr>
</tbody>
</table>
| Multi-user   | The NOTES.INI file must be specified in the HKEY_USERS registry key: 
\(<\text{sid}>\SOFTWARE\Lotus\Notes\6.0\NotesIniPath\) |

Operating system (OS) password changes, that is, password changes that are initiated outside of IBM Lotus Notes, occur in the system access control environment; therefore, the NOTES.INI file and the Notes ID file must reside on a local drive.

Administrator Client, Domino Web Access

**Passwords do not need to match for Domino Web Access**

Beginning with release 6.0.1, Notes and Internet passwords do not need to match in order to read encrypted mail in Domino Web Access. However, it is recommended that whenever credentials to your Notes ID change, for example your password, certificates, public keys, and so on, that you re-import your Notes ID into Domino Web Access so you are using the most current version of your Notes ID.

Administrator Client

**PrinterPixelPreview to view page breaks in Notes print preview**

Syntax: PrinterPixelPreview=value

**Description:** Use the NOTES.INI setting PrinterPixelPreview=1 to get an accurate view of where page breaks occur when using the Notes print preview feature. Use PrinterPixelPreview=0 or remove this variable from your NOTES.INI file to disable this feature.

- 1 - Enabled
- 0 - Disabled

The speed with which print preview displays may be slightly slower when this variable is enabled, but it provides the most accuracy in print preview.

**Applies to:** Servers

**Default:** None, although without the setting, Notes print preview may not accurately reflect page breaks.

**UI equivalent:** None

Administrator Client, Server

**Processing IBM Workplace client certificate requests**

Future releases of IBM Workplace will be able to use the Domino 6 CA to request Internet client certificates. While the certificate request process is similar to the native Domino process, there are some notable differences.

A Workplace user requests an Internet certificate by sending an email to the Certificate Request database (certreq.nsf) of the CA from which the certificate is being requested. The email is signed by a Workplace agent, which vouches for the identity of the requester.

Another database agent converts the email to a certificate request, which then undergoes the normal certificate request process. When the certificate is approved, it is returned to the Certificate Request database. Another agent then mails the certificate back to the original requester.
The approval process for WP requests differs in that the Domino administrator must manually approve or reject the email request in the Certificate Request database. The administrator does not have to be listed as an RA for the certifier. If the request is approved, then the certificate is sent to the Administration Request database for processing.

IBM Workplace communicates with the Domino CA through a Workplace PKI adapter. The adapter actually signs and sends the certificate requests to the Domino CA, and processes the issued certificates.

The first time a certificate request is sent to the Domino CA, the PKI adapter actually sends a certificate request for itself to Domino. The certificate issued to the adapter as a result of this request is the adapter's signing certificate, which is used by the adapter to sign client certificate requests submitted to the Domino CA. The Domino PKI adapter's certificate request is itself unsigned, however, and is the only unsigned certificate request submitted to the Domino CA.

### Administrator Client, Server

**Registering new Microsoft Windows 2000 users in Domino**

The Internet Address field description in the procedure "To register new Windows 2000 users in Domino" is updated as follows:

| Internet address | The default Internet address as derived from the Windows user login name, for example, KCarter@domain.com. When the user is registered in Notes, the domain name from the user's registration policy settings document is appended. |

### Administrator Client, Server

**Registering users from a text file - documentation update**

The IBM Lotus Domino administrator online and printed documentation contains the topic "Registering users from a text file" The "Forwarding address" field description is modified as now appears as follows:

| 13 | Forwarding address | The full route to the user -- for example, JSmith@acme.com. If you don't enter this information in the text file, you can edit the Forwarding address field in the user's Person document. This parameter is used only for Other and Other Internet mail users. |

### Administrator Client, Server

**Restricted field names in full-text indexing**

Some field names are not supported in full-text indexing. Do not use these field names when creating forms in databases because these fields are not searched in full-text indexing:

- $Revisions
- RouteTimes
- $Hops
- UserCertificate
- Certificate
RFC 822 with outbound Internet mail -- documentation correction
There is a correction to the topic "Configuring outbound Internet mail to use RFC 822 address format (phrase parts)" in the Domino Administrator documentation. For Domino release 6.0 and more recent, the phrase part portion of the address format does not contain quotes, The revised documentation is as follows:

The options for this field are as follows:
- **Do not add phrase** -- (Default setting) Outbound mail displays the sending user's RFC 821 address. The Router permits user-defined phrases in recipient addresses.
- **Use DN as phrase** -- Constructs an RFC 822-style address using a phrase part derived from the person's hierarchical, distinguished name; for example, John Jones/Sales/ACME <JJones@acme.com>. The Router permits user-defined phrases in recipient addresses.
- **Use alt. name if available - otherwise DN** -- If an Alternate name is specified in the user's Person document, constructs an RFC 822-style address using it as the phrase part; otherwise uses the hierarchical, distinguished name; for example, "John Jones/Sales/ACME" <JJones@acme.com>. The Router permits user-defined phrases in recipient addresses.
- **Remove Phrase** - The Router strips user-defined phrases in recipient addresses. Only RFC 821-style addresses are allowed.
- **Use CN as phrase** -- Constructs an RFC 822-style address using a phrase part derived from the person's common name; for example, John Jones <JJJones@acme.com>. The Router permits user-defined phrases in recipient addresses.

Rolling out Corporate Welcome Pages - documentation update
If you design and create or if you update a Corporate Welcome Page, but you do not immediately deploy it to users, you can use the administration process to deploy it at a later time. The actual update and distribution of the Corporate Welcome Page can be initiated by using the server console command "tell adminp p all."

Some modifications to Welcome pages are deployed to users, while other changes are not.
- When deploying Welcome pages, changes to the design are not deployed to users.
- Only Welcome pages created and updated by the administrator (and those whose titles begin with a "$") are deployed to users.
- Adding a link to the Launcher can only be done locally. Changes to the Launcher are not deployed to users.
- Design changes can only be made locally.

Server.Load -- Max number of threads is 1500
The maximum number of threads per Server.Load workload has been raised from 512 to 1500. This change applies to Lotus Domino releases 6.0.4 and all subsequent releases.

Setting advanced delivery and transfer controls - correction
The topic "Setting advanced transfer and delivery controls" contains erroneous information.

The information for the setting "Restrict name lookups to primary directory only" in the table in step 7 is incorrect. This field does not affect how the Mailer resolves the name lookup. It is used only by the Router to perform a lookup in the Domino Directory for the server's Notes domain to establish if a user or group exists for inbound mail.

The correct information for that setting should read as follows:
- **Enabled** - The router can only look up names and groups in the Domino Directory for the server's Domino domain. The router can not look up names and groups in other directories that are available through Directory Assistance or Directory Catalog.
- **Disabled** - (default) The router can look up names and groups in any directories available from the server.
Administrator Client, Server

**Setting quota controls for the Router**
The Domino Administrator documentation contains an update to the description of the per time interval setting in Configuration Settings document. The field "Over Quota Notification" in Step 6 of the procedure "Setting quota controls for the Router" has been modified to read as follows:

<table>
<thead>
<tr>
<th>Over Quota Notification</th>
<th>Specifies how often the Router delivers notifications to users who exceed their quota.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Choose one:</td>
</tr>
<tr>
<td></td>
<td>● None - The Router does not deliver notifications when mail files grow larger</td>
</tr>
<tr>
<td></td>
<td>than the specified warning threshold.</td>
</tr>
<tr>
<td></td>
<td>● Per Message - The Router delivers a notification for every message it delivers</td>
</tr>
<tr>
<td></td>
<td>after the mail file exceeds the specified quota.</td>
</tr>
<tr>
<td></td>
<td>● Per time interval - When a message delivery is attempted and no notifications</td>
</tr>
<tr>
<td></td>
<td>were sent during the previous time interval, the Router sends an &quot;over quota&quot;</td>
</tr>
<tr>
<td></td>
<td>notification to the user's mail file. Over quota notifications are triggered by</td>
</tr>
<tr>
<td></td>
<td>normal mail delivery; therefore, over quota notifications may not be sent at the</td>
</tr>
<tr>
<td></td>
<td>exact time interval setting. The Router limits the number of notifications sent to</td>
</tr>
<tr>
<td></td>
<td>one notification during each time interval.</td>
</tr>
</tbody>
</table>

Administrator Client, Server

**Setting unread mark options**
The Domino Administrator online documentation now contains an update to the unread marks information.

**Setting unread mark options**

*Note*  
Access these database properties by choosing File - Database - Properties and then clicking the details tab. (The icon on this tab is a beanie.)

The Database dialog box contains a set of Unread Mark Options that you can use to maintain or not maintain unread marks, and to specify if unread marks with replicate to other servers. If you select the database property, Don't maintain unread marks, unread marks are not maintained for the database and the replicate unread marks settings are disabled. If you do not select the database property, Don't maintain unread marks, the replicate unread marks settings are enabled. You can do one of the following:

- Choose Never -- Unread marks are never replicated
- Choose Clustered servers only -- Unread marks are replicated for databases residing on servers that are cluster mates of the current server.
- Choose All Servers -- Unread marks are replicated for databases on all servers.

Administrator Client, Domino Web Access

**Setting up Domino Web Access with Sametime error**
The Domino Administration help topic "Setting up Domino Web Access with Sametime" incorrectly identifies the Sametime directory as the location from which to copy SametimeApplet files. Use the information here instead.

**Part 8 - Copy the Sametime server related files between Sametime servers and Domino servers**
In Domino 6.5 for a mixed environment with users who have mailfiles based on iNotes5 and iNotes6 (not supported on Mozilla), copy the contents from the SametimeApplet folder on the Domino Web Access server to the same location on the Sametime server. The SametimeApplet folder is located in the `<data directory>\domino\html` directory.
Administrator Client, Server

**Smart Upgrade Kits available only in global English**

The Smart Upgrade Kits that are used with IBM Lotus Domino Smart Upgrade when upgrading the Notes client are only available in the global English language. The Smart Upgrade Kits are referenced in these topics in the Domino Administrator documentation and the Upgrade Guide:

- Creating a Lotus Notes Smart Upgrade database
- Adding update kits to the Lotus Notes Smart Upgrade database
- Using IBM Lotus Notes Smart Upgrade
- System and Application templates
- The F1 help text for the Basics tab of the Server document

**Note:** In a non-English environment, the Notes Client Web Kit can be substituted for the Smart Upgrade Kit.

Administrator Client, Server

**Starting and stopping the ISpy task**

The Domino Administration Help topic "Starting and stopping the ISpy task" includes erroneous information. The information below is correct.

Because the I Spy task is case-sensitive, you must enter the name of the task exactly as shown in this table.

<table>
<thead>
<tr>
<th>To do this</th>
<th>Perform this task</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start the I Spy task automatically when the server starts</td>
<td>Edit the ServerTasks setting in the NOTES.INI file to include runjava I Spy.</td>
</tr>
<tr>
<td>Start the I Spy task manually</td>
<td>Enter the command load runjava I Spy at the console.</td>
</tr>
<tr>
<td>Stop the I Spy task</td>
<td>Enter either the command tell runjava I Spy unload or tell runjava quit at the console.</td>
</tr>
</tbody>
</table>

Administrator Client, Server

**Store roaming user IDs in Domino Directory**

If you are registering roaming users, on the ID Info tab of the Register Person - New Entry dialog box, choose "In Domino Directory" as the location for storing user IDs to enable roaming users to access their Notes IDs from their personal Name and Address Book. If you do not choose the 'In Domino Directory' option, roaming users must either store their Notes ID on a file server or physically carry their Notes ID with them on a diskette or other storage media. If you elect to store the user ID in file and in the Domino Directory, the user IDs are stored in the user's personal Name and Address Book.

If you create roaming users and do not elect to store their user IDs in the Domino Directory, but later decide to store those user IDs in the Domino Directory, disable the roaming user option, and then select the option to store the user ID in the Domino Directory and enable the roaming user option again.

Administrator Client, Client, Server

**The "Create shared folders/views" ACL option**

The Domino Administration Help topic "Create shared folders/views", currently states the following:

"Deselect this privilege to maintain tighter control over database design. Otherwise, a user assigned this privilege can create folders and views that are visible to others."

In fact, the "Create shared folders/views" option in the ACL actually allows users to create, modify, or delete any Shared Folder, View, or Navigator in the database when this ACL privilege is enabled.
Administrator Client, Server

**Update to Notes.ini variable Log**

The parameters listed below are now obsolete for the server Notes.ini variable "Log."

2. Force database fixup when opening the log file
4. Full document scan

Administrator Client, Server

**Use full server name for server-to-server replication**

Do not use the server's common name when replicating servers. Only the server's full hierarchical name should be used during server-to-server replication. This applies to all instances of server-to-server replication. For example, when replicating from the server console, Connection documents, or from the Domino Administrator.

Administrator Client, Server

**Use Multi-purpose or Mail-only groups with Router/SMTP settings**

When you create or modify the SMTP and Router settings in the Configuration Settings document to use groups, be sure to enter group names that have a group type of Mail-only or Multi-purpose. These groups must be in the primary directory.

The settings for Router and SMTP are on the following tabs on the Configuration Settings document:

- Router/SMTP tab · Restrictions and Controls tab · SMTP Inbound Controls tab
- Router/SMTP tab · Restrictions and Controls tab · Restrictions tab
- Router/SMTP tab · Restrictions and Controls tab · SMTP Outbound Controls tab

*Note:* Deny List groups and Access Control List groups do not work with the SMTP and Router settings.

Administrator Client, Server

**Use policies to assign NOTES.INI or Location document settings**

You can use a desktop policy settings document to add or set NOTES.INI variables for Notes client users. This is an easy way to assign NOTES.INI variables to all Notes client users, or to a specific subset of Notes client users, at one time. You can also use desktop policy settings documents to set field values in Location documents for users.

To use a policy to assign a NOTES.INI value to Notes client users, use the Domino Designer to add a new field to the desktop policy settings document. The new field must be named $PrefVariableName, where VariableName is the name of the NOTES.INI variable you want to set. In the new field on the desktop policy settings document, enter the value you want assigned to that NOTES.INI variable. That is the value that is set in the NOTES.INI for the assigned Notes users.

For example, assume that you want to use a policy settings document to add a font size setting of 5 to your NOTES.INI file. To change the font setting, do the following:

1. From the Domino Designer, open the desktop policy settings document form.
2. Create a new field named $PrefDisplay_font_adjustment.
3. Assign a value of 5 to the field $PrefDisplay_font_adjustment.
4. Save and exit.

To set a Location document setting using a policy document, add a new field to the policy settings document. The new field must be named $LocAllVariableName, where VariableName is the name of the fields you are setting in the Location documents. In the new field on the policy settings document, enter the value you want assigned to that NOTES.INI variable. That is the value that is then assigned to all of the users' Location documents.

These new values are set on the assigned users' clients the next time they authenticate with their home server.

*Note* Some settings require that the Notes client be restarted in order for the settings to take affect. For more information about adding the new field to desktop policy settings document, see the Domino Designer documentation.
Administrator Client, Server

Using extended ACLs in a mixed-release domain

The topic "Interoperability issues" in the Upgrade Guide and in Domino Administration Help incorrectly states the following about using extended ACLs in a mixed-release domain: "To replicate changes from a Domino 5 server to a Domino 6 server, the Domino 6 server must pull the changes from the Domino 5 server."

The correct information is:

When extended access is enabled for a Domino Directory, changes made to a replica of the directory on a Domino Release 5 server never replicate to a Domino 6 server. The Notes 6 client prevents users from making changes to the replica on a R5 server. An R5 client can be used to make changes to the replica on the R5 server, but those changes never replicate to a Domino 6 server.

When extended access is enabled for a directory, changes made to a replica of the directory on a Domino 6 server can replicate to an R5 server. The Domino 6 server replicates to the R5 server only what the extended ACL allows the R5 server to access. Note that R5 servers can't enforce extended ACL restrictions. To prevent clients from using an R5 server to gain access to sensitive information that an extended ACL prevents them from accessing on a Domino 6 server, make sure the access the R5 server has in the extended ACL prevents replication of the information to the R5 server.

Administrator Client, Server

Using Language Pack Installer with Domino

If you plan to install Language Pack Installer (LPI) to run with Domino, you need to be aware of the following information before installing and setting up Domino and LPI.

To present a non-English language email interface to Domino users, the standard Domino environment is required, as well as the following:

- The appropriate non-English version of Microsoft Windows for the end user so that users can open file attachments that contain non-English (multiple-byte) characters in the file name. Providing the non-English version of Microsoft Windows, also ensures that non-English fonts are present on the system. Users can then read email subject lines and body text that are comprised of non-English characters.

- The appropriate non-English mail template that enables folder names, button labels, field labels and column headers to display in the non-English language. This is not required for users running a POP or IMAP client.

- A non-English Lotus Notes client to enable menu options and dialog boxes to display in the non-English language. This is not required for users running a POP, IMAP, or browser client.

- Non-English fonts for Lotus Notes to allow a user's workstation to display text encoded in the non-English character set when the user does not have the non-English version of Microsoft Windows.

Prior to installing and setting up LPI in your Domino environment, review the following information:

- Review the LPI file, README.TXT, to be aware of limitations and restrictions.

- Extract the language pack to a workstation and then run the appropriate SETUP.EXE file. Running the file, SETUP.EXE, initiates a Java wizard on the workstation which pushes the language pack to the server.

- While installing Language Pack Installer, choose the templates to which you are adding the non-English design element. (Use Domino Designer to view the language of each design element.) After installing the language pack, the selected templates have English and non-English design elements. If you manually replace a mail file's design using File - Database - Replace Design, you can specify English, or a non-English language for the mail file when prompted to do so in the dialog box.

- Before replacing the design of any mail files that contain custom folders, assign Manager access to the mail file to LocalDomainAdmins (or to a comparable group of which you are a member).

- After assigning Manager access to the appropriate group, manually run the agent, Update Folder Design, from the Actions menu in each mail file. When that is complete, run Fixup, Updall, and Compact -c on each mail file and then replace the mail file's design. Replacing the design before upgrading the folders causes the design replace to fail and results in the error "unable to find referenced note."
Do not remove the flag, Prohibit design replace, from folder design elements. Deleting the flag causes the folders to be deleted.

If you modify the selected Multilingual options in the database properties Design tab, the database will open extremely slowly. Always leave the Multilingual database property unchecked. (Access the database properties Design tab in the Domino Administrator client by clicking the Files tab, selecting a database, then choosing File - Database - Properties. Click the tab that has an icon of a hammer.)

Add non-English languages to the Domino Web Access template. Other templates are optional.

You can create a new template based on the design of INOTES6.NTF and specify only the non-English language. When the template is created, use the command, load convert, to update mail files from this new template. This does not apply when using Japanese 6.5.3. You can only apply Japanese by manually replacing the template design from INOTES6.NTF.

Non-English templates that are created using the template, INOTES6.NTF, can be used as single copy templates. This does not apply to Lotus Domino 6.5.3.

Enabling Unicode display in Lotus Notes

To allow users to work in some languages other than English, enable the setting "Enable Unicode display" in Lotus Notes.

1. From the user's Notes client, click File - Preferences - User Preferences.
2. On the Basics panel, in the Additional Options list, check the option, Enable Unicode display.
3. Click OK.

Install the non-English Lotus Notes client and the non-English fonts for Lotus Notes on each workstation. You can download both from the Passport Advantage site or the Business Partner Zone.

Note: The non-English mail template is installed with Language Pack Installer. You can also obtain the non-English mail template from the Passport Advantage site or the Business Partner Zone.

Using load convert -d when converting non-mail databases

If you are using the server's mail convert utility to convert non-mail databases (databases without a $Inbox folder), you must use the -d switch to prevent the conversion from creating new folders for each category in the database. For example, if you are upgrading personal name and address books that are stored on the server using the convert task, the conversion will create new untitled folders that contain all documents in the database.

Use the -d switch as a workaround for using the convert utility when converting non-mail databases.

Using transform files for end-user installations - correction

The Domino Administrator documentation contains the topic "Using transform files for end-user installations." The topic contains an obsolete parameter. All references to the parameter installdir are changed to progdir. If you attempt to change the program or data path using the obsolete parameter, installdir, the program or data path change will fail.

The following three occurrences of installdir should be changed to progdir:

In the first sentence of the subtopic "User interface (UI) installation" the revised sentence is: In this example, the "progdir" parameter and the "datadir" parameter are used to overwrite the default settings designated by the transform file.

In the example under the second bullet in the same subprocedure "User interface (UI) installation," the revised example is:

```
msiexec /i "Lotus Notes 6.msi" INSTALLDIR=C:\Test DATADIR=C:\Test\Data TRANSFORMS="custom.mst"
```

In the example under the second bullet in the subdirectory "Silent install," the revised example is:

```
msiexec /i "Lotus Notes 6.msi" /qn INSTALLDIR=C:\Test DATADIR=C:\Test\Data TRANSFORMS="custom.mst"
```
Administrator Client, Server

**Viewing database moves -- documentation update**

The Domino Administrator 6.5 online and printed documentation requires a correction to the subtopic “to view database moves in the Domino Change Control database” in the topic “Viewing database moves.” Step 1 has been revised.

The revised procedures is as follows:

**To view database moves in the Domino Change Control database**

1. From the Domino Administrator, click the Server Analysis tab.
2. Open the Domino Change Control - Plans view, and then choose one of the following views:
   - By Status -- if you know the status of the plan you want to view
   - By Author -- if you don’t know the status of the plan but you know who the author is
3. Find the target plan and expand the plan to view the database move sequences.
4. Expand any of the database move sequences and view the individual moves.

**Domino Designer Help**

**Designer**

**Windows 95 - Designer client not available**

Please note that the Domino Designer client is not available on the Windows 95 platform; only the Notes client is available for Windows 95. Any reference to Windows 95 in the Lotus Domino 6 Designer Help is incorrect.

For a complete list of supported platforms, please see “Notes and Domino 6 platforms and system requirements” in the ‘Things you need to know’ chapter of these release notes.

**Server**

**The R5 URL command "?OpenServer" is no longer supported**

The R5 URL command "?OpenServer" returned a list of all the databases on the target server. For example, if the user entered this request into a browser:

http://www.betafour.com/?OpenServer

or the abbreviated form:

http://www.betafour.com/?Open

the server would return a list of all Domino databases on www.betafour.com. In R5 the Web site administrator can disable the "?OpenServer" command by setting the Server record option "Allow HTTP clients to browse databases" to No.

As part of an overall effort to harden Domino against cyberattacks, the "?OpenServer" command has been removed entirely, starting with Domino 6. If you still require the functionality of the "?OpenServer" command you can implement the LotusScript agent solution discussed in the Lotus Developer Domain article ‘An alternative to the "?OpenServer" URL command’. You can download the agent from the Lotus Developer Domain Sandbox, and customize it for your specific requirements.
Server

**The R5 URL object $defaultNav is no longer supported**

In R5, the special object $defaultNav could be used in an ?OpenNavigator URL to obtain a list of all views in a database. For example, the following URL:

```
```

would return a list of all views in sales.nsf.

As part of the overall effort to harden Domino from cyberattacks, the $defaultNav object has been removed, starting with Domino 6. If you are maintaining R5 servers, please note that $defaultNav is also scheduled to be removed from R5.0.10.

Designer

**Displaying "hover" text for view icons**

For enhanced accessibility and usability of applications, when a user hovers the mouse pointer over a view icon, the icon image name displays. This feature is enabled as a user preference on the Notes client.

The following are some guidelines to consider when using view icons in an application:

- If you designate an existing view icon by number, the default icon description displays.
- When creating custom icons for use in view columns, assign meaningful image names because the names will be used as the hover text.
- If there are multiple icons in a column, hovering the mouse pointer over the icons displays as many icon descriptions as will fit across the user’s screen.

The following table lists the icons and the hover text that corresponds to each icon, by number:

<table>
<thead>
<tr>
<th>Icon #</th>
<th>Icon</th>
<th>Icon Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="icon1.png" alt="Image" /></td>
<td>Document Blue Icon</td>
</tr>
<tr>
<td>2</td>
<td><img src="icon2.png" alt="Image" /></td>
<td>Unopened Folder Icon</td>
</tr>
<tr>
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<td><img src="icon3.png" alt="Image" /></td>
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<td><img src="icon4.png" alt="Image" /></td>
<td>Group Icon</td>
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<td>5</td>
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</tr>
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<td>Red Invitation Icon</td>
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<td>Lotus Approach Icon</td>
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<td>Number 2 Icon</td>
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</tbody>
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Icon Name

153  Number 3 Icon
154  Number 4 Icon
155  Number 5 Icon
156  Cooking Icon
157  Thumbs down on document Icon
158  Handshake Icon
159  Gold Star Icon
160  Person waving hand Icon
161  Widget Icon
162  Question Icon
163  Confidential Icon
164  Encrypted Mail Icon
165  Blue Padlock Icon
166  Disguised Icon
167  Blue Checkmark Icon
168  Yellow Checkmark Icon
169  Red Medallion Icon
170  Yellow Medallion Icon
171  Lotus Word Pro Icon
172  Lotus Freelance Icon
173  Airplane Icon
174  Car Icon
175  Building Icon
176  New Document Icon
177  Party balloon Icon
178  Unused
179  Unused
180  Unused
181  Unused
200  Unused

DTD element changes and additions
Finding the Domino.dtd
There are two copies of the Domino document type definition in Notes 6. These can be found, assuming Designer was installed using the standard default locations, in the Lotus/Notes/xmlschemas directory. The two DTDs are:

<table>
<thead>
<tr>
<th>File name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>domino_6_0.dtd</td>
<td>Latest, most up-to-date version of the domino.dtd.</td>
</tr>
<tr>
<td>domino_6_0_M14.dtd</td>
<td>The domino.dtd version released with the Release Candidate version of Notes. This is supplied for backward compatibility with DXL created by earlier versions of the DXL exporter. A copy of this DTD can also be found in the Lotus/Notes directory, entitled &quot;domino.dtd.&quot;</td>
</tr>
</tbody>
</table>
A correction to the attachmentref element

The following definition of the attachmentref element is incorrect:

"Represents a reference to a file attachment to be imported. Once the attachment is imported, it is stored as a $File item. A file that is imported as an attachmentref element is represented by a $File item if it is then exported. An attachmentref element will not display in the resulting dxl of an export operation. Each file attachment associated with a note is stored with that note as a $File item. This element enables you to import a file by reference rather than importing it as a $File item. You can define the file as an attachmentref and specify its path and file name."

The correct definition of an attachmentref element is as follows:

"Represents a reference to a file attachment. Once the attachment is imported, it is stored as a $File item. The path attribute of an attachmentref can only be imported. The path attribute of an attachmentref element does not display in the DXL resulting from an export operation, but an additional $File item does. The path attribute of the attachmentref element enables you to import a file by reference, supplying its path and file name, and store it as a $File item, rather than importing it as a $File item."

A correction to the acl element

The third attribute of the acl element is adminservermaymodify (which has %acl.adminservermaymodify; entity as its type), not adminreaderauthor.

An addition to the form element

The form element also contains the attribute conflictaction, which has the following syntax:

conflictaction %form.conflictactions; "createconflicts"

The conflictaction attribute defines how to handle it when a document is edited by two people at the same time. The options are defined in the %form.conflictactions; entity.

The form.conflictactions entity has the following syntax:

<!ENTITY % form.conflictactions " createconflicts | donotcreateconflicts | mergeconflicts | mergenoconflicts " >

The options can be set in the Conflict Handling section on the Info tab of the Form Properties box and are defined as follows:

createconflicts

Creates replication conflicts for any documents edited by more than one person at one time. One document becomes the main document and the other becomes a conflict document that appears as response document to the main document and displays with a grey diamond in the view to indicate that a conflict exists.

donotcreateconflicts

No conflict documents are created. Domino chooses one document over another. The other document is lost.

mergeconflicts

If a replication conflict occurs, Domino saves one document, incorporating in it all the changes made in each copy of the document. If the same field was changed by both users, Domino creates a conflict document that displays as a response document to the merged document and contains the other version of the changed field.

mergenoconflicts

If a replication conflict occurs, Domino saves one document, incorporating in it all the changes made in each copy of the document. If the same field was changed by both users, Domino chooses one change over another. The other change is lost.
Designer

JSP tag library updates
Following are the updates and additions to the JSP tag library:

Updates

attachments tag
The inotes6.cab file must be available to the Web application server. The server must be able to find and reference this file for the tag to function properly.

Running the Lotus Notes Domino and WebSphere Web application servers on the same machine is supported on the Windows 2000 platform only.

Additions

deleateattachment tag
Deletes the selected attachment. The HTML that this tag generates displays wherever the tag is situated on the page.

Note: This tag can only be used if there is an attachmentlist tag on the page and it is only enabled if the enabledelete attribute of the attachmentlist tag is set to true. If the current user does not have permission to delete attachments, this tag is not enabled.

Contexts
Valid in:

attachmentlist, form

Syntax
<domino:deleteattachment
   text="button label"
   showdisabled="true|false"
   debug="true|false"
   onfailure="inline|exception"
   time="true|false"
>
The standard HTML tag attributes listed below>

Attributes
The following attributes are optional:

text
   Text for button label. If not specified, displays the body of the tag as a label. If no body exists, defaults to the text Delete attachment. To localize the text, supply replacement arguments using the msg tag in the body of the deleteattachment tag. This button only displays if the attachmentlist tag's enabledelete attribute is set to true.

showdisabled
   Indicates whether or not the Delete attachment button should be visible when it is not enabled. If true, and if the current user does not have permission to delete an attachment, the Delete attachment button will appear greyed out or disabled. If false, the button will not display at all. If you want to display the button using an icon instead, include an HTML <img> tag referencing an image file in the body of the tag. Include a disabled image using the docnavimg tag. Default is false.

See the Common Domino JSP tag attributes section for definitions of debug, onfailure, and time.

HTML Attributes
See the Common HTML tag attributes section for definitions of the following standard HTML tag attributes:

   accesskey
class
lang
name
style	tabindex
title
**Designer**

**Missing Help for the Control tab of the Field Properties box**

If you are creating a dialog list, checkbox, radio button, or combobox field, the F1 online Help for the Control tab of the Field Properties box is missing information:

- For information on Display settings, see the topic "Creating fields to display list of choices" in the chapter "Designing Fields."
- For information on Choices settings, see the topic "Generating choices for lists" in the chapter "Designing Fields."

**Designer**

**Programmable tables**

Following are a couple of notes missing from the Designer documentation on programmable tables:

- When you create programmable tables, the HTML tags used by $<table-name> fields are case-sensitive.
- If you have difficulty getting rows in programmable tables to switch when the document is in Read mode, consider the following example:

To switch rows in Edit mode:

1. Create a programmable table with two rows (tabs).
2. Add a field named $<TableName> to a form.
3. Add an action button to the form so that the user can change which row is displayed. The formula for the action button is:

```
FIELD $<TableName>:="<RowName>";
@Command([RefreshHideFormulas])
```

To switch rows in Read mode:

1. Write code so that the document currently in Read mode switches into Edit mode.
2. Then, add the formula for the action button you were using in Edit mode.

**Designer**

**Restricting access to categorized main topics, but not responses**

If you categorize a view, and then restrict access to the categorized main topic documents but not to the response documents, users who cannot see the categorized main topic documents will still see categorized response documents.

**Designer**

**Syntax for database reference in computed Named Element**

There is an apparent inconsistency with the way the Notes formula language references a database and the way a computed reference to a Named Element references a database. Note that in each case the database reference is interpreted correctly.

The Notes formula language syntax for a database reference is "server":"path\filename" so that a database reference looks like this:

"Zinfandel":mail\psmith.nsf" (or ":localdb.nsf" for a local database)

However, if you create an outline entry or link hotspot (or anything else that can define a reference to a named element) and then make the reference computed, the database formula looks like this:

"CN=ZINFANDEL/OU=CAM/O=Notes!!mail/PSmith.nsf"
**Using Domino Connection Resources (DCRs)**

In order to successfully use a Domino Connection Resource (DCR) to connect to a back-end database you must have “Domino Enterprise Connection Services (DECS)” installed as part of your Designer/Notes client installation.

**Do not use the NoteID in URL command syntax**

For improved security, Notes/Domino 6 does not support the use of NoteID to identify documents in URL command syntax. Use an object's universal identifier (UNID) instead.

**Don't use LotusScript BP functions with alternate charset**

The BP functions, InputBP, InstrBP, LeftBP, RightBP, LenBP, MidBP assume platform character set. Use of alternate character sets with these functions is not supported.

**Programmable color for view columns**

In addition to the information provided in the Domino Designer on-line Help, the following should be noted by those who use color columns in a view:

Multiple color columns may be defined in a view. The colors set in a particular column will be applied to all columns to the right of that color column until the end of the line, or until another color column is encountered.

**Update to "Using HTML on a page, form or subform" doc**

The "To convert pages, forms or subforms into HTML" section (part 3) should be updated to describe the fact that the "About converting to HTML" dialog box will initially appear every time the user choses Edit->Convert to HTML. If the user clicks the "Do not show this message again" checkbox, the dialog box will not appear again.

**Updating View Selection Condition if a form alias changes**

The issue described below applies if the view selection criteria has been specified using the 'Add Condition' button, and the condition specified is "By form".

If the form has an alias added to it, or if the alias is changed, the condition needs to be deleted from, and then re-added to the view. The original condition will search for the form name (if the original form did not have an alias) or the previous alias (if the alias has been changed). New documents created with the form will be tagged with the new alias name, and will not appear in the view until the condition is updated to pick up the new alias name.

**Note:** The same is true if the form does not have an alias and the form name changes, but this is a more obvious scenario than the one described above.
**Additional @Functions not supported on the web**
The following @Functions are not supported on the web, but are not indicated as such in other documentation:

- `@GetViewInfo`
- `@SetViewInfo`
- `@ViewShowThisUnread`

**Domino URL Commands - documentation updates**
The following updates apply to Help topics concerning URL commands in Domino:

In the topic "Domino URL Commands", the phrase:

> URL commands may also refer to databases with .nsf4 or .box suffixes.

Should be written as follows:

> URL commands may also refer to databases with .ns4, .ns5, .ns6, or .box suffixes.

In the topic "URL commands for opening agents, forms, and navigators", references to `$defaultNav` should be disregarded:

- `http://Host/Database/NavigatorName?OpenNavigator`

$defaultNav opens the folders pane in a database.

**Examples**

- `http://www.mercury.com/products.nsf/7B5BC17C7DC9EB7E85256207004F8862?OpenNavigator`

The special identifier `$defaultNav` isn't supported in Domino 6.x.

**For deleted documents, data in views may not be overwritten**
In the Designer Help, the section ‘Prevent overwriting of deleted data’ in the topic "Don’t overwrite free space” may be interpreted to mean that all data from a document is overwritten on disk when a document is permanently deleted.

In some instances, however, additional testing has shown data that was in views is not necessarily overwritten.

**Frame spacing is supported in Notes client**
In the topic “Setting the style for frames” it states:

<table>
<thead>
<tr>
<th>Advanced tab</th>
<th>Frame Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The default is minimal space between frames. You specify spacing between frames in pixels. Checking Default means that the frame displays according to the user’s browser settings. Each browser renders design elements differently, so be sure to preview your work in each browser if you are choosing this setting. <strong>This property is not supported in the Notes client.</strong></td>
</tr>
</tbody>
</table>

This property is supported **both** in the Notes client and on the Web.
Designer

**French Help file contains incorrect @UpperCase example**
The French version of the Lotus Designer 6 Help file contains the following example:

1. Cet exemple retourne ROBERT DELANOE.
   
   ```
   @UpperCase( "Robert Delanoë" )
   ```

In fact, this is incorrect. Beginning in Domino 6, the accents are not removed (like "ë" in the above example)

   ```
   @UpperCase( "Robert Delanoë" ) returns ROBERT DELANOË (Notice the accented "Ë").
   ```

**Workaround**
If you want the return **not** to include accents, as in Domino 5.0.11 or earlier releases, use the following formula instead:

   ```
   @UpperCase(@ascii( "Robert Delanoë" ));
   ```

It will return ROBERT DELANOE (no accent).

Designer

**Index entry 'GetSomeHeaders' incorrect in Designer Help**
The Lotus Designer 6 Help File (help6_designer.nsf) contains a typographical error in the index entry for the
GetSomeHeaders method. The Index view incorrectly shows `GeSomeHeaders` instead of the correct `GetSomeHeaders`.

Designer

**Input Enabled formula evaluates to "O", not "O"**
There is a typographical error in the Help topic "Editable field formulas" which states:

- The input enabled formula enables or disable the field for input. If Input Enabled evaluates to 0, data cannot
  be added to the field. If it evaluates to anything else, data can be added to the field.

The Input Enabled formula evaluates to 0 (zero) and not to 0 (the letter 'O').

Designer

**LotusScript - Add "&" when passing hexadecimal input**
The Help topic "Examples: Val function" contains an incomplete example for passing hexadecimal values. The code line:

   ```
   hexVal# = Val("&HFF")
   ```

should read

   ```
   hexVal# = Val("&HFF&")
   ```

**Note:** When passing hexadecimal input the value should have a prefix of "&H" and a suffix of ". For example:

   ```
   hexVal# = Val("&H8000&")
   ```

Designer

**No programmatic access to private views stored in desktop**
Users can **not** programatically access private views stored in the desktop.
Replication topic updates

Following are the issues with Replication topics in Designer Help:

- In the Designer Help topics "The Database Replication History" and "Displaying and clearing the replication history" there are references to 'Date' and 'Server name' as shown below:
  - Select **Date** to view the information by date.
  - Select **Server name** to view the information by server.

In the "Replication History" window there are, in fact, no radio buttons 'Date' and 'Server name'.

- In the Designer Help topics "The Database Replication History" and "Displaying and clearing the replication history" there are references to 'Zoom' and 'Remove' as shown below:
  - To clear one entry, select it, click **Zoom**, click **Remove**, then click Yes.
  - To clear the entire replication history, click **Clear**, then click Yes.

**Tip** If the replication history dialog box truncates an entry, click **Zoom** to display the complete entry. To copy the entire replication history to the Clipboard, click Copy.

In the "Replication History" window there is, in fact, no 'Zoom' button. The topics should read as below:

  - To clear one entry, select it, click **Clear**, then click Yes.
  - To clear the entire replication history, click **Clear All**, then click Yes.

- The Designer Help topic "The Database Replication History" Help notes that:

A database's replication history is stored in the Basics tab of the Database Properties box.

This should read as below:

  In the Basics tab of the Database Properties box there is a button "Replication History", which opens the window of the same name.

SetEnvironmentVar method has incorrect setting listed

The Help topic 'SetEnvironmentVar method' lists an incorrect setting for the 'issystemvar' variable. The paragraph, in the section titled 'Usage', currently reads as follows:

*SetEnvironmentVar* prepends a dollar sign character ('$') to the name before setting the value of the environment variable, unless you specify *issystemvar* as **False** or have already included a '$' as the first character of the name$.

When you examine the environment variable in the notes.ini (or Notes Preferences) file, you see the '$' character. When retrieving environment variables with the GetEnvironmentString or GetEnvironmentValue methods, you have the option of including or omitting the '$' from the variable name.

If you specify "False" in the issystemvar, the dollar sign will be prepended. You must specify 'True' if you do not wish to include the dollar sign.

Setting column colors partially supported on Web

In the topic "Examples: Adding programming to columns" it states:

**Setting column colors programmatically**

In Notes client applications, you can set a column's background color and text color programmatically by selecting the "Use value as color" option on the Info tab of the Column Properties box and then supplying RGB coordinates in the Programmer's pane as the value for the column.

**Note** This feature is not supported on the Web.

Actually, this feature is partially supported on the Web. Instead of setting colors by using a text string (e.g., "FF00FF"), set colors by using a number list (e.g., 255:0:255).
Designer

**Shift+F9 shortcut only needs Editor access**

In the topic "Keyboard shortcuts when working in views", it states:

<table>
<thead>
<tr>
<th>SHIFT+F9</th>
<th>Rebuild current document, view, or workspace (must have Manager access)</th>
</tr>
</thead>
</table>

However, Editor-level access with "Create shared folders/views" selected suffices for performance of this operation in server databases.

Designer

**Sign-enabled fields must be of type 'Computed'**

This applies when you are trying to sign-enable a "COMPUTED FOR DISPLAY" field. The property "Sign if mailed or saved in section" in the Advanced tab of the Field Properties box is not available.

The "Sign if mailed or saved in section" property is only available for fields of type 'COMPUTED'.

Administrator Client, Server

**Synchronizing Internet password with Notes ID password**

You can easily synchronize an Internet password with a Notes ID password, by using the Security policy settings document - Password Management - Password Management Basics tab - "Update Internet Password When Notes client Password Changes" field. Set the field to Yes to synchronize the passwords. For information about using the Security policy settings document, see the topic "Creating a security policy settings document " in the Domino Administrator documentation.

**Note:** The field "Synch Internet password with Notes ID password" is no longer available on the Register Person dialog box in the user registration user interface.

The information in this release note applies to both the Domino Administrator client and the Web Administrator client.

Service Provider

Administrator Client

**Upgrade to Service Provider software impact on Site documents**

If you upgrade your Service Provider software from an earlier release of Domino 6, you will need to update the information in the "Domino servers that host this site" field on the Basics tab of the Internet Site documents. In previous releases, the entry in this field was only available to the Web Site documents, so it may not have been updated for Internet Site documents.

1. From the Domino Administrator, open the Domino Directory (NAMES.NSF).
2. Choose Server - Internet Sites.
3. Select the Internet Site or Web Site document you want to edit. By default, site documents are sorted by hosted organization name.
4. Click Edit document.
5. On the Basics tab, locate the "Domino servers that host this site" field. If the field is empty, enter the server name, for example, server1/orgname, or enter an asterisk (*) for all servers.
6. Click Save and Close.
Administering the Domino System

Administrator Client, Client, Server

Activity Trends move db or mail file does not update workspace
When Activity Trends resource balancing is used to move a database or a mail file that has a bookmarked icon on the Workspace or Bookmark list, the bookmark is not updated to reflect the new server location to which the database or mail file have been moved. Attempting to open the database or mail file using the bookmark, results in an error message.

Administrator Client, Server

Change HTTP password in Domino Directory - documentation update
The Lotus Domino Administrator online and printed documentation contains an incorrect Tab reference in the "Change HTTP password in Domino Directory" administration request documentation. The Tab that should be referenced on the Security settings document is the Password Management tab. The corrected documentation is:

Change HTTP password in Domino Directory
Lotus Notes users can change their HTTP password if the administrator has set the "Allow users to change Internet password over HTTP" field to Yes in the Password Management Options section on the Password Management tab of the Security Settings document. If the value in that field is No, the user is not able to change the HTTP password. The user has the ability to change the HTTP Internet password during authentication when attempting to access a Notes database via a Web browser. The "Change HTTP password in Domino Directory" is also generated when an Internet password is synchronized with a Notes password.

Triggered by: A user initiating an action to change their Internet password via the Internet or a Notes password is synchronized with the Internet password.
Carried out on: Administration server for the Domino Directory.
Carried out: Immediately
Result: The password is updated in the user's Person document.

Administrator Client, Server

Changing a server's IP address
Before changing a server's IP address, consider the following potential problems:

Problem 1: If the server's previous IP address is stored in any Server Connection documents or Server documents, when that server's IP address is changed in DNS and on the server itself, these old Server Connection documents or Server documents will cause connection failures.
   Solution: Use the DNS fully-qualified domain name, not the IP address, as the network address stored in the Server Connection documents and Server documents. You can then change the server's IP address in DNS without having to change the Server Connection documents or Server documents. Changing the network address from the IP address to the DNS name can be done at any time.
   To modify the Server Connection document, open the Server Connection document. On the Basics tab, if Local Area Network is chosen in the Connection Type field, click the Advanced tab and check the entry in the Destination server address field. If the field contains the server's IP address, delete the IP address and enter the fully-qualified domain name. Remember, both the server-based Domino Directory and the client-based Address Book can have this problem.
   To modify the Server document, click the Ports tab for the Net Address for TCP ports. If the field contains the IP address, change the entry to the proper fully-qualified domain name.

Problem 2: The algorithm that all Notes clients and Domino servers use to connect to a Domino server can cache the IP address that was used to successfully connect to a server. If this cache entry exists, when the server's IP address is changed, the old cached address may be used causing the connection to fail.
   It is important to understand why this caching is performed. Notes supports a wide range of networking technologies implemented as Notes ports. If Notes attempts to connect to a server that is down, and tries every possible technology (Notes port) using every possible Name to Address resolution tool until each one fails, the connection attempt takes a long time. To prevent the long delay that would occur in reporting the error when the server goes down, Notes has implemented two server connection algorithms. One algorithm is fast, using cached addresses, and the other is slower, using the complete algorithm which bypasses the cache when it fails.
The following solutions can resolve this problem. Solutions are listed in the order in which they should be used.

Solution 1: The fast connection algorithm is only used if the client or server had successfully connected to the same server earlier in the day. If a successful connection has not yet occurred today, the slower algorithm is used and the cache is bypassed. To avoid this problem, change a server’s IP address late in the evening, but before midnight. This is the easiest solution because it is transparent to the user and involves no help desk calls or any action on the user’s part.

Solution 2: The cache is rewritten following successful connection to the server. The cached address is the address entered by the user, not the resolved IP address. Therefore, if users have the habit of connecting to servera/acme by entering servera.acme.com, the cached address will be servera.acme.com, not 1.2.3.4 and the problem will not occur.

Solution 3: The cache is rewritten following any successful connection to the server. If a user tries to connect to the server by its Notes name, for example, servera/acme, the stale cache entry is used. If the user tries to connect using the server’s fully-qualified domain name, for example, servera.acme.com, then the cache will not be used, the new address will be fetched from DNS and the correct new address entered in the cache. To make this successful connection using the fully-qualified domain name of the server, use the File - Database - Open menu command or the File - Preferences - User Preferences - Ports - Trace service menu selections.

Solution 4: The cache is stored in the following Notes fields in the Location documents for the client and in the Server document for the server:

- $Saved Addresses
- $SavedDate
- $SavedPorts
- $SavedServers
- $SavedTriedDate

If these fields are deleted from the Location or Server document, for example, using a formula agent, the old IP addresses in the cache cannot be used. This method can be confusing because the Notes items are rewritten when the client or server exists from an in-memory copy. Therefore, to use this method to clear the cache for the client, create the agent in the Local Address Book, and then switch to the Island Location document and exit the client. Restart the client, and then run the agent to clear the cache for all other locations. Switch to your normal location.

Sample agent formula language code to clear the cache:

```
FIELD $SavedAddresses:=@DeleteField;
FIELD $SavedDate:=@DeleteField;
FIELD $SavedPorts:=@DeleteField;
FIELD $SavedServers:=@DeleteField;
FIELD $SavedTriedDate:=@DeleteField;
SELECT @All
```

Solution 5: Disable the use of the cached addresses by using the following NOTES.INI setting:

```
DONT_USE_REMEMBERED_ADDRESSES=1
```

If the client uses multiple or slow port technologies, we discourage the use of this technique because it can cause a long delay in reporting that a server is down.

---

**Correction to Registering Users**

The IBM Lotus Domino Administrator online and printed documentation has incorrect information in the subtopic "Registration Settings" in the "Registering Users" topic. The topic is located in the "Setting Up and Managing Notes Users" chapter of the printed documentation and in the "User and Server Configuration" section of the online documentation.

The paragraph and Note under the subtopic are replaced with this corrected information:

**Registration Settings**

To simplify the process of registering users, you can create policies and Registration Settings documents to preset registration settings for different types of users. For example, users who work in Human Resources may have different registration settings than users who work in Sales. You can create Registration settings for Sales, and another set of Registration settings for Human Resources, and use them to register everyone with the proper settings. In addition, when you add new users to Human Resources or Sales, the defined Registration settings apply.

**Note** Administration preferences (File - Preferences - Administration Preferences) do not apply to user registration done with the Web Administrator.
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes

Chapter 4 - Documentation updates

Administrator Client, Server

**Directory Assistance is not supported in a hosted environment**

Directory assistance is not supported in a hosted environment. You cannot use Domino’s directory assistance feature with Domino’s xSP configuration. The Directory assistance database name field on the xSP Server document should be blank.

Administrator Client, Server

**Hierarchical group names allowed**

IBM Lotus Domino 6 and more recent releases, allow the use of hierarchical group names, for example, Admins/Acme.

Administrator Client, Server

**HTTP statistics**

In the Domino Administrator client, from the Files tab, open EVENTS4.NSF. Click Advanced - Statistics by Name. Locate the statistics that begin with HTTP. The following list of HTTP statistics and their descriptions can be included in that list:

<table>
<thead>
<tr>
<th>HTTP statistic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTP.Accept.Polls</td>
<td>A count of the number of times the HTTP server accept thread has polled the &quot;listen&quot; endpoints for incoming network connections.</td>
</tr>
<tr>
<td>HTTP.Accept.PollTimeouts</td>
<td>A count of the number of times the HTTP server accept thread has timed out waiting for incoming network connections. The HTTP accept thread poll time-out is 200 milliseconds.</td>
</tr>
<tr>
<td>HTTP.Worker.Total.IdleSessionTimeouts</td>
<td>A count of the number of network connections closed by the HTTP server because there was no activity on the network connections. Applies to only connections that are held persistent.</td>
</tr>
<tr>
<td>HTTP.Worker.Total.InputTimeouts</td>
<td>A count of the number of network connections closed by the HTTP server because data was not received within the input time-out specified in the Domino Directory.</td>
</tr>
<tr>
<td>HTTP.Worker.Total.Notes.Requests</td>
<td>A count of the number of HTTP requests that are Notes URL requests handled by the Domino Web Engine.</td>
</tr>
<tr>
<td>HTTP.Worker.Total.OutputTimeouts</td>
<td>A count of the number of connections closed by the HTTP server because the output time-out expired.</td>
</tr>
</tbody>
</table>

Administrator Client, Server

**Opening user mail files after moving mail files**

There is a difference in how users open their mail files after a mail file move.

**IBM Lotus Domino 6.0 and more recent**

When running Lotus Domino 6.0, after a mail file move, users must complete the following steps to open their new mail files:
1. Open old mail file as usual. Updates occur (Location documents are modified and icons are changed.)
2. Close the old mail file.
3. Open the new mail file using the new icon.

**IBM Lotus Domino releases prior to 6.0**

When running pre-6.0 releases of Domino, users must complete the following steps to open their new mail boxes:

**Note:** The mail file move occurs and Location documents are modified, but the Workspace icon and bookmarks are not updated.

1. Select the old mail file icon and delete it.
2. Click the new mail file icon to open the new mail file.

If the user attempts to open the mail file using the old icon or bookmark, a message appears indicating that the replica cannot be found on the server.
PEER Networks SNMP Master Agent replaced

The PEER Networks SNMP Master Agent has been replaced with the NET-SNMP Master Agent on Solaris. You can continue using the PEER Networks SNMP Master Agent, but it is no longer supported or distributed. The NET-SNMP Master Agent is now also provided on Linux.

For more information, see the topics related to SNMP Agents in the Lotus Domino Administrator 6.5 online documentation.

Rename person administration request

The Domino Administrator online and printed documentation contains information on the Rename Person administration request in the Appendix, "Administration Process Requests."

The "Result" statement in these requests has been changed:

- Initiate rename in Domino Directory
- Rename person in Domino Directory
- Rename in Person documents

The revised topic is as follows:

Rename person

You can rename a user with the Administration Process by choosing People - Rename from the tools pane of the Domino Administrator. The following flowchart shows the sequence of Administration Process requests that occur when you rename a person in the Domino Directory. (Boxes represent requests.) The timing shown for each request is the default, which you can customize through the Server Tasks - Administration Process section of the Server document.

For information on renaming a Web user, see the topic "Rename Web user" in this appendix.

For information on the administration requests that are generated when a user refuses a proposed name change, see the topic "Rename person - Name change refused."

Move person's name in hierarchy

Triggered by: Choosing Actions - Rename Person then Request Move to New Certifier in the Domino Directory or by choosing People - Rename from the tools pane of the Domino Administrator.

Carried out on: The server from which you choose Actions - Complete Move.

Carried out: When you choose Actions - Complete Move, in the Name Move Requests view of the Administration Requests database, to move a person's name to another hierarchy.

Result: Approves the move and triggers the "Initiate rename in Domino Directory" request.

Initiate rename in Domino Directory

Triggered by: Choosing a rename action.

Carried out on: The administration server for the Domino Directory.

Carried out: According to the "Interval" setting for the Administration Process in the Server document.

Result: Adds the new name, certificate, and change request to the user's Person document. Prompts the user to accept the new name upon next server authentication.

Note: By default, the new name is accepted automatically upon next server authentication.

Rename person in Domino Directory

Triggered by: Person accessing a server and accepting the new name.

Carried out on: The administration server for the Domino Directory.

Carried out: According to the "Interval" setting for the Administration Process in the Server document.

Result: Updates the person's name in the Domino Directory - except for Person documents other than those belonging to the user. Posts the "Rename in Person documents" and the "Rename person in Unread Lists" administration requests.
Rename in Person documents
  Triggered by: Completion of the "Rename person in Domino Directory" request.
  Carried out on: The administration server for the Domino Directory.
  Carried out: According to the "Execute once a day requests at" setting for the Administration Process in the Server document.
  Result: Updates the user's name if it appears in Domino Directory Person documents. For example, if the user is an administrator, the name may appear in the Owner or Administrator field of another user's Person document.

Rename person in unread list
  Triggered by: Completion of the "Rename person in Domino Directory" request.
  Carried out on: Each server in the domain.
  Carried out: According to the "Execute once a day requests at" setting for the Administration Process in the Server document.
  Result: Each server in the domain examines every database on the server and updates the person's name in any unread lists.

Rename in Access Control List
  Triggered by: Completion of the "Rename person in Domino Directory" request.
  Carried out on: Each server in the domain.
  Carried out: According to the "Interval" setting for the Administration Process in the Server document.
  Result: Each server in the domain updates the person's name in ACLs of databases for which it is an administration server.

Rename person in Free Time Database
  Triggered by: Completion of the "Rename person in Domino Directory" request.
  Carried out on: The person's home server.
  Carried out: Immediately
  Result: The person's name is changed in the Calendaring and Scheduling Free Time Database.

Rename person in calendar entries and profiles in mail file
  Triggered by: Completion of the "Rename person in Free Time Database" request.
  Carried out on: The person's home server.
  Carried out: Immediately
  Result: The person's name is changed in their mail file's Calendar Profile and appointment documents. If the person's common name was changed and the common name is in the title of the mail file, the mail file title changes to reflect the new name. If the person is the "chair person" of any future meetings, the name is changed in those appointment documents.

Rename in Reader / Author Fields
  Triggered by: Completion of the "Rename in Person documents" request on the administration server for the Domino Directory.
  Carried out on: Each server in the domain.
  Carried out: According to the "Delayed Request" setting for the Administration Process in the Server document.
  Result: Each server in the domain updates the person's name in Reader / Author fields of databases for which it is an administration server and that have the advanced ACL option "Modify all Reader / Author fields" selected.
Delete Obsolete Change Requests

Triggered by: Expiration of the period in which a person can accept a new name, by default 21 days. When you rename the person, you can change the expiration period.

Carried out on: The administration server for the Domino Directory.

Carried out: According to the "Execute once a day requests at" setting for the Administration Process in the Server document.

Result: The Administration Process deletes the word "Pending" from the Change Request field from the Person document.

Timing for Rename a user request

<table>
<thead>
<tr>
<th>Request</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move Person's Name in Hierarchy</td>
<td>Requires administrator approval in Administration Requests database</td>
</tr>
<tr>
<td>Initiate Rename in Domino Directory</td>
<td>Interval</td>
</tr>
<tr>
<td>Rename Person in Domino Directory</td>
<td>Interval</td>
</tr>
<tr>
<td>Rename in Person Documents</td>
<td>Execute once a day requests at</td>
</tr>
<tr>
<td>Rename Person in Unread List</td>
<td>Execute once a day requests at</td>
</tr>
<tr>
<td>Rename in Access Control List</td>
<td>Interval</td>
</tr>
<tr>
<td>Rename Person in Free Time Database</td>
<td>Immediate</td>
</tr>
<tr>
<td>Rename Person in Calendar Entries and Profiles in Mail File</td>
<td>Immediate</td>
</tr>
<tr>
<td>Rename in Reader / Author Fields</td>
<td>Start Executing On</td>
</tr>
<tr>
<td>Delete Obsolete Change Requests*</td>
<td>Execute once a day requests at</td>
</tr>
</tbody>
</table>

* If the Notes user being renamed is running a Notes client version that is pre-Notes 6.0, the user must accept the name change as explained here. Before the Administration Process carries out a rename person request, the user whose name is being changed is prompted to accept the name change. If the user does not accept the name change within a specified period of time, or grace period, the name change request becomes an Obsolete Name Change and is entered in the Administration Requests database as a Delete Obsolete Name Change request.

If the Domino server and the Notes client are both Notes Domino 6.0 or more recent, the user is not prompted to accept the name change, unless the user has requested to be prompted to accept. (To be prompted to accept a name change, the user must set that preference using the Security settings in the Notes client.

Rename person - name change refused

If a user refuses to accept a proposed name change, a series of administration requests are generated. These requests require the administrator's attention and one requires the administrator's approval. The sequence of requests is generated only when the name change is refused by the user.

Initiate Rename in Domino Directory

Triggered by: Initiating a name change request for a user that generates a notice of name change for the user. The user must either accept or refuse the name change. A user receives notice of a proposed name changes only if the user has selected the "Ask your approval before accepting name change" on the Notes name changes dialog box in the Notes client interface.

Carried out on: The administration server for the Domino Directory.

Carried out: According to the "Interval" setting for the Administration Process in the Server document.

Result: Generates an e-mail notice to the user advising of the proposed name change and asking that user accept or refuse the request.
Approve refused name change
Triggered by: The users refusing to accept the proposed name change.
Carried out on: The administration server for the Domino Directory.
Carried out: When you approve or reject this approval request in the Administration Requests database.
Result: If you approve this request, a "Retract person's name change" request is generated. If you reject the name change refusal, posts a "Reinitiate rename in Domino Directory" request.

Retract person's name change
Triggered by: The administrator approving the "Approve refused name change" request.
Carried out on: The administration server for the Domino Directory.
Carried out: Immediately
Result: Removes the new information from the Person document and recovers the user's information and updates the Person document.

Reinitiate rename in Domino Directory
Triggered by: The administrator rejecting the name change refusal.
Carried out on: The administration server for the Domino Directory.
Carried out: Immediately
Result: Posts an "Initiate rename in Domino Directory" request. The user is again notified of the proposed name change.

Administrator Client, Client, Server
Rename person adminp request -- Documentation change
The last paragraph in the Rename person topic in the Reference section Administration Process Requests requires an update. When the rename person administration request is run using Notes Domino 6 or more recent server and client, the user being rename is not required to accept the name change. Accepting the name change is an option in Notes Domino 6.0 and more recent versions. The revised text is shown below.

Revised text
If the Notes user being renamed is running a Notes client version that is pre-Notes 6.0, the user must accept the name change as explained here. Before the Administration Process carries out a rename person request, the user whose name is being changed is prompted to accept the name change. If the user does not accept the name change within a specified period of time, or grace period, the name change request becomes an Obsolete Name Change and is entered in the Administration Requests database as a Delete Obsolete Name Change request.

If the Domino server and the Notes client are both Notes Domino 6.0 or more recent, the user is not prompted to accept the name change, unless the user has requested to be prompted to accept (to be prompted to accept a name change, the user must set that preference using the Security settings in the Notes client).

Administrator Client, Server
Running the Server.Load R6 Mail Routing workload
Server.Load has a new ftsearch script command in IBM Lotus Domino 6.5.1, and a new workload script variable NB_Mail_FTSearch_Enabled in the R6 Mail Routing workload that controls usage of the ftsearch command. The ftsearch command is not working properly in 6.5.1 and must be disabled for the workload to run correctly. To disable the ftsearch command in Server.Load R6 Mail Routing workload, set the following Server.Load script variable: NB_Mail_FTSearch_Enabled=0.
Administrator Client, Server

Update license tracking information administration request
The Lotus Domino Administrator documentation contains a correction in the Appendix, Administration Process Requests. The documentation incorrectly cited the Server document as the place to enable license tracking. This has been changed to the Configuration Settings document.

Revised documentation:

Update license tracking information in Domino Directory
Once each day, an administration request sends to the administration process, information regarding new users and information regarding users who have not accessed the server within the last 30 days.

License Tracking must be enabled on the Basics tab of the Configuration Settings document.

Triggered by: A user authenticating with a server using the Notes client, HTTP, IMAP, POP3, SMTP or the LDAP.
The user's full canonical name, protocol, and time and date of access are collected.

Carried out on: The administration server for the Domino Directory.

Carried out: According to the "Interval" setting in the Administration Process section of the Server document.

Result: Creates a new User License document in the UserLicenses database (USERLICENSES.NSF) for each unique (new) user reported in the administration request. Documents are updated with the new time and date for those users who already have a document in the User Licenses database.

Administrator Client, Server

Using IBM Lotus Notes Smart Upgrade
The Domino Administrator 6.0 Upgrade Guide online and printed documentation has a correction to the topic "Using IBM Lotus Notes Smart Upgrade." The topic has been divided into two topics: "Using IBM Lotus Smart Upgrade" and "How Smart Upgrade performs an upgrade."

Using IBM Lotus Notes Smart Upgrade
IBM Lotus Notes Smart Upgrade notifies users to update their Notes 6 clients to later releases. Lotus Notes Smart Upgrade uses policy and settings documents to help manage updates. Policy documents are a new feature of Lotus Notes/Domino 6. You create these documents in the Domino Directory to distribute standard settings and configurations across groups, departments, or entire organizations.

For more information about policies, see the topic Policies.

To use Lotus Notes Smart Upgrade, follow this procedure:

1. Create a database using the Smart Upgrade Kits template to host Notes client update kits.
2. Update the Configurations Settings document in the Domino Directory with a link to the Lotus Notes Smart Upgrade database.
3. Download an update kit, also known as an incremental installer, from the Lotus Developer Domain Web site (http://www.lotus.com/ldd/smartupgrade).
4. Create a Kit document in the Lotus Notes Smart Upgrade database and attach the kit to it.
5. Create or modify a desktop policy settings document where you specify the updated release to deploy and the date on which the grace period for updating a Notes client ends.
6. Create or modify a master policy to assign users or groups to the desktop policy settings document.
7. Depending on the master policy created, edit Person documents to assign users to the master policy and/or set the Lotus Notes Smart Upgrade desktop policy settings document for one or more groups.

How Smart Upgrade performs an upgrade
When users log into their Domino 6 home server, Lotus Notes Smart Upgrade does the following:

1. Compares the release number of the user's Notes client to the release number specified in the Source version field of the Kit document in the Lotus Notes Smart Upgrade database.
2. Compares the update kit release number specified in the Deploy version field of the desktop policy settings document to the release number specified in the Destination version field of the Kit document.
3. Specifying the upgrade kit release number in the Deploy version field of the desktop policy settings document is optional. If the Deploy version field is blank, but an update kit is available in the Smart Upgrade database, Smart Upgrade skips Step 2 and uses the release number of the update kit to continue the upgrade process.

4. If the Notes client release number matches the release number in the Source version field and the update kit release number matches the release number in the "Destination version" field, Lotus Notes Smart Upgrade checks whether or not the user is specified or is a member of a group which is allowed to upgrade.

5. If users are specified or are members of a specified group, then Lotus Notes Smart Upgrade prompts the users to upgrade their Notes client. Users can choose to update their clients when prompted or to delay the upgrade for the specified grace period.

6. If at the end of the grace period, the Notes clients have not been updated, Lotus Notes Smart Upgrade presents users with an "Update Now" button that forces them to update their Notes client.

**Smart Upgrade server failover to another clustered server**

Smart Upgrade server failover is available with clustered servers. To use this feature, paste the database link for the Smart Upgrade database to a Configuration Settings document on a clustered server. When the Notes client user logs on, the user's home server's Configuration Settings document is checked to access the link to the Smart Upgrade database. Smart Upgrade then checks that server for the database link to the Smart Upgrade database. If the server containing the Smart Upgrade database is available, it uses that Smart Upgrade database. If the server containing the Smart Upgrade database is not available, Smart Upgrade searches, by database replica ID and database name, for a replica server within the cluster and tries to open the database on a replica server. If it locates and opens the database, that Smart Upgrade database on that replica server is used.

When a Notes client user receives the Smart Upgrade prompt and clicks OK to initiate the upgrade, the name of the server containing the Smart Upgrade database and its Replica ID are written to the NOTES.INI settings SmartUpgradeDBpath={server name}!!{database file name} and SmartUpgradeReplicID=xxxxxxx. Smart Upgrade looks for the user's home mail server. If the user's home mail server is not accessible, Smart Upgrade uses the previously-saved NOTES.INI variable SmartUpgradeReplicID= and path to search for the replicated Smart Upgrade database within the clustered servers. If the user's home mail server is accessible, the Smart Upgrade database on that server is used. If all attempts to run the Smart Upgrade fail, the user receives a message indicating that no Smart Upgrade database is available.

**Administrator Client, Server**

**WebGet command in Server.Load is enhanced**

The revised WebGet command information is shown here:

**WebGet command**

Used in a Server.Load script to retrieve information from a specified URL.

**Syntax**

Web Mail workload usage of WEBGET:

```
WEBGET [-sumonly | -alldata]
{-url <urlname> [-walk <depth> <span>] [-proxy <urlname>]
[-mi | -mis <msgsize> <numrecipients> [<nthIteration>]
| -mir <numtoread> [numtodel] | -mp] ]
[-holdtime <waitconn> <waitsend> <waitrecv>]
```

iNotes Workload usage of WEBGET:

```
WEBGET [-sumonly | -alldata]
{-url <urlname> [-walk <depth> <span>] [-proxy <urlname>]
[-qp | -qi | -qt]
-qis <msgsize> <numrecipients> [<nthIteration>]
-qir <numtoread> [numtodel] [numtodel]
-qca <msgsize> <duration> <mindaysaway> <maxdaysaway> [<nthIteration>]
-qci <msgsize> <duration> <mindaysaway> <maxdaysaway>
<numrecipients>[<nthIteration>]
-qmr <num> [<nthIteration>]
[-holdtime <waitconn> <waitsend> <waitrecv>]
```

306
- `{sumonly | alldata}` -- Retrieves either summary information (sumonly) or actual data -- for example, a graphic image (alldata) for a specified URL. The summary information is retrieved with the HTTP HEAD command; the actual data is retrieved with the HTTP GET command. Summary mode is useful for placing a light load on the HTTP server, as summary information is typically less than 300 bytes, versus an HTML document or image which can be any size.

- `{[url <urlname> [-walk <depth> <span>] [-proxy <urlname>]]} [holdtime <ct> <st><waitrecv>]`  
  After Web content has been retrieved from a URL (for example, `-url www.ibm.com`), the -walk switch can be used to traverse hyperlinks found on each page. The `<depth>` parameter indicates the number of hyperlinks to traverse for a given page; for each HTML document traversed, and is recursively applied to that page as well. The `<span>` parameter indicates the maximum number of pages for a given link that can be traversed before coming back to the initial request page.

  The -walk switch does not traverse links that have previously been traversed (that is, a "back to home" link will not be selected); this prevents an endless recursive loop. The -walk command also does not explore links that lead to other HTTP servers (that is, a link on www.lotus.com that leads to www.ibm.com will not be selected), avoiding the endless exploration of HTTP servers.

  The -proxy switch should be used when the specified URL is an external site - that is, one that must be accessed via the specified proxy server.

  The -holdtime switch specifies the amount of time WebGet will wait before completing an HTTP transaction. The sequence of events required to complete an HTTP transaction is: establish a connection to an HTTP server, send the command to the HTTP server, receive data from the HTTP server.

  The `<ct>` parameter indicates the amount of time, in milliseconds, to wait after issuing a command to the HTTP server. This effectively holds the HTTP server thread/process that has been dispatched to service the request in an idle state. `<ct>` should be less than the HTTP server's connect time timeout parameter (typically 2 minutes). The `<st>` parameter specifies the amount of time to wait after sending the command to the HTTP server. This effectively holds the servicing HTTP server thread/process idle, even though it may be ready to send data. The `<rt>` parameter specifies the amount of time to wait after receiving the requested data from the HTTP server.

- The -mi switch is used specifically for the WebMail workloads to open a user's Web Mail inbox.
- `-mis <msgsize> <numrecipients> [<nthIteration>]`  
  The -mis switch is used specifically for the Web Mail workload to send mail (msgsize = the size of the message body) or the word 'profile' is used to randomly select a message and an attachment of a size determined according to the following profile:

<table>
<thead>
<tr>
<th>Body Size</th>
<th>Attachment</th>
<th>Frequently used (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>10,000</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>50,000</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>50,000</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>150,000</td>
<td>9.5</td>
<td></td>
</tr>
<tr>
<td>1,000</td>
<td>0.5</td>
<td></td>
</tr>
</tbody>
</table>

  The `<numrecipients>` parameter equals the number of message recipients, the optional parameter `<nthIteration>` controls the frequency with which command is actually executed. For example,

  - If `<nthIteration> = 1`, the command is always executed.
  - If `<nthIteration> = 2`, the command is executed on every other iteration.
  - If `<nthIteration> = 6`, the command is executed on every 6th iteration.

- The `-mir <numtoread> [<numtodel>]` switch is used specifically for the Web Mail workloads to read Web Mail. The parameter `numtoread` indicates the number of messages to read and the optional parameter `numtodel` indicates the number of messages to delete.

- The -mp switch is used specifically for the WebMail workloads to set the owner of the Web Mail database.
- The -qp switch is used specifically for the iNotes workloads to set the owner of the iNotes database.
- The -qi switch is used specifically for the iNotes workloads to open a user's iNotes database (inbox), without reading any documents.
The -qt switch is used specifically for the iNotes workloads to determine the mail template used for this database.

The -qis <msgsize> <numrecipients> [<nthiteration>] switch is used specifically for the iNotes workload to send mail. The parameter msgsize equals the size of the message body, the word ‘profile’ is used to randomly select a message and an attachment of a size determined according to the following profile:

<table>
<thead>
<tr>
<th>Body Size</th>
<th>Attachment</th>
<th>Frequently used (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>10,000</td>
<td>10,000</td>
<td>30</td>
</tr>
<tr>
<td>50,000</td>
<td>50,000</td>
<td>40</td>
</tr>
<tr>
<td>150,000</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>1,000</td>
<td>10,000,000</td>
<td>9.5</td>
</tr>
</tbody>
</table>

The parameter numrecipients equals the number of message recipients and the optional parameter, nthiteration, controls the frequency with which this command is actually executed. For example,

If nthiteration = 1, the command is always executed.
If nthiteration = 2, the command is executed on every other iteration.
If nthiteration = 6, the command is executed on every 6th iteration.

The -qir <numtoread> [<numtodel>] [<numtoadd>] switch is used specifically for the iNotes workload to read mail. The parameter <numtoread> indicates the number of messages to read and the optional parameter, <numtodel> indicates the number of messages to delete from the $Inbox. The optional parameter <numtoadd> indicates the number of messages to add to the $inbox.

The -qca <msgsize> <duration> <mindaysaway> <maxdaysaway> [<nthiteration>] switch is used specifically for the iNotes workload to create a calendar appointment. The parameter msgsize equals the size of the appointment body, the parameter duration equals duration of the appointment in minutes, the parameter mindaysaway equals the minimum number of days from today to schedule the appointment, the parameter maxdaysaway equals the maximum number of days from today to schedule the appointment. The optional parameter nthiteration controls how frequently this command is actually executed.

The -qci <msgsize> <duration> <mindaysaway> <maxdaysaway> <numrecipients> [<nthiteration>] switch is used specifically for the iNotes workload to create and send an invitation. The parameter msgsize equals the size of the invitation body, the parameter duration equals the duration of the invitation in minutes, the parameter mindaysaway equals the minimum number of days after today to schedule the invitation, the parameter maxdaysaway equals the maximum number of days after today to schedule the invitation, and the parameter numrecipients equals the number of message recipients. The optional parameter nthiteration controls the frequency with which this command is actually executed.

The -qmr <num> [<nthiteration>] switch is used specifically for the iNotes workload to create and send a response to a received invitation. The parameter num equals the number of RSVPs to create, that is, the number of received invitations to process. The optional parameter nthiteration controls the frequency with which this command is actually executed.

Example 1
The command [-url www.lotus.com -walk 2 1] is interpreted by a Web browser as, "starting at Web page www.lotus.com, select two links on the page to click (if the page has at least two links). Click the first selected link, return back to the initial page, then click the second link, and return back to the initial page.

Example 2
The command [-url www.lotus.com -walk 1 2] is interpreted by a Web browser as, "starting at Web page www.lotus.com, select one link on the page to click. Click the link, then apply the same rule recursively to each new page. Assuming that the first link clicked is www.lotus.com/notes.htm, the rule then requires WebGet to find one link on that page and traverse it. The span parameter indicates a stopping point for the recursive process.

Additionally, -walk 0 0 indicates that WebGet should only request the page indicated by <urlname> and no more. Equivalent to leaving out the -walk switch.

Or, something like -walk 10000 10000 (or another large number) indicates that you want WebGet to traverse every conceivable link on that page, much like a Web robot.
DECS Documentation

Designer

Current supported data drivers list for DECS

Win NT4, 2000, Win2003
Oracle 8i, 9i, 10g
DB2 8.x
Sybase 12.5
MS SQL Server 2000
Data Direct ODBC 5.0

AIX 5.1, 5.2, 5.3
Oracle 8i, 9i, 10g
DB2 8.x
Sybase 12.5
Data Direct ODBC 5.0

Solaris 8, 9
Oracle 8i, 9i, 10g
DB2 8.x
Sybase 12.5
Data Direct ODBC 5.0

LINUX RedHat AS 2.1, RedHat AS 3.0, United Linux 1.0
Oracle 8i, 9i, 10g
DB2 8.x
Data Direct ODBC 5.0

i5/OS V5R1, V5R2, V5R3
DB2 8.x
Data Direct ODBC 5.0

Administrator Client, Client, Server

DECS Documentation

The following content is not present in the DECS User Guide but should be.

Virtual Activities and Domino Clusters

Virtual Documents activities and Virtual Fields activities support Domino clusters but to a varying degree. Virtual Fields can fully support the failover and load balancing capacity provided by a Domino cluster. Although Virtual Documents will work in a Domino cluster, it currently does not fully take advantage of these capacities. The following describes how to set up and use Virtual activities within a Domino cluster.

A Domino cluster is a set of specified Domino servers that host one or more replica databases (replicas), and for which Domino cluster replication is enabled. It’s assumed the reader is familiar with the configuration and use of Domino clusters. All the replicas in the cluster are kept in synchronization using an essentially event driven replication model. Modifications to data in any replica database in the cluster is instantly replicated to the other replicas within the cluster. If any server, and therefore its replica databases, were to go offline for any length of time, traffic is automatically routed to the other servers. When the server comes back online, it will be able to replicate with the other servers to bring its replica databases “up to date” with the current data. Load balancing among the servers in the cluster is achieved through a similar mechanism.
Virtual Fields support for Domino Clusters
For Virtual Fields activities to fully participate in a Domino cluster, each server in the cluster must be set up with a Virtual Fields activity(s) that monitors the replica database(s) on that server. Each server in the cluster will have its own Virtual Fields activity(s) running against its local replica databases. Each server in the cluster must maintain its own copy of the LEI Administrator, with a copy of the activity(s) set up and running from each Administrator database. The LEI Administrator cannot be cluster-replicated; each server must host its own non replica copy of the LEI Administrator.

All the Virtual Fields activities can be set up to use the same external data source. If set up in this manner, cluster failover and load balancing support occur because each Virtual Fields activity has access to, and can update, the external data. Even if all servers but one were to go offline, the external data would continue to be accessible and can be kept up-to-date. As other servers come back online, the current up-to-date external data is instantly available to those servers directly from the external data source.

Domino Web Access

Correction to 'Sorting Mail Marked for Follow Up'
The topic “Mark a Message for Follow Up” incorrectly identifies the views in which you cannot work with follow-up icons. You cannot work with follow-up icons in the Trash, Drafts, and Junk Mail views.

Disable drag and drop to improve performance
Users can disable the drag and drop feature and in-place editing of a Calendar entry. Drag and drop allows users to drag a Calendar entry, such as an appointment, to a new time slot. In-place editing is the ability to click on a Calendar entry and edit in the view, instead of having to open the entry in a separate window. Disabling these features improves the end user response time for Calendar view, which may be particularly useful on lower end machines.

1. Click Preferences.
2. Expand Calendar and then click Display.
3. Check "Disable drag and drop and in-place editing."
4. Save and close your preferences.

Error in View Meeting Notices help topic
The topic "View Meeting Notices" states that the Meeting Notices view displays meetings that you have scheduled. Use the information here instead.

View Meeting Notices
You can view meeting notices in a number of ways:
- On your calendar -- Meeting notices appear as scheduled on your calendar. Hover over the notice to view additional details.
- In the Meeting Notices view -- This view displays only meeting invitations. Information displayed includes the meeting time, chair, the date, and subject of the meeting. You can sort this view by meeting chair or date.
In a summary list -- Displays a list of your meetings in summary format, organized by date.

<table>
<thead>
<tr>
<th>What do you want to do?</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>View meetings on your calendar</td>
<td>Point to Calendar, and then select the view you want.</td>
</tr>
<tr>
<td>View only meeting invitations</td>
<td>In the navigation pane on the left, click Meeting Notices.</td>
</tr>
<tr>
<td>View meeting notice summaries</td>
<td>From your calendar, point to View, and then select Summarize.</td>
</tr>
</tbody>
</table>

**Tip** Use the iNotes Web Access scroll bar in the meeting notices window to scroll down the list. You can also use the arrow keys to move from one entry to another.

**Domino Web Access**

**iNotes_WA_LiveNames setting disables Chat**

The Domino Administration Help incorrectly states that the NOTES.INI setting iNotes_WA_LiveNames=0 disables only awareness (Live Names). However, this setting disables both chat and awareness.

**iNotes_WA_NoLocalArchive**

Domino Web Access administrators can disable local archiving using the following NOTES.INI setting.

**Syntax:** iNotes_WA_NoLocalArchive=value

**Description:** Prevents Domino Web Access users from creating an archive on their local machine.

- 0 - Allows Domino Web Access users to create an archive (default).
- 1 - Prevents Domino Web Access users from creating a local archive.

**Applies to:** Domino Web Access clients.

**Default:** 0

**UI equivalent:** None

**iNotes_WA_UseInternetAddrForXsp**

**Syntax:** iNotes_WA_UseInternetAddrForXsp=value

**Description:** Use this setting in an xSP server environment, to force the From and Principal fields to use the "internet address" format when sending email.

- 0 = off
- 1 = on (use Internet address format when sending mail)

**Applies to:** All Domino Web Access clients

**Default:** 0

**UI equivalent:** None
Domino Web Access

**Lightweight UI available**

New in 6.5.4, a lightweight skin is available for both the default and the Portal user interface. The differences in appearance are mainly cosmetic. In general, some of the rounded edges on tabs and buttons, and text highlighting around names and titles have a square look. Background colors are solid instead of using a gradient, and scrollbars have been added to the left panel to navigate by scrolling instead of clicking arrows. The only loss of feature is that there is no way to collapse the left side navigation panel.

**To enable the lightweight UI for all Domino Web Access users**

To enable the new lightweight skin for all Domino Web Access users, add the variable iNotes_WA_UI=inotes_lite to the Domino Web Access server’s NOTES.INI file. Or, if all of your Domino Web Access users are using the Portal UI and you want them to use the new lightweight skin, add the variable iNotes_WA_UI=portal_lite to your Domino Web Access server’s NOTES.INI file.

**To enable the lightweight UI for Domino Redirect users**

For users who access their mail via Domino Web Access Redirect, you can modify the Domino Web Access Redirect template (IWAREDIR.NTF) so that the new skin is available as a Personal Option from the Domino Web Access Redirect page. (Note that Personal Options must be enabled in Domino Web Access Redirect.) To enable the lightweight skin for Domino Web Access Redirect:

1. From the Domino Designer, open the IWAREDIR.NTF file.
2. Open the WMRProfile form.
3. Open the properties for the WMRProfileURL field, which is an editable Combo box.
4. From the Control tab, add `LiteUI | ?OpenDatabase&ui=iNotes_Lite` to the list of choices.
5. Save the form and close Domino Designer.
6. Update the design of the Domino Web Access Redirect database with the modified IWAREDIR.NTF template.

Likewise, to enable the lightweight skin for each Portal, follow the same steps as described above and change the &ui=portal on each option to &ui=portal_lite.

Domino Web Access

**Reference to Mozilla omitted from Help topics**

The following Domino Web Access help topics reference Internet Explorer but do not address the Mozilla browser. Use the information here instead of the online help for these topics.

- Welcome to Domino Web Access
- Display Text Larger and Smaller
- Uninstall Domino Web Access (Use Uninstall Domino Web Access from Linux Mozilla below)
- Keyboard Shortcuts
- Attach a File to a Message
- Archive Mail Messages
- Set Up and Create a Mail Archive

..............................

**Welcome to Domino Web Access**

Domino Web Access (previously called iNotes Web Access) is a Web client for access to Domino-based mail, contacts, calendar, scheduling, and collaboration services. It’s based on the latest browser technologies to ensure a highly functional and robust product. It combines nearly the same functionality of Lotus Notes with the convenience of the Web.

With Domino Web Access, you can walk up to a Web browser anywhere and perform many tasks. You can send and receive mail, view your calendar, invite people to a meeting, create an item for your to do list, access your contact list, or work offline.
Requirements and Recommendations
Domino Web Access works with Internet Explorer 5.5 or later, and the Mozilla 1.4.1 and 1.7.1, and 1.7.3 browsers for Linux clients.

Domino Web Access works best in a screen resolution of 1024X768 pixels. However, 800X600 pixels is adequate. To make the text larger or smaller, adjust your browser. To print Calendar entries, you'll need Adobe Acrobat Reader, Version 4.0 or later.

The first time you use Domino Web Access, you are asked to download the Domino Web Access Control from IBM Corporation. This control is necessary for Domino Web Access to function properly. Click yes.

What can you do with Domino Web Access?
- Customize a Welcome Page
- Answer invitations to meetings
- Work offline
- Create a contact list
- Create messages
- Create tasks in your to do list
- Create calendar entries
- View all your tasks on a time line
- Set alarms
- Create a group calendar
- Create Notebook pages
- Chat on line with coworkers

Display Text Larger or Smaller
You can use your browser's viewing options to make text smaller or larger. For example, in Internet Explorer, choose View - Text Size, and pick the text size that you want; in Mozilla, choose View - Text Zoom, and pick larger or smaller.

Uninstall Domino Web Access from Mozilla
2. Shut down the browser.
3. From the console, type the following:

   cd /#home
   rm -f-r inotes

   cd /usr/tmp
   rm*

To delete the Offline icon from the desktop, right click on it and select the "Delete" or "Move to Trash" option.

You can also remove the two files that are installed in your current Mozilla directory.

Mozilla 1.3.1
/[/mozilla directory]/components/npdolctlm.xpt
/[/mozilla directory]/plugins/libnpdolctlm.so

Mozilla 1.4.1
/[/mozilla directory]/components/npdolctlm32.xpt
/[/mozilla directory]/plugins/libnpdolctlm32.so

Mozilla 1.7
/[/mozilla directory]/components/npdolctlm32.xpt
/[/mozilla directory]/plugins/libnpdolctlm32.so
### Keyboard Shortcuts

**List views:**

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrow up</td>
<td>Scroll to the next row above the top-most visible row</td>
</tr>
<tr>
<td>Arrow down</td>
<td>Scroll to the next row below the top-most visible row</td>
</tr>
<tr>
<td>Page up</td>
<td>Scroll the list to the top-most row in the view (same as Home)</td>
</tr>
<tr>
<td>Page down</td>
<td>Scroll the list bottom-most row in the view (same as End)</td>
</tr>
<tr>
<td>Home</td>
<td>Scroll the list to the top-most row in the view</td>
</tr>
<tr>
<td>End</td>
<td>Scroll the list to the bottom-most row in the view</td>
</tr>
<tr>
<td>Insert</td>
<td>Create a new document for the view</td>
</tr>
<tr>
<td>Delete</td>
<td>Delete selected documents from the view</td>
</tr>
<tr>
<td>Enter</td>
<td>Read or edit selected documents from the view</td>
</tr>
<tr>
<td>Any letter (A-Z)</td>
<td>Jump to a record that begins with this letter or letters. Mail will first sort by &quot;Who&quot;, then jump to the desired record. You may first sort contacts by name, company, or e-mail, and then type a letter to jump to that record.</td>
</tr>
<tr>
<td>F9</td>
<td>Equivalent to the &quot;x&quot; key on Internet Explorer 5.5</td>
</tr>
<tr>
<td>F5</td>
<td>Refresh view (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>F1</td>
<td>Help (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
</tbody>
</table>

**Calendar views:**

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tab</td>
<td>Set focus to another Calendar entry</td>
</tr>
<tr>
<td>Enter</td>
<td>Read or edit the selected Calendar entry (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>F5</td>
<td>Refresh view (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>F1</td>
<td>Help (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
</tbody>
</table>

**Date navigator:**

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tab</td>
<td>Set focus to the next day in the current month (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>Space bar</td>
<td>Change Calendar view to the selected day (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>Arrow up</td>
<td>Set focus to the preview week (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>Arrow down</td>
<td>Set focus to the next week (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>Arrow right</td>
<td>Set focus to the next day (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>Arrow left</td>
<td>Set focus to the previous day (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>F1</td>
<td>Help (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
</tbody>
</table>
To Do chart:

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tab</td>
<td>Set focus to another view selection with a broken line.</td>
</tr>
<tr>
<td>Enter</td>
<td>Change to the new view (One day, One week, Month, Year). If focus is on a view with a broken line, you may get an error message in Internet Explorer only. Dismiss the warning and the selected view displays.</td>
</tr>
<tr>
<td>F5</td>
<td>Refresh view (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
<tr>
<td>F1</td>
<td>Help (Internet Explorer only; no shortcut available on Mozilla)</td>
</tr>
</tbody>
</table>

......................

Attach a File to a Message
You can attach a file to a message when you create or reply to a message:

1. Scroll down and to the area labeled Add Attachments.
2. Click the folder icon.
3. Select the file or files you want to attach to the message, then click Open.

Tip To delete an attached file, click the delete icon.

......................

Archive Mail Messages
You archive documents to manage the size of your mail file so that current documents are easier to find. Archiving frees up space and improves the performance of your mail. You can archive mail messages, notebook pages, and to do documents. Archiving is particularly useful for large mail databases. When you send a mail message, Domino Web Access automatically saves a copy of it in the Sent view, causing your mail database to increase in size. You can create folders and put messages in them to organize your mail, but this doesn't decrease the size of your mail database.

Your administrator may have set a policy that controls how much access you have to archiving mail. You may not need to archive at all because archiving is set up and run on your behalf. If you have access to archive your mail, you set archive preferences to set how and where to archive.

Before you set up archiving there are a number of decisions you must make. You must decide how to archive, where to archive, and which documents to archive.

How to archive
There are two ways to archive a document. You can move it to an archive database, and then delete from your mail file. You can also archive documents from your mail file by simply removing them.

Where to archive
You can archive on your home server or locally on your workstation (local archiving is available on Internet Explorer only). Archiving to your home server occurs automatically, based on a set of archive criteria that you define when you set your archive preferences. When you archive on your workstation, you decide which documents to archive, and then archive them manually. There is no criteria to define.

Which documents to archive
Deciding which documents to archive depends on where you are archiving. If you are archiving locally on your workstation, the decision is simple. You select each document you want to archive and archive manually. There is no criteria for this type of archiving. Local archiving is not supported on Linux Mozilla.

If you are archiving on your home server, you must define criteria that tells your server when to archive documents. The default, for example, is to archive all documents that have not be edited for 365 days. With this type of archiving, documents are automatically moved from your mail database to your archive database as they meet the criteria.
Archive Database
An archive database is a copy of your mail database that you create to store information no longer in use. It looks like your mail database and includes the folders and views in your mail database. By default Domino Web Access creates an archive directory and file called archive\a_username.nsf (long names are shortened to the first 8 letters). This file is created on your workstation or on your home server, depending on where you choose to archive.

Note If you already had a Notes archive before you switched to the Domino Web Access mail template, you must change the template of the archive file to iNotes6.ntf in order to open it with the Domino Web Access interface. You do this in the Notes client. See the Notes 6 help for information on replacing the design of a database.

Archive Log Database
Optionally, you can create a log of archive activity. If you do, Domino Web Access creates a log directory and file called archive\l_username.nsf on your home server (long names are shortened to the first 8 letters). You must use the Notes client to open your archive log database.

For more information on creating and managing a mail archive, see these topics:
- Set Up and Create a Mail Archive
- Encrypt Your Local Mail Archive
- Manage Your Mail Archive

--------------------
Set Up and Create a Mail Archive
You set up archiving in Archive Preferences. Then, your mail archive database is created the first time you archive a message. You cannot create an empty archive.

Set up Local Archiving
If you choose to archive locally, you must actively archive messages manually. You do not define criteria for which documents to archive. You make those decisions as you manage your mail. With local archiving, you can archive documents while you are offline, the same way you do when you are online, using the Domino Sync Manager. The first time you archive, you are prompted to download the Domino Sync Manager software. Click yes to install. The Domino Sync Manager software allows you to archive messages even when you are working offline. When you archive locally, you can create a local log of archiving activity, but you must view it using the Notes client. Local archiving is supported in Internet Explorer only.

1. Click Preferences and expand the Advanced section, then click Archive.
2. Under "Location of archive database," check "My local workstation."
3. Under "Archive instructions," choose one:
   - Archive documents to -- Creates an archive database. Documents you archive will be moved to this database. Optionally you can change the name of the archive database.
   - Delete all qualifying documents without archiving them -- Just deletes the documents you archive without saving a copy. Caution: Documents deleted in this way cannot be recovered.
4. (Optional) Check "Log archiving activity to" if you want to create a local log of archiving activity.
5. (Optional) Check "Do not delete documents that have responses" to make sure that a parent message is not deleted, leaving responses that are "orphaned."
6. (Optional) Encrypt your mail archive database.

Set up Archiving on a Server
When you archive on your home server, archiving occurs automatically, but you must specify which documents to archive. To archive on your home server, the Domino administrator must enable archiving on the mail server.

1. Click Preferences and expand the Advanced section, then click Archive.
2. Under "Location of archive database," check "My home server."
3. Under "Documents to archive," check one, and then enter how many days to wait before archiving. You must choose one of these options for archiving to occur:
   - Archive all documents not read or accessed (This option does not appear by default. It appears only if the Maintain LastAccessed property is set on your mail database.)
   - Archive all documents not modified or updated (default)
4. Under "Archive instructions," select whether to create an archive database or just delete documents without saving a copy. Choose one:
   - Archive documents to -- Creates an archive database. Documents you archive will be moved to this database. Optionally you can change the name of the archive database.
   - Delete all qualifying documents without archiving them -- Just deletes the documents you archive without saving a copy. **Caution:** Documents deleted in this way cannot be recovered.
5. (Optional) Check "Log archiving activity to" if you want to create a log of archiving activity.
6. (Optional) Check "Do not delete documents that have responses" (the default) to make sure that a parent message is not deleted, leaving responses that are "orphaned."

---

**Domino Web Access**

**Restoring an archived document**

There is an error in the topic "Manage Your Mail Archive". When you restore a message from an archive using the Move -> Archive action, a copy of the archived message is restored to your mail database.

---

**Domino Web Access**

**Reuse windows for better client performance**

You can set a Domino Web Access preference to reuse windows, which will optimize your client performance. When set, this preference caches and then reuses portions of the mail and calendar forms that do not change. Reusing windows improves performance when reading mail messages, creating new mail messages, and creating new calendar entries. For example, when reading mail, the portion of the message that does not change (such as header text), is cached when you close the window and then reused the next time you read mail. To maximize the reuse, you should close these windows using the Domino Web Access internal close button, not the external window close button. When the window is closed this way (or after a new message is sent), the reusable part of the window is cached.

Cached windows are reused when you do one of these actions:
- Double click on another message in the view.
- Create a new Mail message
- Select a new Calendar entry

**How Caching Occurs**

Caching occurs differently depending on the environment. In Microsoft IE, if the download control is installed, the cached window will be hidden. You will not see a task bar icon for the window. If the download control is not installed, the window will be hidden offscreen, and you will see a task bar icon for the window. In Mozilla, the window will appear in the lower right of the screen along with a task bar icon. The window will be behind the other windows on the screen.

**To set the Reuse Child Window preference:**
1. From the Domino Web Access client, click Preferences.
2. Click other.

---

**Domino Web Access**

**Selecting an e-mail address from a directory catalog**

The Domino Web Access help topic "Select an E-mail Address" incorrectly states that you can change how the list displays when searching a Domino directory, LDAP directory, or directory catalog. This is incorrect. You cannot change the list display when searching a Directory Catalog.
Domino Web Access

Send Tracking Request
You can track a message that has been sent by sending a tracking request. When you do this, a mail tracer appears as a message in your Inbox. The tracking result is then posted as a response to the tracer message. You can track only messages that you have sent. In order to track a message, messaging tracking must be enabled on the server, in the server Configuration Settings document on the Router/SMTP-Message Tracking tab. For information on configuring the server for message tracking, see the Domino Administrator help topic "Configuring the server for message tracking."

1. Open the Sent view and select the message.
2. Choose Tools - Send Tracking Request.
3. Select the recipients to whom you sent messages you want to track.
4. Choose Delivery status only or Trace entire path, and then click OK.

Domino Web Access

Server-based archiving supports selection of documents
In this release, users can manually select documents to archive when using server based archiving. The Domino Web Access help topic "Set Up and Create a Mail Archive" does not include this information. Use the topic here instead.

Set Up and Create a Mail Archive
You can archive locally or, if your administrator has enabled archiving on the server, you can archive to your home server.

Set up Local Archiving
You cannot create an empty archive. Your mail archive database is created the first time you archive a message. When you do, you are prompted to download the Domino Sync Manager software. Click yes to install. The Domino Sync Manager software allows you to archive messages even when you are working offline.

If you choose to archive locally, you must actively archive messages manually. You do not define criteria for which documents to archive. You make those decisions as you manage your mail. You can archive documents while you are offline, the same way you do when you are online. When you archive locally, you can create a local log of archiving activity, but you must view it using the Notes client.

1. Click Preferences and expand the Advanced section, then click Archive.
2. Under "Location of archive database," check "My local workstation."
3. Under "Archive instructions," choose one:
   - Archive documents to  -- Creates an archive database. Documents you archive will be moved to this database. Optionally you can change the name of the archive database.
   - Delete all qualifying documents without archiving them  -- Just deletes the documents you archive without saving a copy. Caution: Documents deleted in this way cannot be recovered.
4. (Optional) Check "Log archiving activity to" if you want to create a local log of archiving activity.
5. (Optional) Check "Do not delete documents that have responses" to make sure that a parent message is not deleted, leaving responses that are "orphaned."
6. (Optional) Encrypt your mail archive database.

Set up Archiving on a Server
When you archive on your home server you can archive in two ways -- manually by selecting a document and then archiving it, or automatically based on how old the document is. To archive on a server, your Domino administrator must enable archiving on the mail server.

1. Click Preferences and expand the Advanced section, then click Archive.
2. Under "Location of archive database," check "My home server."
3. Under "Documents to archive," check one of these options. Note, you must select one for archiving to occur.
   - Archive manually selected documents
   - (default) Archive all documents not modified or updated, and then enter how many days to wait before archiving
   - Archive all documents not read or accessed (This option appears only if the Maintain LastAccessed property is set on your mail database.)
4. Under "Archive instructions," select whether to create an archive database or just delete documents without saving a copy. Choose one:
   - **Archive documents to** -- Creates an archive database. Documents you archive will be moved to this database. Optionally you can change the name of the archive database.
   - **Delete all qualifying documents without archiving them** -- Just deletes the documents you archive without saving a copy. **Caution:** Documents deleted in this way cannot be recovered.

5. (Optional) Check "Log archiving activity to" if you want to create a log of archiving activity.

6. (Optional) Check "Do not delete documents that have responses" (the default) to make sure that a parent message is not deleted, leaving responses that are "orphaned."

**Domino Web Access**

**Use the browser’s language preference to print a calendar view**
The topic "Print Your Calendar" includes incorrect information about changing the language to print a view of your calendar. Here is the correct information:

**Changing the Language to Print a View**
Use the browser’s language preference setting to change the language used to print a calendar view. This applies for Western, Cyrillic, Japanese, Simplified Chinese, Traditional Chinese, and Korean languages. For example, if you set the browser language preference to Simplified Chinese, the Calendar view printing language will change to Simplified Chinese.

**Domino Web Access**

**Using Sametime Connect for browsers in Domino Web Access**
If you are using Lotus Sametime Connect for browsers 6.5.1 as the Instant Messaging (Chat) client, some of the information in the Instant Messaging topics in the Domino Web Access help may not apply.

Sametime Connect in Domino Web Access uses the contact lists on the Sametime server, so that Domino Web Access users and Notes client users can share the same lists. Private Instant Messaging lists that were created and stored in the user’s mail file in previous versions of Chat on Domino Web Access, can be transferred to and synchronized with the contact lists stored on the Sametime server. Users who want to maintain their private Domino Web Access Instant Messaging lists in the Sametime Connect client should transfer them before the Sametime Connect for browsers client is applied.

**To synchronize lists**
1. Login to Domino Web Access.
2. Click Chat.
3. Right mouse click and select "Transfer local contact list to Sametime server."

**To add a name to Instant Messaging contacts**
If you are using the Sametime Connect for browsers 6.5.1 client, when you add a name to your Instant Messaging list, the name is stored on Sametime Server. To add a name:
1. Login to Domino Web Access.
2. Select an email from a sender whose name you want to add to your Instant Messaging list.
3. Right mouse click and select "Add to Instant Contact list."
Chapter 5 - Compatibility and Interoperability

Calendar and scheduling compatibility

Client

Calendar and scheduling compatibility: R4 and Notes 6
Following are the calendar and scheduling compatibility issues between R4 and Notes 6 users:

Repeating Meetings
Some general rules about reschedule notices for repeating meetings when an R4 chair/participant is involved

1. You must add the invitation to your calendar before processing any reschedules. See number 3 below for an explanation.

2. Reschedules must be processed in the order received, as a reschedule adjusts each calendar entry by an offset, not an absolute value (also known as the Delta Shift Model). Applying them out of order may cause undesirable results. See number 3 below for more information.

3. Reschedules are keyed off a particular repeat instance. This instance must appear on the Calendar in order for the reschedule to be applied. To determine the instance in question:
   - The reschedule's StartDateTime and EndDateTime fields should match the repeat instance's StartDateTime and EndDateTime fields.
   - In addition, the repeat instance will have a Form field with the value of Appointment and the CalendarDateTime field should be the same as StartDateTime field. The Form field differentiates the document from a workflow notice. The presence of a CalendarDateTime field causes the document to display in the Calendar views.
   - The reschedule will either be a child document of the repeat instance, or a child of the same parent as the repeat instance (the reschedule and repeat instance are sibling documents).

Recommended upgrade to Domino 6 servers
We recommend that you place all replicas for mail files based on the R4 mail template, on to Domino 6 servers. There have been a number of improvements made in Notes 6 for calendar and scheduling functions. Moving your R4 template-based users to Domino 6 servers improves their calendar experience, until their client and mail templates can be upgraded to Notes 6.

The following tables outline some of the features available to R4 mail clients running on an Domino 6 server:

<table>
<thead>
<tr>
<th>Notes 6.0 Chair</th>
<th>4.6 Invite with 4.6 Server</th>
<th>4.6 Invite with 6.0 Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invite and re-schedule repeating meetings</td>
<td>Not available</td>
<td>Available unless messages are encrypted.</td>
</tr>
<tr>
<td>Add Invitee to Repeat Meeting - All</td>
<td>Not available</td>
<td>Available with the following limitation: On the invitation form in the section entitled &quot;Repeating meeting information&quot;, the line beginning with &quot;This meeting repeats&quot; will have missing dates. However, the following line, &quot;Meeting Dates&quot;, will be accurate.</td>
</tr>
</tbody>
</table>
### Notes 6.0 Chair

<table>
<thead>
<tr>
<th>Add Invitee to Repeat Meeting - Partial</th>
<th>4.6 Invitee with 4.6 Server</th>
<th>4.6 Invitee with 6.0 Server</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not available</td>
<td>When multiple partial invitations are sent by the Chair: - Merges the dates into first invitation if it has not been added to the calendar. - Attempts to keep the beginning of the repeat meeting accurate. - Subsequent invitations are always changed into a confirmation. On the invitation form in the section entitled &quot;Repeating meeting information&quot;, the line beginning with &quot;This meeting repeats&quot; will have missing dates. However, the following line, &quot;Meeting Dates&quot;, will be accurate.</td>
</tr>
</tbody>
</table>

| Remove and re-add to a repeat meeting | Not available                | Behaves the same way as "Add Invitee to Repeat Meeting - Partial". |
|                                        |                             | To work around the case when the invitation was previously added to the calendar, remove all documents related to the meeting before being re-added. |

| Send Updated Information               | Not available                | Changes the update info notice into a confirmation. |

### 6.0 Invitee

<table>
<thead>
<tr>
<th>Autoprocess repeat meetings</th>
<th>4.6 Chair with 4.6 Server</th>
<th>4.6 Chair with 6.0 Server</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not available</td>
<td>Only supported for invitations; re-schedules are not processed.</td>
</tr>
</tbody>
</table>

### Client compatibility

**Server**

**Roaming using Notes 6 Clients may crash earlier servers**

Due to an incompatible change in the format of ID files, a roaming user who uses a Notes 6 Client, but whose home server is an earlier release of Domino, may cause the server to crash if they attempt to use the roaming feature on a new Client machine. Administrators are advised to upgrade the servers of roaming users before upgrading clients.

**Designer**

**Calendar view "busy row" color used as Entry Background color**

Prior to Domino/Notes 6, the Calendar view "busy row" color was ignored when displaying the calendar. In Notes 6, however, the "busy row" color is mapped to the Entry Background color, and is used when entries are displayed.

This change causes problems only if the Calendar view designed in R5 has a busy row color that is not aesthetically acceptable when displayed. For example, an R5 Calendar view may have been designed with bright purple as the "busy row" color; since this color was not displayed in R5, users may not have realized the impact of the purple color on their view. A Notes 6 Client displaying the same view, however, will display the purple as the highlight color for calendar entries -- resulting in an undesirable visual experience.

**Workaround**

The ‘fix’ for this issue is to simply change the "busy row" color in the R5 design to a more acceptable color choice.
Opening local DB with Notes 6 causes R5 to reset unread marks
When opening a local database with Notes and Domino 6, it causes all unread marks to be reset (all documents marked unread) if it is later opened locally with Notes or Domino 5. This is as designed and is a consequence of upgrading the internal format of the unread table storage. The upgrade happens regardless of the NSF file ODS version.

When Notes and Domino 6 opens a database locally, it automatically converts the unread mark storage to an improved format. However, if the same database is later opened by R5 Domino or Notes, it won’t be able to recognize this new format, and will discard the database, which effectively causes unread marks reset. This only happens when opening a database locally.

If a Notes 6 or Notes 5 client accesses the database through an R5 server, the internal format is preserved. If a Notes 6 or Notes 5 client accesses the database through a Domino 6 server, the internal format is upgraded, but both versions of the client will still be able to read and set the unread marks appropriately as long as the server version is Domino 6 or later. If the server version is downgraded to R5, the R5 server won’t be able to understand the unread mark storage format and will reset the unread marks.

View sorting: case and accent sensitivity migrating from R4.6
In R4, the view column properties "Case sensitive sorting" and "Accent sensitive sorting" meant if two strings were the same, without regard to case or accent, then the case and accent would be used to try to differentiate them. This meant that most of the time, case and accent-sensitive sorting was not used.

In R5 & later versions of Notes, including Notes 6, the two properties mean to sort with regard to case and accent all the time. This is fundamentally different than it was in R4. For this reason, an R4 database converted to an R5 or later database defaults to not having the properties selected.

Hotspots on 'Today' work intermittently for R4.6 Mail database
When using the Notes 6.5 Workplace Welcome Page with a R4.6 mail database, the hotspot which launches a view (Launch Mail, Launch Calendar or Launch To Do) does not open the correct view. Although this is an intermittent problem, in most cases the Inbox will open instead of the Calendar or To Do view. This is a software limitation.

Update to ACL 'Replicate or copy documents' option
The "Replicate or copy documents" option in the Access Control List dialog box enables replication or copying of documents for a database. Lotus Notes 5 and 4.6 clients ignore the "Replicate or copy documents" option. By default, this option is selected. If you deselect this option with a Lotus Notes 6 client to prevent replication or copying of documents, Lotus Notes 4.6 and 5.0.9 and earlier clients can continue to replicate and copy documents from the database. However, Lotus Notes 5.0.10 and later clients can not continue to replicate and copy documents from the database.

Mail compatibility
SMIME encrypted mail appears already decrypted at view level
If Norton Lotus Notes Virus Protection is configured on a client to hook database open calls, then encrypted SMIME mail will appear to be unencrypted when it is opened.
Server compatibility

Administrator Client, Server

WebSphere and Domino names handled by Domino HTTP server

A number of IBM products interoperate with both WebSphere and Domino, such as the Domino HTTP server which supports single signon (SSO) with WebSphere. In some configurations, the WebSphere directory containing user information may not be the Domino directory, but instead may be some arbitrary LDAP directory. A user may exist in 2 ‘worlds’ (WebSphere vs. Domino) with 2 different names.

For example, a user may be primarily known in the WebSphere world as "uid=jdoe/cn=users/dc=myorg/dc=com"; in the Domino world, this same user may be known by a Domino name, such as "John M Doe/MyCompany". The Domino HTTP server can now support SSO to WebSphere and Domino in the environment where users have these multiple identities.

If a user logs in first to WebSphere, and later attempts to access Domino, the user's name will be presented to Domino in the WebSphere form. To support SSO, Domino can map the user's WebSphere name (e.g., uid=jdoe/cn=users/dc=myorg/dc=com), to the equivalent Domino user as listed in the Domino directory (e.g., John M Doe/MyCompany). For all Domino operations managed by the Domino HTTP server, name mapping is attempted so that there is a Domino name in use. For example, when a user creates a document in a Domino database, the user's Domino name will be compared against the database ACL (Access Control List) to determine access, instead of using the WebSphere name.

In order for the mapping of a WebSphere name to a Domino name to succeed, the following rules apply:

1. The user's person record in the Domino directory must have the WebSphere name as a secondary value in the fullname field. For example, the Domino user John M Doe/MyCompany has the WebSphere name uid=jdoe/cn=users/dc=myorg/dc=com listed secondarily in the person record fullname field.

2. If Domino is configured to use Directory Assistance, it's possible that the search on a user name such as uid=jdoe/cn=users/dc=myorg/dc=com might yield multiple matches from various directories in the directory search path. Administrators should ensure that when multiple matches do occur, the Domino and LDAP directories on the directory search path should have consistent information for the user's Internet email address. For example, suppose Domino finds these matches:

   -- an entry from a Domino directory for John M Doe/MyCompany (which has uid=jdoe/cn=users/dc=myorg/dc=com as a secondary value in the fullname field)
   -- an entry from an LDAP directory for uid=jdoe/cn=users/dc=myorg/dc=com

   In order for uid=jdoe/cn=users/dc=myorg/dc=com to be mapped to the Domino name (John M Doe/MyCompany), the Internet email address in each of these records must match. If each record has the same Internet email address, such as "jdoe@mycompany.com", then Domino recognizes these records as belonging to the same person and will therefore properly map to the Domino name of John M Doe/MyCompany.

3. If the Domino server configuration includes the ini parameter "NoAmbiguousWebNames", then mapping will not take place if more than one person record is found to apply to the name.

This applies to a situation where the name lookup finds both an LDAP entry with the WebSphere name in it and also finds one or more Domino names to potentially map to (for example as in #2 above). Because the distinguished names in these records are not the same (e.g. one is the Domino name and the other is the WebSphere name), the name mapping should not take place due to the server environment variable setting.

This does NOT apply to duplicate person records found. For example, suppose the search on the user name uid=jdoe/cn=users/dc=myorg/dc=com finds 2 identical person records found for John M Doe/MyCompany (which each has uid=jdoe/cn=users/dc=myorg/dc=com as a secondary value in the fullname field). In this case, the name mapping can take place to the Domino name.

**Note:** If there are issues mapping a WebSphere name to a Domino name, an administrator can output more information to the server log file (log.nsf). This requires adding an environment variable to the server configuration:

```
LOGLEVEL_NAME_MAPPING = 1
```

It is not recommended to enable this environment variable in the usual configuration because of the potential for a high volume of messages that may be logged. Instead, this variable should be turned on to collect information about a mapping problem, and then turned off as soon as possible.
Template compatibility

Client, Designer

**Migrating TeamRoom 4.1 to TeamRoom(R6) must go thru TeamRoom(R5)**
If you have a TeamRoom database that is based upon the TeamRoom 4.1 template, you need to replace the design with TeamRoom(R5) and run the conversion utility BEFORE replacing the design with a TeamRoom(R6) design.

Client

**TeamRoom(R6) Alternate Name Support when migrating from TeamRoom(R5)**
TeamRoom(R6) supports the use of Alternate Names. However, when a TeamRoom(R5) is updated to the Notes/Domino 6 design, the existing documents do not automatically generate alternate names (because the information was not saved when the document was created). Therefore, existing documents need to be opened and resaved by the author before alternate name information can be displayed for the document. Any new documents created after the design update will automatically contain the alternate name information where available and appropriate.

Client

**Personal Stationery Mail is not deleted when archived**
Personal Stationery Mail made with the R5 template will get Archived in N/D 6, but not deleted. This is due to the $NOPURGE value in the doc.
Chapter 6 - History of changes

Overview

Administrator Client, Client, Designer, Server, Domino Web Access

Overview - History of new features and enhancements

Features and enhancements newly introduced in previous Notes/Domino 6 releases are available in this History of Changes chapter. Each release number in this chapter, for example "Notes/Domino 6.0 - initial release", contains a historical listing of features introduced or changed in that release; not all features may be discussed in this section.

Please refer to the "New features" section of the "What’s new?" chapter for a listing of all new features for this current Maintenance Release.

Notes/Domino 6.0 - initial release

Administrator Client, Client, Designer, Server, Domino Web Access

Overview - New Features in IBM Lotus Notes & Domino 6

The following list represents an overview of the new features that are available in IBM Lotus Notes and Domino 6. For more comprehensive information about new features, please refer to the "What’s new?" topic in the Administrator, Designer, and Notes Client on-line Help.

Client

Bookmarks

- From the Bookmark History view, it is now possible to present the History by either Date, Site or Title.
- The Bookmark bar and folders now support drag and drop of OS elements; bookmarks will be created when these elements are dropped onto the bookmark bar, or any of the bookmark folders.
- The Bookmark grid view provides functional equivalence to the Workspace, and has been extended to include folders which are part of the existing bookmark pane. It is now possible to view and navigate to any folder as part of the bookmark grid, and to move items between different folders from the grid view.
- The Multi-select capability within Bookmarks has been extended to allow the selection of items which are not necessarily adjacent to one another. This mechanism allows items which are not adjacent to be selected at the same time, and the appropriate operation applied to all selected items. In addition, users can now bookmark multiple databases from the "Database Open" dialog.
- Users can now select multiple bookmarks and/or bookmark folders for management operations such as Delete, Drag/Drop, or Open.
- A user can now search bookmarks using Edit\Find and Edit\Find Next, in addition to the accelerator key equivalents Ctrl+F and Ctrl+G.
- Bookmark grid control will now display right-to-left, for languages such as Arabic and Hebrew.
Components

- Users can associate a range of text in a document with a certain language, and Spell Checking for that text will use the appropriate language dictionary (if installed).
- Users can switch a language dictionary (if installed) during Spell Checking.
- Spell Checking will allow English language users to specify supplemental dictionaries (currently only Medical may be specified).
- The Action bar applet now supports pulldown menus, instead of displaying a second row of action items. Note that this is not supported on the Macintosh.
- The View applet now displays a horizontal scroll bar, as necessary.
- The Outline applet now also supports horizontal scrolling, allowing you to view entries in their entirety. Additionally, this applet now supports horizontal and vertical alignment attributes.
- Installable Domino Applets are available as an action button, for Internet Explorer and Netscape, through the TeamRoom templates (Windows platform only).
- Users now have the ability to use an IE control instead of Editor applet. Must have IE installed to use this.
- Within Internet Explorer, Notes is now the default alternative program for Mail and Contact list internet services.

Editor

- Descriptive text can now be added to a field's design. This text helps the user know what to select or fill in for that field. The descriptive text disappears when the cursor is placed within the field, and the text is not saved out with the document.
- Designers can now create their own style sheets which can be used to define the look and feel of documents. These documents can then be changed simply by changing the style sheet, without having to change the original documents.
- Sections now support four additional border styles: Windows-caption style, gradient colors, and two tab styles. Designers can also specify that the vertical alignment of a text control match that of the outside text, rather than the control's border.
- Designers can now add an embedded editor (a fully-functional editor) to a form.
- Designers will be able to specify on a form that a document be "sign-on-save".
- Designers can specify the line spacing for 'checkbox' or 'radio button' items.
- Designers can now specify that buttons, check boxes, combo boxes, list boxes, dialog lists, text & related fields, embedded outlines, date picker, and scheduler, be sized relative to font sizes on individual Client machines.
- Designers can specify their own buttons to be identified as the "OK", "Cancel" and "Help" buttons, and these buttons will take on appropriate behavior beyond their script.
- Properties and events can now be accessed and edited for ActiveX controls through the menu choice Applet -> Edit Events and Properties. The programmer's pane is presented, containing the current properties and events, along with their values.
- The @dialog function has a new parameter that allows the OK/Cancel buttons to appear either on the right or on the bottom of the dialog box.
- Users will now have the ability to select borders for text paragraphs. Options include: border style, border effects, and border thickness.
- Notes "guesses" at times and dates based on what a user types in a time or date field, and changes the time or date to the correct format. This feature is disabled by default, and may be enabled through User Preferences.
- A new option for tables allows a size-to-fit column (column width automatically sizes to fit the contents).
- Designers can now specify a style of table called "Captioned table", which allows viewing of only one section/table row at a time. A caption bar is displayed to identify each row.
- Users can now move the contents of a cell, or selected group of cells, up and down within a table using Ctrl+uparrow and Ctrl+downarrow keys.
- Within a form-based table, users are no longer prompted when pasting a table into a field. This essentially hides the fact that a table was used in the form as a layout tool, and reduces users' confusion.
Users will now be able to use the keyboard to tab to table tab headers, and use the left & right arrow keys to navigate among table tabs.

Tabbed tables now support placement of the tabs on any side of the table (top/bottom/left/right).

When creating tabbed tables, users can now specify the offset of the first tab, in pixels from 0-100, from the table edge. In addition, users can now create tabbed tables with equal-sized tabs.

Context-sensitive help will become available for each tabbed page within a tabbed table dialog box.

The Help button will appear on a templated dialog box, if the form’s onHelp event has been specified.

List items within a rich text field can now be moved up or down via keyboard and menu controls.

The Time Picker and Time Zone controls are now accessible via screen readers for the visually impaired.

Screen readers will now be able to obtain the value of a table tab when in focus.

Text pop-ups and HTML field labels are now reported to Microsoft Active Accessibility (MSAA) screen readers, for the visually impaired.

If the HTML title field is left blank, Editor will use text preceding the field as the HTML title. This is useful for meeting accessibility requirements for screen readers.

International

IME is automatically turned off when users are entering fields which do not require IME. For example, users do not use IME to enter dates in a numeric field. This feature is available on the Windows 32 Client only.

Users are able to choose either a primary name or an alternate name when entering data by using the "Select Name Selection" dialog box. In addition, users will have an option to display alternate names in Mail database views/folders, and in various areas in the Rooms/Resources/Reservations database.

For right-to-left language markets (i.e., Arabic, Hebrew), the Calendar View can now be read from right to left, where Monday will be shown at the top right corner and Friday will be shown at the bottom left corner. Additionally, users can now choose another, secondary calendar to appear in their calendar view. Finally, the Date Pickers now also work from right-to-left.

Template designers are able to select the Hijri calendar for each field. When the option is set to "Hijri", the date information in that field is displayed by the Hijri calendar date; input strings are also recognized in Hijri.

Users are now able to select Unicode text or UTF-8 text when exporting a plain text file.

A newly-defined internet character set, which includes the Euro currency sign, is now supported by Notes/Domino internet messages.

There is a new and improved collation and translation algorithm being used in Notes/Domino. This sorting function follows a standard defined by the Unicode consortium.

Mail, Calendaring, and Scheduling

The 'Delete' functionality has been notably enhanced. After selecting and deleting a document, that document will be removed from the open view and now appear only in the Trash folder. The Trash folder now works as a soft delete mechanism. Documents in Trash can be undeleted until they have been hard deleted from the system and are no longer recoverable. Deleting a document from Trash hard deletes the document.

In the Mail file, it is now possible to see the number of items that are Unread within all of the mail file folders.

The Inbox is now automatically refreshed after mail polling; you no longer need to hit 'F9' to refresh. However, there is a preference to turn this feature off, if desired.

The mail template now allows the user to customize colors for messages in the 'Inbox' and 'All Documents' view, based on the sender of the message. Users can change the background color, or the text color, or both, for a message. Users can also select their own color scheme for various entry types in their calendar.

Users can use the mail rule 'Send copy to' to have Notes forward incoming messages automatically on new messages they receive that meet certain conditions. For example, a user could create a rule that checks for messages from a certain sender, or that contain a certain subject, and have Notes automatically 'Send copy to' a certain e-mail account, or cell phone or pager, before they can see them in their In-box.

Users will be able to upgrade the design on all private and shared folders, from any previous version to the current Domino 6 version.
The ambiguous names dialog is easier to use. It is resizeable, displays multiple columns for each name, and includes a "Details" button for getting additional information about a name. In addition, you can sort by any column in the name list.

Reader lists are now respected when trying to mail or route mail to restricted groups. Restricted groups are private groups protected by readers fields.

The Select Addresses dialog is easier to use. It is resizeable, has a new layout, and has an improved keyboard interface.

Users can now use LDAP when searching for names to add to Access Control Lists.

The Attachment Property options have been changed; "View/Launch/Detach" is now "View/Open/Save". There are also two new options "Edit" and "Remove". Selecting "Edit" allows you to make changes to the attachment and retain those changes back in the Notes document after closing the application you used to edit the attachment, and also after saving the Notes document. Selecting "Remove" will remove the attachment from the document.

Users can attach files to documents by dragging files from their operating system into a rich text field in a document. Additionally, users can save attached files by dragging them out of a document and into a folder in their operating system.

The Calendar Entry form has been redesigned, and includes a new Integrated Freetime control within the form. When creating a meeting or appointment, users have the option to override the check against their Calendar profile for free time.

Notes now provides a way to tell the embedded scheduler control which timezone to use for displaying Busytime.

The location of a meeting is now shown in the alarm dialog.

The Rooms and Resources reservation forms and requests have been revised to provide more information and allow more feedback to the requestor. Additionally, a room or resource may now be administered by more than one person, by including a list of the owners. And, single entries created from within the Rooms and Resources Database may now be edited to change the Room/Resource or date and time of the reservation.

As part of enhancements made to the Calendar delegation functionality, a user can now specify an alternate user who should be notified when the first user receives a meeting invitation in their mail file.

Users who use autoprocessing now have the option to decide whether to accept or decline those meeting invitations for which there is a time conflict. Repeating meetings for which there are no conflicts will be autoprocessed.

Meeting, Appointment and Reminder calendar entries now include time zone fields, to specify start and end time zones. You can even specify a different time zone for the start and end times. This feature is especially useful for scheduling airline flights.

In a Group Calendar, users can see the start and end times, description, Chair, and list of attendees for each appointment in a group member's schedule.

Additional actions have been added to allow the Chair of a meeting to: Send Memo to all invitees (regardless of status); Send Memo to meeting participants (those who have responded to the invitation); or Send Memo to invitees who haven't responded.

Using the Print command in Calendar, users can generate a document containing calendar entries which can be printed, edited, and sent to others. Users can also generate a document containing a calendar of entries from a group, which can be edited and sent to others.

Various Calendar entry types have been color-coded to distinguish one type from another.

In the QuickNotes section, users can create "Quick Reminders" that will be added to their calendar.

Scroll bars in the Calendar view can be used to move to a different day.

The 'To Do' view has been enhanced to support in-place editing of existing To Do entries.

The 'Check Calendar' action for a meeting invitation has been enhanced to open the calendar in a dialog. This dialog shows the day the meeting has been proposed for.

Notes now supports copying a calendar entry to the clipboard in iCalendar format, and pasting an iCalendar entry from the clipboard to Notes.

iCalendar messages received in mail are now converted to Notes C&S messages.

The Mail and Calendaring user interfaces have been updated, and their usability has been improved.

The Mail template has been modified so that errors will not be generated when viewing C&S entries from Lotus Notes/Domino releases prior to Domino 6.
The In-box folder of IMAP client mail files can be renamed to an alias. This allows customers to internationalize their users’ In-box folder.

The "Reply without Attachments" choice will remove attachments, graphics, layout regions, or images.

Mail users can now choose to reply to messages "Internet-style", which formats the history in all replies with "->" markers on the left margin (users may select another character to use as the left margin marker). Internet-style replies are also stripped of pictures, attachments, and OLE objects. Choose the action 'Reply->Reply with Internet-Style History' to use this feature.

User Preferences allows a user to select the character(s) and line length for Internet-style quoting. This character and line-length selection is applied to message histories when Internet-style replies are enabled, instead of applying collapsed sections. The character and line-length selection will also be applied whenever a user chooses Edit->Quote Selection for selected text in a document.

The calendar and scheduling views are better-looking and easier to use. Changes include general interface improvements, displaying "To Do" and all-day events at the top of the calendar, and allowing users to change the length of meeting entries by dragging their edges.

In the Work Week view, users can choose the number of days (up to 7), and which days to display.

Calendar View meetings can now be lengthened or shortened by dragging and resizing the meeting in the time-slot view.

Calendar control has a pop-up list for month and year selections.

The Calendar view supports displaying an additional timezone.

New @CheckCalendar command will bring up a dialog with a 1-day view of the specified date.

Monthly calendars can now be printed starting at a specified week, rather than always having the month start at the first week. As many weeks of the following month as will fit on the page can also be printed. Additionally, users can print a monthly calendar so that the more entries a week has, the more space it gets on the page, and can print calendar views even with multiple time zones displayed. These changes are designed for better space efficiency when printing the calendar.

Printing from the Notes Client supports printing of embedded scheduler and outline controls.

The Programming Pane IDE in the Designer has been enhanced to allow designers to add a 'free time' embedded element to a form or page, and to control what information it displays.

Users can now open a vCard attachment and add the contents to Name and Address Book person records. This feature also allows users to drag a url for a vCard or iCal message to the filesystem.

There is a new LotusScript class called NotesUIScheduler. This class works with a new embedded element called Appointment Scheduler to provide template developers with the needed tools to create easier to use appointment workflow.

When reading a message in your Inbox, you can now right-click on any name in the To or cc fields and select from the following commands: Create Memo to, Invite to Meeting, Show Name Details. This feature also works on a list of names. For example, you can select more than one name an use Invite to Meeting to create an invitation.

When composing a new Memo, you can now select delivery options right on the form itself. To display delivery options, use the button on the far right side of the action bar.

**Mobile**

iNotes Web Access provides Notes users with browser-based access to Notes Mail and to Notes Calendar and Scheduling features. iNotes Web Access users can send and receive mail, view their calendars, invite people to meetings, create to do lists, keep a notebook, and work offline. However, users cannot access Notes databases other then their mail file.

After being set up for iNotes Web Access, a user can use both the standard Notes Client and a Web browser to access their mail files. Because both the Notes Client and iNotes Web Access operate on the same underlying user mail file, read and unread marks remain up-to-date, regardless of which Client the user uses to read the mail. Users can also synchronize information in their Personal Address Book with information in their contact list in iNotes Web Access.

Notes users can now store their Notes password in the Macintosh OS keychain. The keychain is a recent feature of the Macintosh OS that allows a user to store all their security information -- including passwords and certificates -- in one place.
Performance

- For increased performance, alarms, subscriptions, and the Web navigator tasks now occur as background tasks.
- Polling for new mail now occurs as a background task.
- File detachment now occurs as a background task. Also, to keep the user better informed, the progress of both the detachment and/or attachment is displayed.
- To increase multi-tasking capability and enhance system performance, database archiving now occurs as a background task.
- Refresh/Replace Design now runs in the background, allowing other tasks to be done while the Refresh/Replace occurs.
- Background printing can now be enabled via the user preference "Process print requests as a background task".
- Replication occurs as a background task, allowing other tasks to be done while the replication runs.
- Agents activated from the Action Menu can run in a separate thread, thus allowing them to run as true background tasks.
- To improve performance, keyword fields now support the option "Allow keyword synonyms". If unchecked, this option will assume that no keyword synonyms are in use.
- Users can now access more than 250 installed fonts from the Notes Client, though there is a limit of 250 fonts within a given document.

Platform Abstraction Layer

- A Macintosh version of NotesMinder is now available. NotesMinder is an application that checks for, and notifies users of, new mail, even when Notes is not running.
- Verity filters have been updated to version 6.55.
- Drag/Drop support has been improved within the Notes Client and Designer.
- The right mouse options for the toolbars provide the capability to turn on/off individual or all toolbars, plus provide access to the configuration dialog. Each Toolbar may be positioned individually on any side of the Client UI.

Printing

- Designers can now specify their own form printing by specifying that the form be included in the print dialog, and defining a set of variables within the form. This allows for printing of labels and simple listings.
- Printing Contact information now supports different print listings (formats); address labels or contact lists.
- Print Preview now works for views.

Productivity

- Field-driven tabbed tables now update the value of the field associated with the table whenever the user changes the current tab.
- The Table menu now allows the user to select an entire table, as well as an entire row(s) an entire column(s) and all cells.
- Embedded controls now support having a border.
- Embedded subprograms, such as views, editors, or outlines, will not launch until needed, if they were initially hidden in a hide-when formula, unseen tabbed table row, or collapsed section.
- Designers can now put multiple views and embedded editors on a form.
- Form backgrounds now support additional styles of repeating images: vertical, horizontal, size-to-fit, and centered.
- Documents which are wider than the current window will automatically have the horizontal scroll bar enabled.
- Sections now support four additional border styles: Windows Caption Look, Gradient, and two tab styles.
- Designers can create rich text fields which are more limited in content, such as only a bitmap or only attachments.
Replication

- The usability of the Replicator page has been improved, and the Replicator page interface has been updated to be more customizable and user-friendly.
- Users can drag databases from their bookmarks to the Replicator icon, or to the Replicator tab, and Notes will add those databases to the list of databases to be replicated.
- Dragging databases to the Replicator icon on the Bookmark bar automatically opens the Replicator page.
- Users can organize databases on the Replicator page into collapsible groups.
- Designers can now specify on a form-by-form basis whether to try and merge conflicts, or ignore them altogether.
- The Replicator page now displays more complete progress indication. The new progress bars within the status bar also provide status updates for replication.
- Users can now set the Replicator page either as a full page or as a "slide-out" bookmark page.
- The Replication Settings Dialog now provides additional truncation options, allowing the user to select the size at which truncation of documents and attachments will occur. A new, advanced form has also been provided for a number of databases, allowing the user to select replication criteria based upon information pertinent to the database.

Security

- Notes 6 includes the new User Security dialog box. It is an easy-to-use interface that brings together the most important aspects of security. You can find the User Security dialog box on the new Security submenu by choosing File - Security - User Security.
- Beginning with Notes 6, users have the ability to log in to Notes using a Smartcard. The user's ID file must be enabled for Smartcard use, where the password that unlocks the ID file is stored on the Smartcard. The advantage of this feature is that it provides two-factor authentication: it requires the use of the Smartcard, and the PIN to unlock the card. Enable and disable Smartcard login through the User Security dialog box.

Template

- Both the Client and Designer include redesigned Welcome pages. A new Welcome page wizard will guide users through the process of customizing their Welcome page.
- The default Welcome page has been redesigned to include some new features: Personal Journal, Tip of the Day, with an option to turn on/off the Tip of the Day, and New Item buttons. Additionally, administrators are able to modify the Tip of the Day list.
- There are now thirteen frameset styles. Users can choose from one to six frames in the new Welcome page wizard. If a user selects the single-frame home page, they can choose from a gallery of different layouts, each with pre-defined content, plus some sections that can be customized by the user, for example, users can select from a variety of themes and colors.
- The Welcome page now provides a "switcher" for each frame, when the user selects multiple frames for their layout. The switcher frame will be closed by default. The switcher consists of hotspots which will switch the contents of the frame directly to the left of it, on a temporary basis, until the user either exits Notes or clicks a different hotspot in the switcher. Users will have the ability to select any Notes database, file system, or web page via the switcher.
- Administrators can now lock the content of any frame in their customized Welcome page. When this is done, individual users will not be able to change the content of the 'locked' frame.
- The preview pane will be available at the bottom of the Welcome page. Documents in the Inbox, Subscriptions, To Do list, or in Notes databases, can be displayed via the preview pane.
- Template dialogs now have a look and feel that is similar to the platform dialog boxes.
- The new Launch Pad feature allows quick, easy access to web links, Notes database links, and users' non-Notes applications.
- Users now have the ability to select any Notes database to display in any frame.
- If a user selects Inbox, Calendar, or To Do as the content for a frame, they will have the additional option of displaying the corresponding action buttons in the frame as well. This will allow users to administer their Calendar or To Do items directly from the Welcome page.
Previously, to configure and run the ‘Out of Office’ agent it had been necessary to have manager access to the mail database. Using the new security model, only Editor access is needed to run the ‘Out of Office’ agent.

In the default Subscription form, the user is presented with a list of fields in the "Subscribed to" database. They can then specify the contents of that field.

There is a new option to display any drive/path on a user’s file system. When a user chooses "File system", they are presented with a dialog box where they can specify the drive/path that they want in that frame. If the user does not have "Notes with IE" selected as their browser in the current location, the file system window will display in a separate window.

A new preference has been added that will prevent To Do entries from appearing on a calendar view. The preference is set via the Calendar view action: Tools->Preferences.

The To Do view now allows you to view by Priority.

TeamRooms will now open to an Announcements view. Anyone with access of "Editor" or higher can create an announcement.

Team leaders can now sort the list of categories in the TeamRoom setup.

Any user can create a group calendar for any subteam within a TeamRoom.

Preview mode is now available on TeamRoom views in the Notes Client.

There is a new hotspot on the Team Members tab of the TeamRoom Setup form by which a user can create a group calendar for either the entire team or a selected subteam.

TeamRoom supports alternate names. All team member profiles now have a hidden field which holds the user's alternate name, and an additional field for the team member's alternate language.

From the Inactive Documents view in the TeamRoom, a user can mark an inactive document as Active again.

In the TeamRoom Setup form, there is a new button called 'Manage Subteam Lists'. From this dialog box, you can add or remove a team member's name from a subteam.

TeamRoom team members can create individual (weekly) status reports, based on their subteam name. In addition, team members can view all individual status reports in the "Individual Status Reports" view.

A user can now create a selective replica in the TeamRoom database through use of a single form.

After creating the team member documents in a new teamroom, the team leader can click "Update ACL" and easily add each team member to the Access Control List, and can select the access level for each team member.

Users can now easily create a selective replica in their Mail database, Discussion database, or Public Name & Address book.

The "mail.box" database, Cluster database, Log database, Schema database, and Directory Assistance database are now all accessible from the web.

For MS Outlook users, it is now possible to choose to work in an online mail database only. By selecting this option from the iNotes Access for MS Outlook download page, users can save space on their hard drive and shorten install time.

The MS Office template (doclbm5.ntf) has added several new features. You can now "migrate" existing MS Office documents from a central location via a Migration Tool, or manually via the template menus (select and open MS Office document). Each MS Office document will get embedded as an OLE object in a Notes document. You can create MS Word documents based on a specific template as well.

View

The View menu has changed to further promote usability. New options such as "Starts with" (launches a type-ahead search dialog) and "Customize this View" (allows you to show/hide columns, change item order, etc.) have been added.

Mouseover "pop-up help" text has been added to everything in the Search Bar, including the extended ("More") area. Hold the mouse over a section of the user interface to see pop-up help.

Views now support grid lines. This feature is used specifically by the To Do view to improve its usability, but is also available in any view.

Views allow you to create new documents at view level; as an example, the $Todo view in the Mail6.ntf to allow users to create a new To Do at the view level. A new property in view design needs to be set to enable this feature.
- View lines can be color-coded programmatically, based on a formula.
- Horizontal scroll bars now automatically appear as necessary.
- Designers can now create views that allow users to create new documents directly in standard views.
- Designers can now specify margins (top, bottom, left & right) around Standard and Calendar views from the Style tab of the View Properties box.
- Time slots are shown in the Calendar if the designer has checked "Enable Time-slot" option in the designer infobox.
- Designers can determine font/color of time slots, month name(s), and day names, and day numbers from the style panel of the Calendar View infobox.
- Users can now click on a column entry within a View, either Database style or Calendar style, and enter into an edit mode that allows data to be changed in-place. Thus, the user can edit certain types of documents without having to double-click and open the document form. Edit mode is also available by pressing the 'F2' key.
- Date picker can now drive the Calendar view in a specific frame, rather than in all frames.
- When re-sizing an entry in the Calendar view, a pop-up will dynamically show the current time position.
- Columns can be hidden based on a formula, and resource links can be used to specify icons for columns which aren't in the fixed list provided by a view.
- Multiple icons may be specified/displayed within a view column. Icons have been updated to improve their usability.
- Currency and date/time formats can be specified for view columns.
- Users can re-order and resize the columns in a view. Any changes will be saved and restored the next time the user revisits that view.
- Improvements allow designers to have better control of the simple appearance properties for both an embedded view found in a document, and for a resource-linked view found in the frame of a frameset (i.e., Show/Hide Column Headers, Action bar, etc.) In addition, there is a new embedded view option to show the parent and child(ren) of the current document.
- Embedded views are printable.
- Designers are able to control whether the action bar and/or the selection margin for embedded views are shown
- Added ability for designers to specify that embedded view elements are rendered as underlined text, to make it more obvious to the user that it is a clickable item.
- Users are able to print documents containing embedded documents.
- A user can now reorder the window tabs by dragging them.
- Users can search on the results of a full-text database search.
- Users will be able to set a preference to show the 'Window' menu, which allows better usability for the visually impaired.
- Users can specify that the Notes Client window be obscured when the user's ID is locked.
- Upon exiting a database, the size of re-sized frames (framesets or multiple-paned layouts) can now be saved.
- Users can now specify a bitmap to be used on their logout window.
- Designers can now turn off the line which is drawn next to the selection margin.
- View->Design now provides an option for the designer to specify 'Bold' when displaying unread lines in a view.
- Designer includes support for the display of a background image for a view.
- Designers can now specify a background for the date picker control.
- Notes 6 includes context-sensitive action buttons. View action hide-when formulas will be evaluated every time the selection entry in a view changes. This will allow the designer to present only those actions which are appropriate for the highlighted document to the user.
- New @Command - ([RefreshFrame]; [targetframe]) - allows application designers to refresh a particular frame in the Notes Client.
**Designer**

**Bookmarks**
- Users can now create arbitrary levels of folders in the Domino Designer bookmark pane, allowing for greater customization and organization of the design environment.
- Users can select multiple databases in the 'Open Database' dialog, and create multiple bookmarks at one time.
- Design elements can be opened directly from bookmarks by expanding the list of design elements, clicking on the icon for the design element type, and then clicking on the design element of interest.
- Designer now allows the user to drag database and folder icons around within the Designer bookmarks. Folders can be moved into other folders, and databases can be promoted to the bookmark bar, allowing for greater customization and organization of the design environment.
- Designers can create collections of arbitrary design elements in a database by creating a folder that is parented by the database, and dragging and dropping design elements into that folder.

**Design Elements**
- The ability to create a customized Tools menu now allows application designers to extend the Designer environment by including their own custom formulas or third party tools.
- Layers, which can contain any element that a page or form can contain (for example, text, graphics, links, and so on), allow a designer to position overlapping blocks of content anywhere on a page or form.
- Resources, such as images, shared fields, subforms, applets, and embedded views, can now be referenced and shared across databases. Additionally, Notes Client users can now access and manage their own image resources to consolidate the definition of images in a central repository.
- New border styles allow the use of a shared image as a border, and include a new style called "Picture", which makes an image look like an instant photo.
- The Agent design list is now sortable.
- An action can now be displayed as a checkbox instead of a button. The associated menu item will also support a checked state.
- Designer will now be able to specify 3D, simple, or no border for all native-style controls.
- Customizable twisties allow designers to specify specific bitmaps (also called an image well) for use to identify sections as "collapsed" or "expanded".
- Embedded outlines now can be programmed through the Designer Programming Pane.
- Users may generate reports on their database design by applying an XSL style sheet to the DXL output of one or more design elements.
- In multilingual databases, designers can now provide different language versions of shared fields, and manipulate the shared action Notes creates for each language.
- Formulas can now be used to specify the kind, database, and name of a design element for named elements in frames and link hotspots.
- Users with "Editor" access in the Access Control List can now enable agents. Note that this is allowed only if the agent is set to allow activation by editors (via the second tab in the agent builder).
- Designers can specify that the same JavaScript be used for both Notes and the web by selecting "Common JavaScript" from the dropdown 'language' list in the programmer's pane.
- In addition to selecting HTML or Java Applet for editing rich text on the web, there is a new option, 'Best Fit for OS', that will use the IE ActiveX edit control on IE 5.0 or higher browsers running on Win32 system.
- ActiveX control properties can now be edited through property sheets.
- The Design Synopsis feature now displays Hide-When formulas associated with design elements.
- Shared Actions are now listed under Resources-Shared Actions in the design pane, instead of under Resources-Other-Shared Actions.
- Designers can indicate that design elements and other design components are specifically intended for mobile clients, or indicate that a design element should be hidden from mobile clients, in the same way design elements may be hidden from web or Notes clients.
- Design elements that specifically inherit from a template are now marked with a bitmap in the design list.
Fields, Functions, & Events

- @GetField(fieldName) returns the value of the field, which is a text parameter. @ThisName returns the name of the current field. @ThisValue returns the value of the current field. These new functions allow for portable code.
- Enhancements to the Designer allow designers to configure a new Time Zone control (available in Meeting, Appointment, and Reminder calendar entries).
- There is a new field property called Input Enabled which is available for all field types, with the exception of Rich Text and Rich Text Lite. This property only works when field style is set to 'Native OS only'.
- Field.OnChange event: added to Field object.
- NotesUIDocument.PostSend event: occurs after a document has been sent (mailed)
- NotesUIDocument.QuerySend event: occurs before a document is sent (mailed)
- NotesUIDocument.QueryRecalc event: occurs before a document is recalculated.

Programmability

- New versions of LotusScript (5.0) and JavaScript (1.4) are available, and a new version of the Java Virtual Machine (JVM 1.3.1) is available. **Note:** For Macintosh, the JVM uses the OS installed version, which is different depending on the OS version.
- Extensive additions have been made to both the LotusScript/OLE interface to Domino, and the Java interface.
- The COM interface has not been updated; the CORBA interface has not been updated, with a few exceptions.
- For a complete list of programmability changes, please see the "What's new in this release?" topic in the Domino Designer on-line Help.

Programming and Data Management

- Support for a project model that allows designers to build, organize, and deploy complex applications that combine NSF with non-NSF files.
- Designer now supports Data Connection Resources (DCR) which define links from Notes applications to other external data sources. That is, there is a Notes/Oracle connector, Notes/DB2 connector, etc. This feature enhances the ability to exchange data between Notes and non-Notes applications.
- Designers can now specify that forms and pages have content (MIME) types other than HTML.
- Form design now supports the ability to edit the HTML representation of a form, with the option to save changes to either the native object or to the HTML object.
- When editing HTML in the HTML view, a preview window is now available to allow visual feedback.
- Pass-thru HTML on forms and pages now renders in Notes Client. Pass-thru HTML in rich text fields still displays as raw HTML.
- JavaScript code can now be stored in Script Libraries to allow designers a place to define common JavaScript functions so that code doesn’t have to be repeated in many forms/views/pages or shared elements. Allows for easier maintenance of JavaScript code.
- The UI now provides a mechanism that enables users to recompile all of the LotusScript in their application. In addition, support for tools for debugging server-based LotusScript agents is now included.
- The Open statement in LotusScript has been extended to include a code page. This allows the script writer to handle character sets in different code pages than the current platform that the script is running on.
- Autocomplete support is now available for LotusScript editing.
- The LotusScript IDE now supports code sections that are larger than 64K.
- Any viewable or editable source code can be printed from the programmer’s pane.

Properties

- Color choices are being standardized by using one color-picker instead of the two previously available.
- Certain common properties can be set on more than one selected design element.
Server

Administration

- Lotus Domino 6 now includes a brand new Web Administration Client which closely resembles the W32 Administrator Client.
- Administrators can now create and deploy customized Welcome pages to their Notes users.
- Administrators are no longer limited to 2 characters for middle name/initial information during person management operations (registration, rename, etc.). A full middle name may now be used.
- Server activity logging has been enhanced to capture detailed information about Notes sessions, databases, passthus, and scheduled agent activities, as well as information about POP3, SMTP, HTTP, IMAP, NNTP, and LDAP activity.
- The Activity Trends feature exploits Domino 6 activity logging to automate server workload analysis and redistribution. This feature's UI will be part of the separately sold/marketed IBM Tivoli Analyzer for Lotus Domino product, and is integrated within the Administrator Client Server Monitoring pane.
- The Domino Administrator Log Analysis Tool has been extended to capture enhanced server activity logging data.
- ADSync extends and expands the functionality of Notes User Manager Extension for the Microsoft Active Directory in Windows 2000. ADSync enables you to register, synchronize properties and passwords, and rename and delete users and groups in the Domino Directory when such actions are performed in the Active Directory. Features include container and property mappings between two directories, and the use of policies for registering users.
- Archiving/documentation retention has been enhanced to give the Notes Administrator the ability to set and manage all archive settings for users through policy-based management. In addition to the administrator having the ability to set the archive settings, they can also allow/disallow the end user to create "private" archive settings which apply only to their own database. The new archiving functionality also allows more than one set of archive criteria and archive destinations. Finally, the archive log has been updated to the Domino 6 look and feel.
- Some of the features performed via the Domino Administrator are now executed in the background. In previous releases, these features prevented the execution of any other features until processing was complete.
- Database management has been enhanced in Domino 6 by using server clusters to manage some tasks, including: dragging & dropping databases to a cluster, specifying which cluster members get a replica, and allowing users to select cluster mates as targets when using File->Database->New, New Replica, and New Copy dialogs.
- The user registration UI and registration preferences in the Administration Preferences dialog now allow the administrator to select Certificate Authority (CA) configured certifiers to register users. The administrator must first set up the CA process on a domain server, and must select a certifier from the UI list that is configured to use the CA process. This feature allows administrators to register users without having to provide a physical certifier ID and certifier password before or during registration.
- Servers now support the ability to save a copy of all messages, including text, for long term archiving.
- The user interface for managing server task scheduling has been improved to include scheduled tasks such as mail routing, agents, program docs, etc.
- Administrators now have the ability to monitor the performance of their Domino Server Statistics in real-time, historical or by trend, through a graphical interface. Administrators can specify sets of statistics, and select any server.
- The server console now has the ability to log a text file. This allows the STDOUT to go to a file which does not tie up the machine, and which can be looked at off-line.
- The RegisterNewUser method has been updated for Domino 6. The new RegisterNewUserWithPolicy method allows administrators to supply name, password and policy name to register a new user.
- Administrators can now create multiple, different default registration settings for users through the creation of policies and registration policy settings documents. If you have policies that include registration policy settings in place before you register users, these settings set default user registration values.
- The Windows 2000 Event Viewer can now display error messages related to generating Domino statistics within the Performance Monitor.
Agents

- Domino 6 contains several new rules for agent security; the fields controlling new security functionality are in the server record of the Name and Address Book.
- Domino 6 supports two modes of enabling agents - one mode enables an agent to run, as well as signing it (the same as in R5); the second mode only enables the agent to run without changing the signature (we sometimes refer to this mode of enabling as 'activation'). The mode of the agent is controlled by the "Activatable by user" setting on the second tab of the agent builder info box. The agent can be enabled (activated) by Editor level users when the agent is in the "Activatable by user" mode.

Directory - General

- You can choose an alternative centralized directory setup consisting of a full Domino directory holding enterprise user, group and mail-in database records hosted in a central location combined with small configuration directories holding Domino configuration information hosted on individual servers.
- You can use Extended ACLs, implemented in the Domino Directory, Extended Directory Catalog, and Administration Requests databases, to refine the database ACL and set access for authenticated users at the document and field level.
- Users are now able to select whether a directory should be served up by LDAP, NAMELookup, or both.
- A Multiple Organization Domino Directory allows a Service Provider to store directory information for multiple organizations within a single Domino Directory. Through the use of Extended ACLs, users of a Multiple Organization Domino Directory have access only to their organization's information.
- Directory assistance can now use cluster failover to fail over to an alternate replica of a Domino Directory.
- The ability to authenticate Internet clients in a secondary directory (Domino or 3rd party LDAP) has been extended to include IMAP, POP3, LDAP and NNTP clients. Previously this capability was available only for clients connecting over HTTP.
- You can put groups used for database authorization in one secondary Domino Directory or in one external LDAP directory, in addition to the primary Domino Directory; previously you could put authorization groups only in one external LDAP directory in addition to the primary Domino Directory. Note that you can't put authorization groups in both of these directory locations.
- Domino 6 provides the ability to define a custom filter for groups and users, and a timeout limit.
- These new statistics related to directory lookups are available: Database.NAMELookupTotal; Database.NAMELookupTotalLookupTime; Database.LDAP.NAMELookupTotal; Database.LDAP.NAMELookupTotalLookupTime; LDAP.Total LDAPSearchTime.
- These new statistics related to Directory Assistance are available: Database.DAReloadCount, Database.DARefreshServerInfoCount, Database.DAFailoverCount

Directory - LDAP

- The LDAP service schema improvements include: complete support for LDAP RFCs 2252, 2256, 2798, 2247, 2739, 2079, 1274; new Domino LDAP Schema database (SCHEMA.NSF) used as a tool for maintaining and extending the schema; an automatic schema maintenance process, true object class inheritance; faster schema loading; and support for the namingContext operational attribute defined in LDAP standard RFC 2251.
- If you enable Extended ACLs on Domino Directory or Extended Directory Catalog, LDAP search and NameLookup utilize Database ACLs and Extended ACLs to return appropriate results.
- The LDAP service now supports arbitrary distinguished names.
- You can now configure some LDAP settings in the Domain Configuration record instead of placing them in Notes.ini. These LDAP configuration settings can now be set/modified dynamically.
- The LDAP service now returns appropriate results when an LDAP client searches for vendor information attributes.
- Activity logging for the LDAP service provides the ability to more easily determine who is reading/writing objects in the directory.
- The average time to complete an LDAP search transaction and the amount of CPU time used in completing a search transaction have been reduced.
You can now override the built-in search filters used by Directory Assistance when searching an LDAP directory by specifying custom LDAP filters for mail address lookups, client authentication credentials lookups, and group authorization lookups (i.e. expanding groups on ACLs).

You can include more than one value in the Hostname field in an LDAP Directory Assistance document, so that if the first server specified is unavailable, Directory Assistance can fail over to another LDAP server.

The LDAP address picker will chase references to other LDAP servers.

There is a new migration tool that enables you to migrate person and group entries directly from an LDAP directory server into the Domino Directory.

**Domino Hosting Environment**

- The Lotus Domino 6 server includes new hosting features that allow multiple organizations to be transparently hosted by a single Domino server. Clients from different hosted companies access their data from the same logical server, securely, using standard internet protocols. Internet protocols supported for Domino 6 include: HTTP, IIOP, IMAP, LDAP, POP3, SMTP, SSL and DOLS access.
- The Domino Hosting Environment simplifies server administration and application support. The administrator works with only one server, yet each organization on that server can function as if it is hosted by its own unique server. For example, each organization has its own HTTP application and file location, with organization-specific authentication controls. The Domino Directory template and associated server tasks have been modified to allow granular configuration control for each hosted organization.

**International**

- The string resources used in the Domino servers are switched to the proper language. The language is selected based on the Web browser’s accept language setting, so one Domino server is able to serve multiple language clients at once.
- Web access users can configure their preferences, and keep that configuration over their sessions. The configurable preferences are: 1) timezone, 2) date/time format, and 3) number format. The information is stored on the Web browser using cookies.

**Messaging**

- The IMAP server now supports the NAMESPACE extension, which allows an IMAP client to view folders in another user’s mail file, or view public folders in a shared database.
- Mail file quota processing has been enhanced, allowing administrator control over message disposition and notification to the owner of a mail file.
- The IMAP server has been rearchitected for performance, scalability and robustness.
- Support for Realtime Blackhole Lists (RBLs). RBLs are databases used to track SMTP servers that permit third-party relay.
- System-level mail rules allow administrators to specify message criteria, and actions to be taken, for all messages processed on a server.

**Monitoring**

- You can view OS platform statistics from the Domino console along with your Domino server statistics. This provides for easier Domino server monitoring and tuning.
- Domino platform statistics displays operating system level statistics like CPU, Memory and Disk I/O.
  1. Via the Domino console or Administrative Panel remote console you can determine system resource consumption of the Domino server.
  2. To view platform statistics, issue the Domino console command "show stat platform".
  3. Platform statistics can be viewed on NT, OS/400, Solaris, Win2K, and AIX 4.3.3.
  4. Individual network names are shown in platform statistics, and all network adapter names are supported.
  5. Domino platform statistics are now enabled by default on the Domino server.
• Server Health Monitoring (SHM) extracts the Domino name lookup stats, and determines whether the lookup time is Normal, Significant, or Critical.

• SHM supports analysis of the health of all server types supported by Domino, and of the newly-provided Domino Network Platform statistics on Win32, AIX, and Solaris platforms.

• This feature's UI will be part of the separately sold/marketed IBM Tivoli Analyzer for Lotus Domino product, and is integrated within the Administrator Client Server Monitoring pane.

Network

• Support for Vines and Appletalk as a network protocol has been removed from all platforms. The support for SPX has been removed from UNIX platforms. Note that it is still possible to manage servers installed prior to Domino 6 that use these protocols from Domino 6 servers.

• iNotes Access for Microsoft Outlook allows MS Outlook users to fully participate in Mail and C&S functions using a Domino back-end, while fully interworking with Notes users. Additionally, this service may be installed using a Web Browser (using DOLS technology) and may be used without installing a Notes Client.

• To assist users who travel frequently to many locations, and who need to dial their ISP from those locations using the proper local phone numbers, a new phonebook database has been introduced. This phonebook is populated with ISP phone numbers for various locations by either the site administrator or the end user, and is accessed by the phonebook dialog when connecting to a server.

• Network compression is now available for each enabled network port, and can speed up data transmission between a Notes Client and Domino server, or between two Domino servers. Additionally, there may be a reduction in network traffic when compression is enabled. Note that there are additional memory and CPU costs involved with performing compression, which should be considered before compression is enabled.

• Domino 6 provides support for the IPv6 protocol.

• Thread pooling support -- introduced in Domino 5 to the database server for the NRPC protocol -- has been extended in Domino 6 to the Internet servers for IMAP, POP3, SMTP, LDAP, ICM, and IIOP, increasing their scalability by reducing per connection CPU utilization and memory. Thread Pooling support allows the server to switch from using one thread per user/connection to using a small pool of threads for a much larger number of user/connections.

Policy-based Management

• Domino Administrators can create policies, and then using an established hierarchy, automatically distribute those policies across a group, a department, or an entire organization. The use of policies makes it easy for administrators to establish and maintain standard settings and configurations, and automates redundant administrative tasks.

Programmability

• A Notes DateTime object can now be created from a Java Calendar object.

• The new DIIOP task supports the HTTP request for creating a session, and includes support for DIIOP in a Service Provider environment.

• The ACL activity log is now available programmatically.

• Rich Text enhancements to back-end classes include: the ability to specify colors and styles for tables; the ability to search for strings to begin inserts or set range boundaries, and the ability to Replace one string with another in RichTextItem; the ability to enumerate and access embedded objects from within RichText editing framework; a Navigator property on the RichTextRange object (to do bounded navigation within a specified range); and the ability to begin an insert operation in a RichTextItem at a specific text offset, or after searching for a string;

• A NotesStream class has been provided, to input/output MIME and XML content.

• Programmatic access to MIME via Backend Classes using both LotusScript and Java interfaces is now available.
Security

- HTTP password management allows administrators to set password restrictions on users configured in the Domino Directory. Restrictions include: the ability to set an expiration period on an Internet password; a grace period for re-setting Internet passwords; the requirement to change an Internet password immediately; and lockout internet access for users, requiring password. Administrators can also set internet password quality and length.

- SSL session resumption allows for the cryptographic work of authenticating over SSL to occur only on the first connection, with all subsequent connections re-using the existing keying information.

- When a Site document is created for a given Internet protocol, a server will use that site document to obtain SSL security settings for that protocol, rather than from the Server document. New settings have been added to the Site document security settings to control the use of Certificate Revocation Lists (CRLs). These settings do not appear in the server document. The security settings are passed into trust policy code for use during certificate chain evaluation.

- Administrators can now synchronize users' Notes password with the Internet password stored in the person record in the Domino Directory. To do this, the administrator can set the 'Allow synchronization flag' in the Person record; the next time the user authenticates to the mail server, an adminp request is created, which changes the Internet password in the Domino Directory to the password used to unlock the Notes ID file.

- Administrators now have the ability to create Certificate Revocation Lists (CRLs), as part of the new Domino 6 CA. CRLs can be configured to be published on a regularly scheduled basis, and posted in the CA's certifier document in the Domino Directory. This will allow the revocation status of a certificate to be verified before trusting it.

- Administrators can push Admin ECLs to their clients dynamically, as needed. This solves the issue of those instances when clients get the default ECL (rather than the Admin ECL) during setup because they are disconnected from the directory, and provides for a more timely delivery of updates.

WebDAV

- Domino supports WebDAV for remote editing of resources in a Domino database.

Web Server

- Web Server search results can now be in the same order as View, when "Keep current order" is selected for sort options.

- Search result template forms no longer require author access.

- An additional field has been added to HTTP logging (supported for logging to text files and to domlog.nsf). This field records the full pathname of the file-system resource (database, text file, or cgi program) accessed by the request. For example, if the request was "http://server/sales.nsf", the field would record "c:/lotus/domino/data/sales.nsf".

- Support for JavaScript Library allows applications the ability to store JavaScript routines once in the database without requiring developers to copy/paste useful routines from one form into another.

Client, Designer

Installable Applets

Installable applets are now supported, only for the Windows platform, for Internet Explorer 4.0 and above and Netscape 4.5 - 4.7 (Netscape 6.0 is currently not supported). Installable applets provide better performance by installing a copy of each Domino applet to the local file system, decreasing page load times and decreasing web traffic. Each request made by the web browser for a Domino applet will result in the use of the installed applet; in the event there is a newer version of the applet on the server, the browser will update the locally-stored applets with the new ones.

**NOTE:** When running Internet Explorer all Domino applets are installed, however due to security restrictions, only the View and Editor applets are installed when running Netscape.

1. To enable installable applets, first create a database with the Notes 6 TeamRoom template.

2. View this database on the web with a browser that supports Java applets and the Installable Applets feature.
3. Click on the action button labeled "Installable Applets" and select "Install Applets". If your browser is capable of installing the applets you will be presented with some dialogs instructing you to allow for the applets to be installed. Select 'Yes' to these dialogs.

4. If you are using Netscape you must restart your browser in order for the changes to take effect. For Internet Explorer the changes will take effect on the next page loaded from the server. **NOTE**: If the next page is loaded from cache, the applets may still be loaded from the server.

5. Should the need arise to uninstall the applets simply select "Uninstall Applets" from the "Installable Applets" action button and answer 'Yes' to the security dialogs. For Netscape you will need to restart the browser before the uninstall takes effect. For Internet Explorer the changes will take effect on the next page loaded from the server. **NOTE**: If the next page is loaded from cache, the applets may still be loaded from the local file system.

**Known issues**

- **Cookies**: The installable applets make use of Cookies. Cookies must be enabled on the web browser in order to properly install the Domino applets.

- **Dual boot systems**: Installable applets may not function properly when installed dual boot systems. Particularly in Netscape, if the applets are installed in the OS of one boot sector that shares the same "Netscape\Communicator\Program\java\download" directory with another OS in another boot sector, Netscape will try to run the installed applets in either OS but the proper registry settings will only appear on the OS it was installed on. When running in an OS that does not contain the proper registry settings, the applets may not be uninstalled or updated.

- **Netscape restart issue**: After the user has installed the applets in Netscape he/she must restart the browser before the applets will actually run from their installed state. Until the user restarts, the applets will continue to be loaded from the server. This also holds true for uninstalling as well. After the user uninstalls the applets in Netscape he/she must restart the browser. Until the user restarts the browser, the applets will be loaded from the local file system and not from the server.

- **Uninstall in Internet Explorer**: To uninstall the applets under Internet Explorer, the user must return to the server from which they had installed the applets and run the uninstall action. If a user uninstalls on a server that they did not install from, the applets will be loaded from all servers except the one that they had originally installed from.

- **How to fix a bad install/uninstall state**: If you are unable to run the applets properly after you have tried to install or uninstall them, there is a way to resolve this.

  **Internet Explorer**: First remove all cookies that are related to any notes servers that you have accessed or just remove all of your cookies if possible. Then click on Tools->Internet options, click the "Settings" button, click the "View Objects" button, then right click on the object named "DominoApplets" and select remove, then restart the browser.

  **Netscape**: Remove all cookies that are related to any notes servers that you have accessed or just remove all of your cookies if possible. Cookies for Netscape are typically located in c:\ProgramFiles\Netscape\Users\[username]\cookies.txt. You can either delete the whole file or open the file in a text editor and delete the cookies line by line. This must not be done while Netscape is running. Start up Netscape, click Edit->Preferences, click the Advanced\SmartUpdate category, click on the entry named "DominoApplets", click the "Uninstall" button, and restart the browser.

**Client**

**Client - Applying multiple meeting updates automatically**

New in Notes 6, users will be prompted "You have Unprocessed Notices", any time they access a single or repeating meeting for which an outstanding update or reschedule notice exists. The unprocessed notices dialog will cite the number of outstanding notices, and will allow users to "Continue opening.." the document they were opening, to "Open unprocessed notices, beginning with the oldest one", or to "Have Notes automatically process all of these notices for you".
Any of these selections will work correctly, but it is recommended that users should generally opt for the automatic processing. This is because it can be confusing to wade through updates individually, in cases where several updates have been made to a single meeting or repeat set. Also, if a user overrides the prompting to apply updates ("Continue opening."), they can then perform actions on old meeting data, which may not be appropriate (e.g., can delegate old information).

If any of the outstanding updates are reschedules, and the user opts to "Have Notes automatically process.." (batch processing), the reschedule(s) will be automatically applied to the user's calendar, and an acceptance notice is sent to the meeting's chair. The user can subsequently decline the meeting, but user's should be aware that batch processing will always automatically accept. This can include meetings that a user has previously declined, if the user specified "Keep me informed of updates" when they declined the meeting. In this case, the assumption is that the user could not make the original date/time, but expressed future interest in the meeting, and will likely be interested in attending if the meeting is rescheduled.

Client

**Client - Client configuration (setup) changes in Notes 6**

A new client configuration wizard, which runs after install for a first time setup, or the first time a user roams to a machine, is available in Lotus Notes 6.

Differences from the previous configuration wizard include:

- The ordering of things is different, for instance if the id file is found on the server, it doesn't ask you to provide one. Also if the server can be accessed via the LAN, you are not asked to set up a phone connection.
- The configuration process has been broken into modules with each piece being completed before the next one starts. This improves error detection before the input stage is completed, allowing users to correct errors. It also means that after you have connected to the server, and your local address book has been created, you can no longer "cancel" the configuration, you can only "cancel" the yet-to-be-completed components.
- For roaming users, after connecting to the server and replicating the roaming databases, no further questions are asked. These configurations are assumed to have been completed on the initial client configuration.

Client, Designer

**Client - Drag and drop enhancements from Windows desktop/folder**

Notes 6 has enhanced the ability to drag and drop a file from the Windows desktop/folder to a Notes document or form. Prior to Notes 6, a straight drag and drop would result in an embedded OLE object in the Notes document, if you had that specific application installed; if that application was not installed the file would get attached.

Now, the default behavior will always be an attachment. If you still wish the end result to be an OLE object, right-click on your mouse, and drag and drop the file into a Notes document. When you release the file in Notes you will have three choices:

- Move here
- Copy here
- Create Embedded Object here

Select "Create Embedded Object here" in order to embed an OLE object in the Notes document.

**Known issues**

- Selecting "Move here" after performing a right-click drag and drop currently works as a copy.
- You can only drag and drop one file at a time.
**Client**

**Client - New Mail Indicators and Notifications**

**Additional Visual New Mail Indicator**

Notes 6 has an additional visual new mail indicator on Windows clients, which is less obtrusive than the standard new mail notification popup. This new mail icon can now be displayed in the Windows taskbar notification area (sometimes referred to as the "system tray") when the Client detects new mail. The icon will disappear when the user reads a new mail message or double-clicks on the icon in the system tray. Double-clicking on the icon will also open the user's mail file. Hovering the mouse cursor over the icon in the system tray will display the same "You have new mail..." message that is displayed in the Notes Client status bar.

This new indicator will not be displayed if Notes Minder is already running. This feature can be disabled in "User Preferences" on the "Mail" tab, by unchecking the "Show an icon in System Tray" setting.

**Enhanced Status Bar Message**

The "You have new mail..." message has been enhanced to include the server name of the server that new mail was detected on. The message will only include a server name if you are using a server-based mail file; if you are using a local replica the message will not contain a server name. This is intended to assist the user in viewing (finding) new mail when server failover has occurred.

**New Mail Notification Will Trigger an Immediate Replication with Local Mail File Replica**

If you are using a local mail file replica and are connected to a network, a new mail notification from a server can cause an immediate replication of the mail file. When you have an open connection to a server that contains a replica of your mail file, that server can send the Notes Client a new mail notification outside of the Notes Client's "Check for New Mail" interval. These notifications are sometimes referred to as "asynchronous" notifications.

If the Notes Client receives an asynchronous notification, and the "Mail Addressing" field in the Mail settings of the Location record is set to "Local and Server", then an immediate replication of the mail file will take place.

**Client**

**Client - Notes 6 supports Java Agents on Macintosh OS 9**

Java agents are now supported in the Macintosh version of Notes under MacOS 9.x ("Classic"). They are, however, not supported under Mac OS X.

**Client, Server**

**Client - Notes Rich Text to MIME conversion includes HTML**

Notes Rich Text documents that are converted to MIME will now include a text/html body part, in addition to a text/plain part in a multipart/alternative part. Any images that were in the Rich Text document will be converted to GIFs or JPEGs, and referenced by their content-ID in a multipart/related part. Attachments will still be in the multipart/mixed part.
Client - Populating the To field for certificate renewal request

In previous releases of Notes, users often did not know how to address requests for certificate renewal. When a user's Notes certificate was due to expire, the user was prompted to request a new certificate. The user was presented with a Mail Certificate Request, in which the subject field was completed, but in which the 'To' field was not. As a result, users had to go through the time-consuming and often frustrating process of determining the correct e-mail address to send the request.

In Notes 6, Notes will use the following process to determine the mail address for the user's certifier. First, it extracts the certifier name from the user name. Then, Notes does a name look-up for that certifier; if it finds an entry, it will check the certifier's MailAddress field first for an address or name to which to send the certificate request (in the Domino Directory, the MailAddress field may be viewed by opening the Notes Certifier record listed under Server - Certificates, click on Contact Information, and see the "Other mail address" information). If the MailAddress field is empty, then the LocalAdmin field is checked. If neither of those two are present, it looks for the person record in the Domino Directory, and looks in the LocalAdmin group for any matches for that user. If none are present, then the field remains blank.

Note: If a user attempts to create a certificate request while in disconnected mode, the 'To' field will remain blank, as Notes will be unable to do a name lookup on the server.

In order for the name lookup process to work, there needs to be a designated destination for certificate requests. It is strongly recommended that administrators should designate mail addresses, or mail-in databases, for handling certification requests. In addition, all certifier documents in the Domino Directory should be updated with that information.

Client - Smartcard Support

Smartcard support has been added to Lotus Notes 6.

Notes Password on a Smartcard:

It is currently possible to lock an ID file such that a smartcard and smartcard PIN are required, instead of the Notes password. Removing the smartcard from the reader will then log the user out of Notes. This feature can be enabled through the following steps:

1. Ensure that your ID file is recoverable via ID File Recovery, and that your ID file is not configured for password expiration in your person document on your server's public directory.
2. Install the smartcard reader hardware and software, following the instructions provided by the smartcard vendor.
3. Open the User Security Panel (File -> Security -> User Security)
4. Open the Your Identity // Your Smartcard Pane
5. Enter the path or browse to the location of the PKCS #11 library, installed by the smartcard installation. Some sample paths and names are listed below:
   - c:\WINNT\system32\gclib.dll (GemSAFE 3.1)
   - c:\WINNT\system32\acpkcs201.dll (ActivCard Gold 2.2)
   - c:\WINNT\system32\pk2priv.dll (GemSAFE 2.21)
   - c:\Program Files\Netscape\Communicator\Program\acpkcs.dll
   - c:\Schlumberger\Smart Cards and Terminals\Cyberflex Access Kits\v4\slbck.dll (Schlumberger Cyberflex Access V4.3)
   - c:\Schlumberger\Smart Cards and Terminals\Common Files\slbck.dll (Schlumberger Cyberflex Access V2)

6. Click on the Enable Smartcard Login button to lock the ID file using a key stored on the smartcard instead of a password.

**Internet Keys on a Smartcard:**

It is currently possible to place an RSA private key from the ID file onto a smartcard and use that key to sign and encrypt S/MIME mail, and to authenticate to "Internet" servers using SSL client certificate authentication.

To place an RSA private key onto a smartcard:

1. Open the User Security Panel (File -> Security -> User Security)
2. Open the Your Identity // Your Certificates pane
3. Select the Internet Certificate associated with the private key that you want to move to the smartcard.
4. Select Other Actions // Store Private Key on Smartcard.

**Tested Smartcard packages:**

Smartcard functionality has only been tested under win32-based operating systems. Untested smartcards that include PKCS #11 libraries may work with Notes 6. The following smartcard packages have been tested, and indicated (*) packages have caveats listed below:

<table>
<thead>
<tr>
<th>Smartcard Package</th>
<th>Login with the token</th>
<th>Removing token will generate 'F5'-style logout</th>
<th>512-bit RSA keys on the token</th>
<th>1024-bit RSA keys on the token</th>
</tr>
</thead>
<tbody>
<tr>
<td>ActivCard Gold 2.2</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>GemSAFE libraries 3.1 SP4 (GPK16000)</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>GemSAFE Enterprise Workstation 2.21 (GPK8000) (*)</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>GemSAFE Enterprise Workstation 2.0 (GPK4000) (*)</td>
<td>yes</td>
<td>no</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Rainbow iKey 2032 SDK v4.7.0</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Schlumberger Cyberflex Access SDK V4.3</td>
<td>yes</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
</tr>
<tr>
<td>Schlumberger Cyberflex Access SDK V2</td>
<td>yes</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
</tr>
</tbody>
</table>

**Caveats and Warnings:**

- The only way to recover from losing or breaking a smartcard or to revert a smartcard-protected ID file to a password is through ID File Recovery. ID File Recovery should be configured for an ID file before the ID file is smartcard-enabled. Recovering a smartcard-protected ID file will revert the ID file to use a password and will restore any keys that were pushed onto the smartcard, as long as the recovery information was not changed after the key was pushed down to the smartcard.
- Password expiration should be disabled in a user's person record before they smartcard-enable their ID file.
- Password checking will result in only a single smartcard being usable with a given ID file, even across multiple computers or platforms. In this scenario, one copy of the ID file should be smartcard-enabled, and then that version of the ID file should be copied to all of the other respective computers. That single smartcard will now be required for all of the copies of the ID file.
Many smartcard packages only support 1024-bit RSA keys. You can find the strength of a given key by selecting an Internet Certificate and pressing the Advanced Details button from the "Your Identity//Your Certificates" pane of the User Security Dialog (File//Security//User Security).

Server setup will not function with a smartcard-protected server ID. In order to use a smartcard-protected ID with a server, finish server setup with a password-protected version of the ID file, then add the path to the PKCS #11 library in the server's notes.ini (PKCS11_Library=<path to library>), and finally smartcard-enable the server's ID file on a client using the steps indicated above.

This release of Notes does not support "importing" keys or certificates that were placed on the card by an application other than Notes 6.

Single Logon, which synchronizes the Notes and Windows passwords, cannot be used with a smartcard-protected ID file. You must restart Notes after disabling Single Logon before smartcard-enabling an ID file.

The format in which smartcard-related information is stored in the ID file has changed since the earliest beta releases of Notes 6. Using an ID file that was smartcard-enabled with one of these early beta releases will result in an "Incomplete or incorrect smartcard configuration" with Notes 6.

Notes uses version 2.01 of the PKCS #11 API to communicate with smartcards and other PKCS#11 devices. PKCS #11 libraries that only implement version 2.0 will not result in an "F5"-style logout when the card is removed from the reader. Updated libraries may be available from the smartcard vendors.

Version 2.2 is the required minimum version of ActivCard Gold supported for Notes 6.

GemSAFE 2.21's NT Lock Workstation feature has been known to crash some versions of NT and deadlock with Notes. When installing GemSAFE 2.21, the NT lock workstation feature defaults to on. Un-check the box.

There may be problems when installing GemSAFE 2.21 on a laptop running NT 4.

Client - Toolbars: a replacement for SmartIcons

The Notes 6 clients contain a new toolbar feature that completely replaces the R5 SmartIcons. The new toolbars provide an up-to-date look and feel, as well as features expected in today's applications.

Toolbar features include:

- Greater flexibility in positioning via drag-and-drop
- More than a single row of icons can be displayed
- Toolbars can be docked in more than one window location at a time
- Toolbar settings and configurations will follow roaming users
- SmartIcon sets (.smi files) are converted into toolbars, so previous customizations are maintained
- SmartIcon custom buttons are converted as well
- Each client (Administrator, Designer and the Notes Client) maintains its own set of toolbars, providing the ability to have different toolbars and layouts for each one
- The Address (URL) and Navigation bars are now toolbars that can be repositioned as desired
- Context and state information at the button level. For example when cursoring over bolded text the bold button changes state

Known Problems and Limitations:

- At this time, SmartIcon sets are only converted into the first client that runs after Toolbars have been enabled. The Toolbar Preferences provides the ability to "import" a SmartIcon set into another client
- Custom SmartIcon buttons may not display their icons correctly on Windows 98
- There are no Accessibility options for toolbars at this time
- You cannot "float" the context sensitive toolbar
- Toolbar icons that are migrated from SmartIcons will display with non-transparent background
- The contents of the Address toolbar can be clipped if it is floating, and the window is sized too small
Client

Client - User Security

Notes 6 includes the new User Security dialog box. It is an easy-to-use interface that brings together the most important aspects of security. You can find the User Security dialog box on the new Security submenu by choosing File - Security - User Security.

Along with supporting the existing security features, User Security includes the following new features:

- Configure Notes to automatically encrypt every new local database replica.
- Log in to Notes using a Smartcard.
- Synchronize your Notes and Domino web/Internet password, if allowed by your administrator.
- Change your password with greater convenience. The acceptance of your new password may be judged on its length or its quality, and you may be able to reuse old passwords sooner, if allowed by your administrator. If you have trouble picking a password that meets your password quality requirement, Notes can generate a password for you so you don’t have to make one up yourself.
- Recover from identity theft when someone steals your User ID and guesses your password.
- View advanced details of your certificates and use new tools to manage certificates.
- Request new Internet certificates with greater convenience.
- View expired or deleted keys that may still be useful in decrypting old mail messages.

If you become a frequent visitor to User Security, you may want to customize your Notes toolbar to include the User Security icon.

Client

Client - "Unread" marks are available

Notes 6 includes indicators of which folders have unread documents, and the count of the unread documents in those folders. This feature has been incorporated in the Notes 6 mail template.

In order for the count to be shown, both the client and server must be running Notes 6, using a Notes 6 mail template. The counts will also be shown in the Client when using a local replica of a Notes 6 mail file.

In the illustration below, one can see that:

1. There are 3 unread documents in the Inbox.
2. There are unread documents in folders beneath Folders (for people with a lot of nested folders, this will be a very useful feature)
3. There is 1 unread document in the folder Build Notifications
Designer

**Designer - Backend MIMEEntity methods update position in Stream**
Reading from or writing to a Domino 6 backend Stream object using the LotusScript or Java Stream class methods has always set the Stream position, but reading from or writing to a Stream using MIMEEntity methods, such as "GetContentAsText", has not previously caused the Stream position to be updated.

Now that position is updated by MIMEEntity methods (to the end of the stream), and so following their use, the Stream position needs to be reset (e.g., "Stream.SetPosition(0)") before a successful Stream "read" can take place.

Administrator Client, Client, Designer

**JavaScript - Language updated to JavaScript 1.4**
The JavaScript Language has been updated from JavaScript 1.3 in R5 to JavaScript 1.4 in Domino 6. Complete information about the JavaScript 1.4 core functionality can be found at:

- **User's guide:**

- **Reference:**

Administrator Client, Client, Designer, Server

**LotusScript - LotusScript language updated to version 5.0**
The LotusScript language has been upgraded to version 5.0. Enhancements include:

1. Ability to call Java from LotusScript
2. Ability to specify character set for file IO
3. ShellID - shell and return process ID
4. New Byte and Boolean datatypes

Designer

**LotusScript - Unix now supports customized locales**
Unix is now capable of supporting customized locales using LotusScript.

Client

**Security - Administration ECL <ECLOwner> key**
A common request has been to enable administration of the ECL rights allowed to the Client ECL owner via the Admin ECL. By adding the key string: "<ECLOwner>" to the Admin ECL, the execution rights of the current user can be modified during Client ECL refresh.

During ECL refresh on the Domino 6 Client the <ECLOwner> Admin ECL entry is replaced with the name of the current user. This updates the current user's Client ECL rights with those set in the Admin ECL for the key string entry. This is especially useful for organizations that employ the strict Admin ECL setting to not allow users to modify their own ECL.

Without the key string in the Admin ECL, the current user entry is removed from their Client ECL during refresh. This, in effect, disabled these Clients from writing and executing basic and safe notes programs. This new key string allows the Admin and Client more flexibility.
Client

**Security - Client ECL logging**

The Lotus Domino 6 Client now logs ECL related operations. The entries are logged in the Client log (log.nsf) in Miscellaneous Events.

1. The results of the Execution Security Alert (ESA) dialogs are logged. In addition there are additional ESA details that are logged. These details include info about the code that caused the ESA such as: the design type, design title, NoteID, Database Title and Path.

2. ECL modifications on the Client are logged. This log entry includes info on which ECL was modified, the ECL entries changed, added or deleted and the rights that were granted or revoked. This logs all ECL modifications resulting from such operations as dynamic ECL update, programmatic ECL refresh (@ECLRefresh function), setup ECL refresh/creation and manual ECL changes made in the ECL Editor or through the Security Panel.

Server

**Security - ISpy now supports SSL**

The TCP probes that are part of ISpy have been expanded to include SSL support. Like the current probes, they are limited to anonymous probing only (no username/password or client certificate authentication.) A limitation of these new probes is that they don't support proxies, and are thus limited to be used within a firewall.

Client

**Security - New Execution Security Alert option**

The Execution Security Alert dialog has a new option to provide more information about the code executing to cause the alert. The Help button has been moved to the upper right corner of the dialog and, in its place, the More Info button is present.

By pressing the More Info button a new dialog is displayed providing info about the design type, design name, noteid, signature status and parent database of the code that caused the ESA. When the OK button is clicked the More Info dialog closes and the ESA is presented again.

Server

**Security - Server access fields apply to all internet protocols**

In previous versions of the Domino server, the following Security fields (which can be found in the server document, on the Security tab) only applied to Notes client access: "Only allow server access to users listed in this Directory", "Access server", and "Not access server". In Lotus Notes/Domino 6, these 3 security settings will now apply to all internet protocols, in addition to Notes Clients.

In addition, each Internet protocol can selectively enable/disable this feature (by default, this feature will be disabled). To enable Server Access lists for Internet Protocols, go to the Server document, click on Ports -> Internet Ports tab. Then click on the tab for the protocol you want to enable (i.e., "Web"). Edit the field called "Enforce server access settings" to show 'Yes'.

Administrator Client, Server

**Server - 'Author' access can run Mail Tracking Reports db**

Users of the Mail Tracking Reports database (reports.nsf), can now run a report with an access level as low as 'Author'. Previously, 'Manager' access was required.

Client, Server

**Server - Automatic Server Recovery and NSD (Win32 and UNIX)**

**Notes client**

It is no longer necessary to reboot the system after a Notes crash. NSD, a program which gathers information about the crash, will automatically run. Notes can be restarted immediately after NSD completes. When NSD runs a dialog box appears which contains the name of the NSD log file. This dialog box will automatically terminate when NSD completes. You can dismiss the dialog box anytime by pressing the OK button (NSD will continue to run to completion).
Domino server

Automatic Server Recovery is a feature of Domino which enables a server that has crashed to shut itself down and then restart automatically, without any administrator intervention. When Domino encounters a situation which is considered a fatal error, each Domino process is terminated and all associated resources are released. The startup script (/opt/lotus/bin/server on Unix) detects the situation and restarts the server.

Fault Recovery is available for Domino for both the NT and UNIX platforms.


When Automatic Server Recovery is enabled, the server password, if any, is securely stored in the system kernel memory area where it can be retrieved by a restarting server.

Automatic Server Recovery supports Domino partitions. When a situation arises in a partition, only that partition is terminated and restarted. Other Domino partitions on the server are unaffected. Automatic Server Recovery is also compatible with Domino Clusters, and in fact complements it well.

An optional program can be executed by the Automatic Server Recovery system before any other recovery processing takes place by using the "Run This Script After Server Fault/Crash" field in the server doc.

By default, the script has 5 minutes to complete its execution, after which it is terminated. To override the default time of 5 minutes, use the Cleanup Script Timeout field. For example, to increase the allowed time to 10 minutes set the value to 600 seconds. The value can be set from 30 to 1800 seconds. Note that the cleanup script feature is available even if Fault Recovery is disabled.

The Script field is no longer used to invoke NSD. Use the "Run NSD To Collect Diagnostic Information" checkbox to enable/disable NSD.

The Maximum Fault Limits fields will put a limit on the frequency of crashes so that if the situation occurs that Domino crashes very early (in initialization) then after the designated number of crash/recovery cycles the server will simply stop. The default limit is 3 faults within 5 minutes.

If Automatic Server Recovery is disabled then Domino is terminated after a Fault and can be manually restarted immediately. If NSD is enabled then you must wait until NSD has completed before restarting.

Windows Platforms:

A Just-In-Time (JIT) debugger is no longer installed on the system by Notes. To see the current JIT setting, run "nsd -qjit". The Notes/Domino Installer will check to see if NSD or QNC is installed as the JIT debugger and if it is then the Installer will replace it with Dr. Watson, the default Microsoft JIT debugger. You can also run "drwtsn32 -i" to manually install Dr. Watson as the JIT debugger.

You can force Notes/Domino to invoke the JIT debugger instead of running NSD after a Panic or Fault by setting the Notes.INI variable APIDeveloper=1. This is useful, for example, if you are developing an API application and you want to debug it when it encounters problems. All Notes/Domino processes must be terminated manually before restarting.

Known Issues

- If you are using the Fault Recovery feature on Solaris, the number of available messages per message queue must be increased. To accomplish this, become superuser and add the following line to /etc/system and reboot:
  ```
  set msgsys:msginfo_mstgql=1024
  ```
  This needs to be set on Solaris because Automatic Server Recovery uses message queues. The default for Solaris is 40 messages per queue, which is insufficient. This setting increases it from 40 to the recommended setting of 1024.

- When running under the Domino Controller\Console, because the Domino Controller redirects standard I/O, the fault-recovery clean-up script (on UNIX) can not attempt to reset standard I/O operating parameters for the workstation via the stty command. Otherwise a message, similar to the following, may appear (AIX example):
  ```
  stty: tcgetattr: A Specified file does not support the IOCTL system call
  ```
Server - Command line help for server tasks

The Domino 6 server supports command line help for most (not all) server tasks. Help is accessible by adding "/?" or "-?" to a LOAD or TELL command.

Syntax:

load <taskname> [/?] [-?] 

e.g.

load compact -?
load compact /?
tell adminp -?
tell adminp /?

Server - Cookie logging

Cookie logging is now enabled by default as part of the new HTTP stack on Windows NT and Windows 2000. The data provided by cookie logging appears in text logs. In addition, the LogEntry form in domlog.ntf includes a cookie field.

Server - DIIOP task and CORBA-remoted Domino Objects

This release note describes new items for the DIIOP and CORBA-remoted Domino Objects:

New DIIOP Task

DIIOP, the server task that the CORBA-remoted Domino Objects use, has been substantially rewritten to improve its performance and scalability. The new task now uses the same code for network operations as some of the other server tasks, for example POP3, LDAP, and IMAP. Consequently, DIIOP now also takes advantage of the same thread pooling algorithms, and will use I/O completion ports on the supported platforms.

Service Provider Site Support

In this release, the DIIOP task and the CORBA-remoted Domino Objects have support for Internet Sites. A Service Provider can configure DIIOP to run in an environment where multiple independent organizations are hosted on a Domino server. In this type of configuration, DIIOP uses the IP address that was the target of the NotesFactory.createSession() to restrict the Directory Lookup, when it authenticates a user before creating the Session object.

To configure DIIOP to run in this type of environment, go to the Server -> Internet Sites view in the Domino Directory, and create an IOP Internet Site document. Using the IOP Internet Site document you can declare the relationship between an organization that is hosted on the Domino server, and the organization’s access point on the network for users of the CORBA-remoted Domino objects. Additionally, you can also declare what kind of access the organization allows. For example Name & Password, or Anonymous, over clear-text (TCP) or encrypted (SSL) connections.

If you need the HTTP task to deliver the Initial object (from diiop_ior.txt) from the Domino server, it also needs to be configured to use Internet Sites.

The new call has been added to the lotus.domino.Session class. It is:

String Session.getOrgDirectoryPath() raises NotesException;

Use this method to write a Java application that uses the CORBA-remoted classes to determine the organization’s root data directory.

HTTP Support for diiop_ior.txt

DIIOP now has limited support for the HTTP protocol. As part of the NotesFactory.createSession(hostname,...) method that is available for creating sessions to the Domino server, the HTTP protocol was being used to deliver the Initial Object Reference to the client program. Traditionally, this request was handled by the HTTP task. This meant that the HTTP task had to be configured and running to use the Domino classes in any substantial way. With this release, DIIOP has enough HTTP support to handle the request for the Initial Object Reference. So, if HTTP is not desired on the Domino server a Java program can do the following to create a Session to the Domino server:

Session s = NotesFactory.createSession("hostname:63148", "user", "password");

Where :63148 is the syntax that is used to specify the port number of the task that you want to issue the HTTP request for Initial Object Reference.
New Java Applet Property: Applet contains Notes CORBA classes
A new Java Applet Property has been added to the Designer. The property is "Applet contains Notes CORBA classes" and it is available for Applets that use the Notes CORBA classes only. In R5, when a Java Applet had the property "Applet uses Notes CORBA classes" enabled the HTTP server always downloaded the archive containing the CORBA remoted Domino objects (NCSO.CAB or NCSOC.JAR) to the browser.

With the new attribute enabled, the Web server will not automatically download the archive to the browser. This feature can be used so that installable applets can be built using the Domino objects without having the NCSO archive always downloaded to the browser. To build an installable Java applet use the guidelines appropriate for the browser(s) you need to support and be sure to include the classes contained in one of the archives (NCSO.CAB or NCSOC.jar) with your applet.

New method: NotesFactory.createSession(String, HttpServletRequest)
A new way of creating a session for the Domino Objects is available. It is designed to be used from a Servlet to allow a servlet developer to create a session for access to the Domino objects without having to invent a method of asking for the user's password a second time. Presumably, the first time would have been when the HTTP server has challenged the user for authentication.

Use this form of createSession to create a Session based on the authentication done by the HTTP server. This method works for remoted Session when Single Sign on is enabled. For local Sessions it works regardless of Single sign-on is enabled or not. Here is some sample code:

```java
public class MyServlet extends HttpServlet
{
  public void doGet (HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    ...
      Session session = NotesFactory.createSession(null, request);
    ...
  }
}
```

Server - Domino Console
The Domino Console is a new feature for Domino, consisting of two modules: Domino Controller and Domino Console, both Java-based applications. The Controller runs on the server end, while the Console can be run independently on any machine. On UNIX, to run Domino Console that system must be running X windows. However, Domino Controller can be started without running X windows.

Normally, starting the Domino Controller also starts the Domino Server and Domino Console on the same machine. However, once started, an administrator can then exit the Domino Console without exiting the Domino Server and/or Domino Controller. This allows administrators to reconnect with the Controller and Server by starting the Domino Console either on the same machine, or remotely on any other machine.

For Domino 6 or later, please be aware that the Domino Console is installed with the Domino server, Administrator Client and Notes Client. However, if you want to run the Domino Console separately on any machine, please follow the instructions under Console, below.

Note: Please be aware that you can not run Domino Controller [(n)server -jc -s ] and Domino server separately and expect them to communicate to each other. So one must start the domino server under the control of the Domino Controller.

Startup Instructions for Domino Controller and Domino Console:

Controller
- Starting with the current release of Domino 6, the server generates a file called "admindata.xml" in the data directory. Please do not modify this file manually. To set or modify admin roles, you must change the server document in the NAB.
For the console to connect to any server, that server should be running with Domino Controller. To run server under controller issue the following command.

**On NT:** Make sure no other server is running. Run the server as: `nserver -jc`. You will see a window. DO NOT KILL OR CLOSE THIS WINDOW, but iconify it.

**On Unix:** Make sure no other server is running. Change the directory to Data Directory. Run the server as: `<IDIR>/lotus/bin/server -jc`.

*<IDIR> in this document refers to the directory where the domino server is installed. For example: /opt or /local.*

When you start Domino as described above, the Controller gets started and it, in turn, starts Domino Console and Domino Server. Since all three processes are running on the same machine, they will take up some system resources. If your machine is slow or memory-starved, it is suggested that you run server in the following manner (server means nserver on NT/W2K or server on UNIX):

```
server -jc -c
```
Should not bring up the Console and should start Domino and the Controller. If the Domino server needs a password, it will only bring up the server process. You must connect from another Console and enter a password from there. If the server doesn’t have a password, it will bring up all of the Domino processes.

**NOTE:** For the first time only after setup, connecting from a remote system using the Domino Console, you will not be able to connect if the server is waiting for a password. You can connect to Controller locally by using local server icon on the Console and enter password. However, If the server doesn't require a password, you will be able to connect.

```
server -jc -s
```
Should bring up the Console and the Controller but not start Domino

```
server -jc -c -s
```
Should only bring up the Controller

**Console**

- To run Console only, please follow the instructions below:
  - **On NT:** run "jconsole.exe" from the command prompt. This executable is located where server or administrator is installed.
  - **On UNIX:** run "jconsole" from the command prompt. This executable is located where server is installed.

*<IDIR>/lotus/bin/jconsole*

- In the current release, to run Domino Console separately on a machine where Domino is not installed, you need to have the following files in a directory on the machine you want to run. Copy the following from the Domino executable directory on a machine where Domino is installed, to a new directory on the desired machine.
  - `dconsole.jar`
  - `jconsole.exe` (on NT/W2K) or `jconsole` (on UNIX)
  - `jvm` directory including all subdirectories
  - Follow the steps under Console, On NT or On Unix above, as appropriate.

**Things you need to know:**

- For any help on how to use Domino Console, refer to the on-line help menu option on the Domino Console menu.
- To Connect to any controller, the administrator needs to know his/her user name or any shortname and password (internet password field) that is in the administrators person document in the NAB.
- In the NAB, in the server document, the internet host name field must have the proper host name.
- To be able to connect to the controller, administrators need to have their names put in the appropriate fields in the server document in NAB under the Security tab. The fields are:
  - **Full Access Administrators** can issue all Domino, Shell and Controller commands (including quit, exit, enable/disable user).
  - **Full Remote Console Administrators** can issue Controller commands (including quit, exit, enable/disable user) and all Domino commands, but not Shell commands.
- **View Only Administrators** can issue View Only Domino commands and Controller commands (except quit, exit, enable/disable user), but not Shell Commands.
- **System Administrators** can issue Controller commands (except quit, exit, enable/disable user) and Shell commands, but not Domino commands.
- **Restricted System Administrators** can issue only those Shell commands listed in the restricted system commands field and Controller commands (except quit, exit, enable/disable user).
- **Restricted System Commands** should contain a list commands that can be issued by the Restricted System Administrator(s).

- The port 2050 or whatever port you are running the Domino Controller on, must be a publicly available port for the Domino Console to be able to connect from a remote machine.

- To connect to the controller for the first time, you must type in hostname of the controller/server to which you want to connect in the server name field of the Open server dialog. Once you connect to the controller/server, from the Domino Console use "File->refresh server list" menu option to get the list of available servers and server groups from the connected server. When the administrator exits the console, the server and group list are persisted in dconsole.ini file. Next time you start the Domino Console, there is no need to do refresh servers list unless you want to get the latest changes.

- To run Domino Controller/Domino Console on a partitioned server environment, make sure the Notes.INI file has the TCPIP_TcplpAddress line with the specified IP Address for the server.

- You can copy text from the console text area to the system clipboard by selecting the text using the left mouse button, and clicking the right mouse button, or by using CRTL-C, or by using "Edit -> Copy" menu option to copy.

- Clicking the right mouse button on either available or connected server list view will display a pop up menu, where you could connect, disconnect, and server information.

- For shell commands, it is recommended **NOT** to use Editors, Debuggers, or any other program which is interactive and uses the same shell to run.

- If you don't want to get the Controller status window displayed, please set the Notes.ini parameter: "ShowControllerStatusWindow=0". By default, the window will be displayed.

- On UNIX machines, do NOT tee the output to a file. Otherwise, only controller messages will be written to that file.

- On Unix servers, "File->Kill Server" followed by "File->Start Server" is not asking for password if the server has a password because Kill server is not cleaning the message queues where password is remembered and used.

- The only way you can remove a domain or server from displaying on the Domino Console is by deleting the server record(s) from the "dconsole.ini".

- Administrators who issue "tell ca" commands can use "View -> Show Secure Password" or click "secure password" on the Popup menu by clicking the little arrow next to the Send button. The Password field allows user to enter passwords encrypted.

- Controller command "#restart domino" is not working as specified in the documentation. It only brings down the domino processes but does not restart domino. Please use menu commands "File->Kill Domino" followed by "File->Start Domino" instead.

- If the console is stuck in Wait Cursor mode for too long, use CTRL-SHIFT-B to come to normal cursor mode.

**Known Issues**

- When you start the console, a blank screen will intermittently display where the console text is shown. Resizing the main window will eliminate the painting problem.

- When the Look And Feel is changed, the cursor is lost from the command prompt area. If you click Send Button, open any menu or some other action, focus comes back to normal.

- If you do any local logging, for each server you do, do once "Edit -> Local Logging" even if you don't change anything before enabling by "File -> Local Logging". Otherwise, logging is written to default file "dconsole.log" instead of what is shown in "Edit -> Local Logging" dialog. Also, if you change the file path for local logging file, next time when you come into dialog "Edit -> Local Logging" is defaulting to data directory.

- When Domino Console is connected to any Controller, controller immediately gives last 120 messages. If any of those messages is prompt, Domino Console may display that prompt. Ignore and cancel that dialog unless that is the last message you see on the console.

- If a prompt message is displayed while you are in a dialog, the only way you can close the prompt is by clicking on the window closing icon of the prompt. Focus is getting confused between two modal windows.
**Internationalization Issues**

- On Linux, Domino Console that is started by the Controller has a problem when using Hebrew characters; the console freezes after it writes Hebrew characters. Instead of Controller starting the Console, start the Console separately and attach to the Controller. That is, start Controller as "server -jc -c" and Console as "jconsole" and attach to the Controller. Or, start Controller "server -jc", and as soon as you give the Domino password, exit just the Console only. Then start Console separately and attach.

- How to enter Indic language characters in Domino Console - On AIX, Linux, and NT/W2K machines, click on the icon on the top left corner of the window/dialog. Selecting the "Select Input Method" menu option pops up a menu from which you can select the Input Method Editor of choice.

- On Linux, expanding the Chinese character selection in Linux’s IME results in recycling server commands being displayed because of a Linux IME problem.

- On Linux, Korean characters are not displayed while typing in the Command Input field of Domino Console.

- Domino Console does not currently support Thai locale.

- Domino Console does not support inputting text in a different language than the language of the Operating System it is running on.

- Domino Console does not switch input modes in Japanese IME using ALT+ ~ when a dialog box with text field is invoked. If you tab out to another field and come back, everything works fine.

- Domino Console does not currently support GB18030.

**Starting Controller as NT/W2K service:**

You can also run the Server Controller as a Windows NT service. To run as an NT service, you need to add ".jc" to the startup parameters. You can do in any one of the following 3 ways:

- To add the ".jc" from the command line to a stand-alone server installed as a service, use the Sc tool (Sc.exe) included in the resource kit. For example:

  Sc config "Lotus Domino Server (LotusDominoData)" binPath= "=c:\lotus\domino\notes.ini -jc"

  This is of the form: sc <server> [command] [service name] <option1> <option2> ...

  For more information see Microsoft Knowledge Base article - Q251192 at http://support.microsoft.com/default.aspx?scid=kb;en-us;Q251192

- To add ".jc" at the end of the ImagePath value in regedit by looking for Domino service entry:

  MyComputer -> HKEY_LOCAL_MACHINE -> System -> CurrentControlSet -> Services -> LotusDominoServer(datadirectory)

  Specify in the "Startup Parameters" along with other parameters. For example:

  "=c:\lotus\domino\notes.ini -jc"

**Note:** On NT path has to be given as c:\\lotus\\domino\\notes.ini because of NT bug.

**Message logging by Domino Controller and Domino Console:**

Starting with the current release of Domino, logging of the controller messages has changed as explained below:

**Logging on Controller End**

Controller logs messages from Domino which can be controlled by the user. By default, it saves the messages in normal text format (i.e., plain messages) in Domino's data directory. However, the user can set a different directory and different name by specifying the path for ControllerLogFileName as explained in the Controller Specifics below. Every midnight, the controller starts another log file with the same path, but appending a different datetime so that the logfile won’t be too big. However, if the user changes the ControllerLogFileType on the fly from the Console, then a new file also gets created, with that datetime. In essence, if a user changes ControllerLogFileName and/or ControllerLogExpiration these are taken into consideration when Domino is started, or at midnight when the new file is created, or when the user changes ControllerLogType.
Controller Specifics

Users can change these from the console, as below, by editing dcontroller.ini or by using the controller set command from console (e.g., con set ControllerLogType=2):

There are three parameters that effect the logging on the controller end. These are set in "dcontroller.ini" file in server's data directory:

- ControllerLogType
- ControllerLogExpiration
- ControllerLogFileName

ControllerLogType
This can have 0, 1, 2, or 3 as its value.
0 -- means no logging. Do not log at all on the controller end. This is the same as not setting the DEBUG_OUTFILE option.
1 -- means log in normal text messages. This is the default, and gives more information than the DEBUG_OUTFILE setting. It is similar to the 'pipe' command on UNIX.
2 -- means log the messages in meta format with all info (severity, color, procid etc..) that comes from server.
3 -- means log both types of files simultaneously.

ControllerLogExpiration
This will keep files for the number of days set, and purge the remaining. Default value is 7 days. That means, on any day, you will have that many days-old files in the data directory, or whatever directory is set.

ControllerLogFileName
This will keep track of the pathname for the log file. When the user sets this, he should not give any extension. Program appends .meta or .log to the file name, and appends the datetime to the given name. Default name given is "dcntrlr". Default directory is domino data directory. Default log file are as follows:

dcntrlr06170900.log or dcntrlr06170900.meta based on the ControllerLogType.

If the user sets ControllerLogFileName=d:\logs\mylog, the files will be as follows in d:\mylog directory:

mylog06170900.log or mylog06170900.meta

However, if the user sets ControllerLogFileName=d:\logs\mylog.log, the files will be as follows in d:\mylog directory:

mylog.log06170900.log or mylog.log06170900.meta

Console General Information and Specifics (Local Logging)

You can log the messages that come from a particular controller/server on the local disk, when you connect from a remote Java Console. You can even log for multiple servers at the same time. Users can, on the fly, stop and start local logging. To enable or disable local logging, use the "Controller -> Local logging" checkbox.

When you enable local logging, a dialog box will pop up where the user can select the directory and file name, data type (meta or normal text) and file type (sequential or circular; if the latter is selected, the user needs to give the logfile size).

Each field has automatic tooltip text that tells what that field is. Here, the default directory is where the Java console is started.

Note: Both controller logging and local logging are writing native bytes instead of UTF8. If you have multibyte characters, they won't show correctly.

Server

Server - Domino Directory internet site documents

With Domino 6, a new view is available in the Domino Directory under the Server category "Internet Sites." Internet site documents are required in this release when your Domino domain is configured to support a service provider environment, and are documented in the online help documentation.

The use of Internet Site Documents is also supported for non-service provider configurations. After creating Internet Site Documents, their use must be enabled in the Server document using this control in the Basics pane:

- Loads Internet configurations from Server\Internet Sites documents
Server - Domino Java Setup Program

This Release Note documents the availability of the new Domino Java Setup program in Lotus Domino 6. Configuration of the Domino Server has, in the past, been driven by databases (setup.nsf and setupweb.nsf). It required either a Notes Client or a web browser to connect to these databases, which then guided the user through the Server Setup. For Domino 6, Domino now has a configuration GUI written completely in Java, which is available on all supported Server platforms.

The new Domino Java Setup provides the same functionality as the old setup with some design enhancements. There is no longer a distinction between "Quick and Easy" and "Advanced" setup. Users now have the option of customizing certain items on each setup screen by clicking on the 'Customize' button for that screen. Also, because the application is written in Java, it is nearly identical on all server platforms.

Using the New Domino Setup program

The Domino Java Setup program can be launched just as the server has been launched in the past. To do so, follow these steps:

On Windows Systems:
1) Select "Lotus Applications -> Domino Server" from the Start menu
   -or-
   From a command-prompt, in the Program Directory, run the 'nserver' command.

On Unix Systems:
1) Change directories to the data directory (default is /local/notesdata) and provide the full path to the 'server' command in the bin directory. For example, "/opt/lotus/bin/server".

Server - Domino Remote Setup

The new Domino Java Setup program (see related release note) provides uniform functionality and appearance to the server configuration across all Domino Server platforms. It will also provide enhanced functionality for performing server setup remotely, from any other system.

The Domino Remote Setup program is a subset of files that enable a user to perform server setup on a system over a network. This program allows users to bring up the standard Setup interface on any system that supports the Domino Server and configure a server remotely.

For the release of Lotus Domino 6, the Remote Setup program will be installed as a separate application. For the time being, however, it is most easily available along with the regular Domino Server installation. In order to make use of the program, follow these steps:

Using the Domino Remote Setup program in Domino 6:

1) Install the server that will be setup remotely.

2) In the newly installed server, launch the server application from the command line with the "-listen" parameter. For example, on windows, you might run "\Lotus\Domino\nserver.exe -listen". On Unix, the command (run from the data directory) might look like "/opt/lotus/bin/server -listen".

3) On the machine that will be used to remotely setup the server that is now "listening", install another copy of the Domino Server. This copy will not need to be setup. It is needed simply to provide the Java Runtime Environment and the required files for running the Remote Domino Setup program.

4) Bring up a command-line interface (either a Unix terminal or a Windows Command Prompt), and change directories to the Program Directory. On Windows this will be the 'Domino' directory (default is C:\Lotus\Domino), and on Unix this will be the platform specific program directory (such as /opt/lotus/notes/latest/ibmpow on AIX systems).

4.1) On Unix systems, remember to run "xhost +" as the user logged in to the shell. See the "Unlocking Unix system displays for running Domino Java Setup" release note.
5) From the command-line, run the command "serversetup -remote". This will launch the Domino Java Setup program on your remote system.

6) The "Connect to Remote Domino Server" window will appear. This window prompts the user for the Remote Host Address of the server to be setup. The 'Listener' program defaults to using port 8585, so the remote connection defaults to this port as well. Users can customize which port will be used for this TCPIP connection. Users can also send a 'ping' command over the network to verify the connection to the listening server by using the Ping button on this window.

7) Provide the host name and port number of the listening machine, and hit OK. The Domino Java Setup program will then proceed normally, connected to the remote listening system.

8) After completing setup, the program will prompt the user to shutdown the Listener process on the remote system. This can be done at this time, or it can be done by issuing a setup -q [port] command directly on the system.

The remotely configured server is now ready to be launched.

Client, Server

Server - Domino Web Administrator Client

The Lotus Domino 6 server now includes a completely new Web Administrator Client (available as "webadmin.nsf") which closely resembles the W32 Administrator Client.

To use the Domino 6 Web Administrator:

- Start the HTTP task on the server, if not already running
- Point your browser to the servers webadmin.nsf database. For example: http://yourserver.domain.com/webadmin.nsf

The Domino 6 Web Administrator is completely and automatically managed by the HTTP server. The HTTP server will create the new webadmin.nsf database if it doesn't exist and will automatically manage the ACL. By default all Server Administrators and Full Server Administrators as defined in the server document's security tab will be automatically granted access in the ACL. If new administrators are being added to the server document, the HTTP task will update the ACL of webadmin.nsf accordingly.

Domino 6 Web Administrator requirements:

- MS Internet Explorer 5.5 or 6.0 on Windows 98/NT4/W2K/XP or Netscape 4.7x on Windows 98/NT4/W2K/XP or Linux 7.2
  - MS Internet Explorer 5.0, Netscape 6.x, Mozilla 1.0, Opera 6, Konqueror or other browsers are currently not supported.
- The Administration process ("AdminP") server task is required to run on the same server.
- The Certificate Authority ("CA") task is required to run on either the same or another Domino 6 server in order to be able to register users or servers.
- To take advantage of certain Windows OS integration features, you need to install the MS WMI SDK if you are running NT4 (W2K automatically includes WMI)

Known issues:

General:

- If buttons are being truncated, configure your system to use small fonts.
- Netscape browser: Disabled buttons are marked with **** as their button text, disabled drop-down listboxes and text fields won't accept focus. This is intentional.
- MS Internet Explorer browser: Make sure the setting "Check for newer versions of stored pages" is set to "Automatically" (If "Every visit to the page" is enabled, the browser might hang when drawing screen icons).
Server

**Server - Dynamic Debug_Out facility**
The Notes Dynamic Debug_Out facility is new in Domino 6, as part of serviceability. This facility allows users to turn console logging on and off without recycling the server, and includes the following features:

- Logging to the file can be enabled/disabled while tasks are running
- The initial logging state can be set
- Files are named/renamed in a meaningful way
- File size limitations can be imposed

Please see the NOTES.INI section of the Domino Administrator's guide for more information on this feature. Relevant variables are Console_Log_Enabled, Console_Log_Max_Kbytes, Debug_Outfile and LogFile_Dir.

Server

**Server - IMAP Namespace**
The Domino server now supports IMAP Namespace, although not all IMAP Clients support this feature, and those that do have difficulty transposing separators.

The Notes naming convention utilizes the user's name and domain, which are parted by separators (/). When configuring Namespace from a Notes Client, **do not** place the separator into the name of the particular user's fields. Instead, open the Delegators panel from Tools->Preferences, and either use the lookup feature or manually type in the user's name.

Remember to remove all separators so that only the user's name appears. The domain name is not necessary.

**Setting "Access to other's Mailfile"**
The intended action of this field is to have the owner acquire access to other users' mailfiles.

**Delegation**
This field setting allows users access to your mailfile. This should only be set by the owner of the mailfile.

In Domino 6, these settings need to be performed manually. For future releases, once you have indicated which mailfiles you wish to have access to, the request will be submitted and the modification will take place on that user's ACL/Delegation. In the current release, after you have entered and modified this field, you will need to contact the owner of the other file and have them add your person ID to the Delegation field.

Server

**Server - Improvements to LDAP service handling of time queries**
The LDAP service now honors generalized time queries that contain seconds, yyyymmddhhmssZ, and milliseconds, yyyymmddhhmmss.mmmZ. It continues to support past time queries, yyyymmddhhmmZ.

In addition, all times returned contain seconds, yyyymmddhhmssZ, which were not returned in previous releases.

Client, Server

**Server - New Full Text Engine**
A new version of the GTR full text engine is being used. This will cause a rebuild of all full text indexes on either client or server. For servers, the rebuild will happen automatically and it may take hours or days to complete. On clients, indexes may be rebuilt by using the "Update Index" button or automatically following replication operations.

The new version of the engine features:

1. Performance gains -
   - better handling of booleans
   - FTSearch Limit used by engine
   - Caching of result data
   - HUGE LDAP speedup
2. Resource utilization improvements:
   - lower indexing memory footprint (6 MB per document limit is GONE)
   - GTR memory use improved, now using Notes memory services

3. Capacity
   - up to 16 TB per index (was 2 GB)

Server

Server - Passing Notes.INI location starting Domino on Unix
The Notes.INI location can be specified when starting the Domino "server" on Unix platforms. This is done by passing the "=notes-ini-location/notes.ini" argument to "server" (or any other Domino executable). If specifying the Notes.INI location as an argument, then that argument should be the first argument passed to the "server" (or other Domino executable). When passing the '-jc' argument, for "Java Console", then such argument should follow the =notes.ini argument, if present, and precede all other arguments.

Passing the Notes.INI location to "server" allows for "server" startup to take place from any subdirectory, i.e., from outside of the Notes data directory, as well as with no path reference to the Notes data directory.

Administrator Client

Server - Setup and Desktop Policies
In Domino 6, the R5 Setup Profiles have been migrated to Setup and Desktop Policies. This release note describes the changes from R5 Setup Profiles to the new Policies.

Migration
Organizations using Setup Profiles should consider migrating to policies. Although Setup Profiles will continue to be supported in Domino 6, no new features will be incorporated. Administrators will no longer be able to specify a Setup Profile at user registration time. A migration tool to convert Setup Profiles to Policies is not available at this time.

Co-existence of Setup Profiles and Policies
If a setup profile is specified in a person record, it has precedence over any setup or desktop policy which would apply to this user.

Execution of Setup Policies
Setup policies are executed once per Client configuration, as part of the initial Client configuration. Changes made to a setup policy will not affect existing clients to which this policy applies (this is the setup functionality which existed in R4, with setup profiles). Initial settings which serve as a starting point for users should be included in setup policies. The administrator is not concerned with keeping these settings up to date on the user's clients.

Execution of Desktop Policies
Desktop policies are applied to a user's Client configuration whenever a change to the policy occurs. Administrators should include settings which must be kept up to date in desktop policies; for example, if a server phone number is changed in a desktop policy, it is applied to all clients to which this policy applies. Desktop policies are applied in the same manner that setup profiles were applied via dynamic Client configuration in R5.

New features of Setup and Desktop Policies
Settings can be pushed to NOTES.INI (W32) or Notes Preferences (Mac) files via Setup or Desktop policies. There is a new tab in both of these policies called Preferences which contains a group of settings which can be applied to Clients, based on the execution of the particular type of policy. The group of preferences which can be set is extensible in the same manner as location settings in R4 and R5. See the Domino Administration Help guide for details.

New features of Desktop Policies
Desktop policies also include a section to apply welcome page customizations to users. The steps to add welcome pages to a user's desktop are detailed in these release notes under "Welcome page deployment".

A set of any type of bookmarks in any configuration can be pushed to a user. Bookmarks can be added to the bookmark bar, specific folders or subfolders (including the startup folder) or hierarchies of bookmarks can be added to the user's desktop. An administrator configures the layout of bookmarks desired, then drags it into the grey outline at the bottom of the database tab in the desktop policy. This hierarchy of bookmarks is merged with the user's copy. The administrator can later make changes by moving or removing bookmarks from this outline and those changes will also be reflected for the user.
Server preferences on the web

When using Domino databases via a web browser, the user experience has been improved to use regional preferences, based on the "Accept language" setting in the browser.

For example, if the accept language in your browser is set to German, you will see dates formatted in the German date format, times displayed in 24 hour format, etc., for fields and view columns where the formatting has been set to use the user preference, and not forced into some custom setting.

In order to set the "Accept language" in your browser:

- For Internet Explorer: Choose Tools -> Internet Options, Languages
- For Netscape: Choose Edit -> Preferences, Category: Navigator/Languages

Accept language will govern the following settings:

- Date format: order and separator
- Month and weekday names
- Time format: separator, 12/24 format and AM/PM string and position
- Number format: decimal separator and leading zeros
- Currency format: symbol, position, and spacing and thousands separator

Additionally, there is now a new URL that will produce a page that will allow the user to override any of the above settings, as well as their local time zone and daylight saving setting. The default time zone and daylight saving setting is that of the server.

The URL syntax is:

http://<servername>/Preferences.nsf

Users can also fetch just the time zone preference page with:

http://<servername>/Preferences.nsf?OpenPreferences&PreferenceType=TimeZone

or the date, time, number and currency preferences with:

http://<servername>/Preferences.nsf?OpenPreferences&PreferenceType=Regional

The menu can be retrieved with:

http://<servername>/Preferences.nsf?OpenPreferences&PreferenceType=Menu

Note that if users override the defaults, the setting will be stored in a cookie on the browser Client machine, and will therefore require that cookies are enabled.

Scope

Once the cookie has been set, it will work for either that particular Domino 6 server or all Domino 6 servers within the internet domain, depending on the server side setting that sets the scope of the cookie: Single server or multiserver (default). The overridden settings will of course only have an affect when web pages are viewed from the same Client machine.

Server administration of User preferences

In the Server/Web site form in the Domino Directory is a setting called "Store Web user preferences in cookies" which allows the administrator to either:

- Ignore the preference cookies and do not generate the preferences HTML when requested (Disabled); or
- Limit the scope to that server only (Single Server); or
- Honor the cookies generated by any server within the internet domain (Multi Server).
Notes/Domino 6.5 - initial release

Administrator Client, Client, Designer, Server, Domino Web Access

New features and enhancements in Notes/Domino 6.5

Notes Client

Calendaring and Scheduling

Drag-and-drop mail/calendar entry creation
In Notes 6.5, users can create new Mail, Calendar, and To Do documents by dragging a mail document and dropping it on the appropriate bookmark. Calendar and To Do entries can also be dragged and dropped. For example, a calendar entry for a meeting with a long description can be dragged onto the Mail bookmark to create a new memo that contains all the meeting information. Similarly, a To Do item can be dragged onto the Calendar bookmark to create a new appointment.

Rename a resource
Allows users to rename existing rooms or resources, and still maintain existing reservations.

Reset times on some or all instances of a repeating meeting
Users can now reschedule repeating meetings with greater granularity. A Chair now has the ability to reschedule a set of meetings to an absolute time.

Mail

Ability to set Notes as default e-mail client (Win2000/XP)
The Notes 6.5 client takes advantage of a new UI component under "Add/Remove" programs that Microsoft provides in the Windows 2000 Service Pack 3 and XP platforms, to allow users to select Notes as the default e-mail client.

"Follow Up" feature
The new "Follow Up" feature allows a user to flag a message as requiring some type of future action; the flag appears next to the message in the user's view (e.g., Inbox). Users can sort on the column containing the flag, such that all "to-be-followed-up" items appear grouped together in the view. When the user has completed their follow-up work, the item is un-flagged.

The Follow Up functionality applies to mail items only, and can be accomplished from any mail view except "Trash" and "Drafts".

QuickRules to help manage junk mail (spam)
The QuickRules feature enables end-users to create mail rules more efficiently, in order to avoid spam e-mails coming from the Internet, by allowing them to create Filters (Rules) using very few steps. Most of the information required to create the QuickRule will be supplied automatically, so that the user only has to determine the Conditions and Actions under which the QuickRule will execute.

Instant Messaging (integration with Sametime)
From the Notes client, users can now take advantage of an integrated Sametime awareness of names, including active names in the mail 'Sender' field, that shows whether or not that person is currently logged into Sametime. The user then has the ability to right-click on those names to start a chat.

Replied to/forwarded mail indicator
This feature provides a way for users to easily determine whether they have responded to or forwarded a particular document. Icon indicators are provided at the view level, and an indicator in the note header area, to show that a Reply/Forward has occurred.

'All Unread' view
The 'All Unread' view allows users to see only the unread documents in their mail file.

Added time to Inbox date column
Users can now see the time as well as the date in the mail Inbox view.

Option to not include distribution lists when printing
When printing memos or Calendar entries, users can now specify whether to print the contents of the entire "To:" or "cc:" fields, or limit it to three lines. This feature is also available to users as a roaming preference.
**Views**

**Support for view export to CSV format**
Users now have the option to export Notes view data in CSV format. The Comma Separated Value (CSV) format is a simple ASCII text file with one record per line whose fields are separated by commas. The documents in the view will appear as individual records in the CSV file.

**Improved manual URL entry**
Users can more easily enter a URL if the Address toolbar is closed.

**Prompt for Read and Unread**
A prompt has been added when users select "Mark all Read" or "Mark all Unread".

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**Domino Web Access (formerly iNotes Web Access)**

**Browser**

**Mozilla support for Linux**
Domino Web Access supports Mozilla 1.3.1 on Red Hat Linux 7.2, 8.0, 9 and SUSE LINUX 8.0 (including UnitedLinux 1.0).

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**Calendaring and Scheduling**

**Multi-time zone support**
Calendar entries and the Calendar view now support multi-time zones, allowing calendar entries where the Start time is in one time zone, and the End time is in another (for example, on a cross-country flight).

**Instant Messaging (integration with Sametime)**
From the Notes client, users can now take advantage of an integrated Sametime awareness of names, including active names in the mail 'Sender' field, that shows whether or not that person is currently logged into Sametime. The user then has the ability to right-click on those names to start a chat.

**"Pencil-in" a meeting**
Calendar entries (meeting, To Do, appointment) now have the option to be 'pencilled-in'. When an item is marked in this way, other people with access to the user's calendar can see details of the event, but the time appears as free time to people who do a free time search.

**Support for Group To Do**
Users can create group To Do items that can be assigned to another person or group.

**Ability to integrate additional calendar formats in 'Welcome' page**
Users can now choose to have 1 - 10 days of their schedule display in their Welcome page; previously, only the 1-day Calendar format was available.

**Full C&S delegation model**
Users can delegate the scheduling and response to meeting invitations to another user.

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**DOLS**

**Plug-in for Linux Mozilla**
DWA provides plug-in support on Linux, Mozilla 1.3.1 only.

**Support for truncated documents or applicable replication filtering (e.g., no attachments)**
Improves the replication setting for DOLS by reducing the size of attachments brought down to the desktop. Documents are truncated at 100 KB.

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**Forms**

**Phone Message form**
Users can now fill out a phone message form that is sent via e-mail to inform someone of a phone call.
Mail
Local archiving
Users can choose to archive locally to their own workstations (Internet Explorer only).

'Copy into' enhancement
When reading a mail message, users can copy the contents of the body of the message into a new Calendar or To Do entry. From the open mail message, click Copy Into and select New Calendar Entry or New To Do.

Send-and-file
New messages can be sent and filed to a folder, in one step.

Support for user-defined dictionary
Allows users to add words to, and reference spell-check against, their personal dictionary.

Send encrypted mail
Added the ability to send encrypted mail, sign, and verify Notes-encrypted messages.

Add a name to Contacts
Users can copy a name from the Domino Directory to their Contacts address book. This option is available when users click the Check Name button and access the Select Addresses dialog box in Domino Web Access.

Block Sender rule
Users can set a new mail rule that blocks mail from a specified sender.

View Unread
Users now have a new view option that shows unread messages only.

Internet-style reply
Users can choose to use internet formatting when replying to a mail message.

"Follow Up" feature
The new "Follow Up" feature allows a user to flag a message as requiring some type of future action; the flag appears next to the message in the user's view (e.g., Inbox). Users can sort on the column containing the flag, such that all "to-be-followed-up" items appear grouped together in the view. When the user has completed their follow-up work, the item is un-flagged.

The Follow Up functionality applies to mail items only, and can be accomplished from any mail view except "Trash" and "Drafts".

Create page breaks
Users have the ability to create page breaks in mail messages.

Performance
Ability to see total database size
Users can view the total size of their databases and percentage of their database quota used. This is helpful in allowing users to track how close they are to exceeding their quota.

Open in New Window
This new menu option allows users to open any of the major functional areas, such as mail or calendar, in a new window.

GZIP compression
Domino Web Access uses compression (GZIP format) to reduce network bandwidth consumption and provide better performance, particularly for users with slow network connections.

Support for name change requests
The Administration Process (AdminP) function now handles the client interaction necessary for name change requests.

Print
Printing from views
Users can select and print multiple documents in a view, or print a selected view.

Print Contacts
Users can print a Contact record.

Add time stamp to Calendar printouts
Besides the date, a time stamp now appears on Calendar printouts.

Print Memo body in 'Edit' mode
Users can now print documents, including the document body, in 'Edit' mode.
Templates

Easy customization
Domino developers can now easily customize the look of Domino Web Access mail. Using Domino Designer, developers can add action buttons to views or dialog boxes, provide additional choices for the Welcome Page, and replace the Domino Web Access logo with a corporate logo. For more information on this utility, see the Domino Administration Help.

Utilities

Integration with Redirect Utility
Domino Web Access Redirect allows users to access their mail file without needing to know the name of their mail file or the name of their mail server. Using Domino authentication methods, Domino Web AccessRedirect will redirect a user’s browser to their mail file based on their username/password. Users need only know the name of the Domino Web AccessRedirect server. For more information on this utility, see "Use Domino Web Access Redirect to Access Mail" in the 'Things You Need to Know - Domino Web Access' section of these release notes.

Domino Server

Application Development

Java, COM, and CORBA bindings
Enhancements have been made to both the XML and non-XML LotusScript classes in the Java, COM, and CORBA bindings.

LotusScript NotesRegistration class enhanced
Additional functionality has been made available in the NotesRegistration class, applicable to all bindings.

Database Management

Replication of Unread marks
Unread marks can be replicated for selected databases, most notably mail databases, by using the advanced database properties from the Domino Administrator, or from the database properties box.

Domino for iSeries

Multi-versioning support
 Gives administrators the ability to run more than one version or release of Domino in a single iSeries partition, for example, Domino 6.0.2 and Domino 6.0.3.

Domino for z/OS

Exploit hardware cryptography for SSL
This feature helps to reduce CPU rates when doing SSL, especially in the iNotes context.

Performance

Platform statistics for Domino on Linux
Platform statistics are now supported for Linux and for Linux on zSeries. You can now view, control reporting, collect, and perform other statistics-related tasks just as you would for other Domino server platforms.

Platforms

Linux on zSeries platform support
Beginning with Domino 6.5, Linux on zSeries is a supported platform for Domino. The specific version of Linux on zSeries supported is UnitedLinux 1.0 for IBM S/390, with Service Pack 2. For additional information, please see the “Domino for Linux on zSeries” chapter of these release notes.

Windows 2003 Server, Enterprise Edition platform support
**Server Load**

**New workloads added**
There are new Server.Load workloads for Domino Web Access, IMAP, and R6 mail.

**Serviceability**

**Serviceability enhancements**
With the current release of Domino 6.5, many new serviceability enhancements have been introduced, including:

- Unify FaultRecovery/CleanupScriptPath interface
- Free-running Memcheck to validate in-memory data structures
- Timestamps in SEMDEBUG.TXT
- Collection/recording of basic system and server data at startup to allow checking for server or client changes
- Logging the name and thread ID of HTTP agent at runtime

**Server, Domino Web Access**

**Domino HTTP idle session timeout for SSO configurations**
Domino HTTP supports SSO (Single Sign-On configuration for Domino HTTP multi-server session-based authentication). The SSO configuration now allows the administrator to configure an idle timeout, in addition to the SSO fixed expiration timeout. The idle timeout and the fixed expiration timeout both influence when an SSO user may be reprompted to enter in a password.

The use of the fixed expiration timeout remains the same. The user may be prompted for a password when first accessing an SSO HTTP server. Thereafter the user can access this server as well as other SSO servers in the configuration without being reprompted for a password. The fixed expiration timeout provides the maximum amount of time that an SSO user can continue to operate in the SSO environment without being prompted again for a password.

The SSO idle timeout additionally allows the administrator to control how long the user can remain idle after logging in, i.e. how long the user is not actively accessing the SSO environment. For example, a user's SSO session may become idle when the user has stepped away from his desk for some period of time. The idle timeout can guard against the situation of users leaving an SSO session unattended. If the user does not access the SSO environment within the configured amount of time, the user's session becomes idle and the user will be reprompted for the password the next time that the user accesses the SSO environment. This SSO idle timeout is similar in concept to the idle timeout that has long been available for Domino HTTP single session servers, however the SSO configuration honors both an idle timeout as well as the configured SSO fixed expiration.

An idle timeout is specified in minutes. Each Domino SSO HTTP server has the ability the check the configured idle timeout and reprompt the user for a password if the user's session has been idle. As with any timeout or expiration enforced across multiple machines, there is potential for problems if the participating machines do not share the same notion of what time it is. A short idle timeout may be difficult to deploy and is not recommended if various machines in the SSO environment do not have their clocks synchronized.

The idle timeout should be considered as a minimum; sometimes it may take longer than the minimum for the idle timeout to occur. The idle timeout period is often effectively about twice the minimum. For example, if the administrator configures a minimum idle timeout of 5 minutes, sometimes the user's idle timeout may occur after 5 minutes; other times it may actually take up to 10 minutes for the user's session to timeout. Since various conditions determine when the idle timeout occurs, the idle timeout should be viewed as a range, with the earliest timeout occurring at the configured time while sometimes being delayed to about twice the configured time.

Because the idle timeout should be viewed as a range, the idle timeout will work best in general if it is one-half the amount of time (or less) than the configured fixed expiration. Suppose that the configured fixed expiration is 30 minutes. In this case, the idle timeout will be most effective if it is configured for 15 minutes or less (a greater idle timeout may result in the fixed expiration largely determining the behavior). For example, for a fixed expiration time of 30 minutes, it may be appropriate to set an idle timeout anywhere from 5 to 15 minutes.
To configure the idle timeout, two new settings have been added to the SSO configuration (underneath the Expiration minutes, which is what has been referred to here as "fixed" expiration).

Idle Session Timeout Enable
A checkbox allows the administrator to configure an idle timeout. This checkbox is unchecked by default.

Minimum Timeout (minutes)
If the idle session timeout is enabled, this setting specifies the number of minutes that a user can remain idle before the session may be considered expired due to being idle. This number must be greater than 0 and less than the fixed Expiration minutes.

The SSO idle timeout configuration potentially impacts all the participating Domino HTTP servers in the SSO environment. In order for the idle timeout to be honored by all Domino HTTP servers in the configuration, each Domino HTTP server must be upgraded to run this release. While it is possible to deploy an idle timeout in an SSO configuration that includes Domino machines running previous releases, the idle timeout behavior will not be consistent unless all machines are upgraded.

SSO configurations may apply to both Domino and WebSphere, however, the idle timeout configuration will be most useful and easiest for users to understand if all participating machines in the SSO environment are Domino machines. In a mixed Domino/WebSphere environment, users may experience an idle timeout on Domino servers, but will not encounter an idle timeout when accessing WebSphere. Since WebSphere only supports the notion of fixed expiration, an idle timeout can't be supported with WebSphere SSO. Therefore, if the SSO configuration includes WebSphere, and if the user logs in first to WebSphere to obtain access to the SSO environment, then the idle timeout will not apply to the user's session.

Server

Improved Agent Manager start-up for fixup databases
The current release of the Domino server contains an improvement to how the Agent Manager start-up handles databases that require fixup. As part of its start-up, Agent Manager needs to scan all databases for agents; there are two situations that are possible:

Scenario 1
Agent Manager attempts to scan a database that is being fixed up (some process other than the Agent Manager initiated fixup).

- **The old behavior**: Agent Manager skipped over the database; scheduled agents in that databases did not run until the next time the agent manager re-scanned the databases (either the next time agent manager was restarted, or during night-time cache update).

- **The new behavior**: Agent Manager skips over the database while it is being fixed up, then, when it becomes available, scans the database for scheduled agents. This happens on a separate thread, while the Agent Manager is starting running agents in other databases that were available.

Scenario 2
Agent Manager finds a database that requires a fixup:

- **The old behavior**: Agent Manager would initiate fixup, wait until the fixup was finished and then scan the database for scheduled agents. Depending on the size of the database, this could take some time. Agent Manager did not run any agents until the fixup was finished and the scan of the databases continued in sequential order.

- **The new behavior**: Agent Manager skips over the database that requires fixup and, when the scan of other databases completes, it starts a separate thread which starts fixup, waits for the fixup to complete, and scans the database for scheduled agents. The Agent Manager starts running agents in other databases that were available without waiting for the databases that require fixup.
Default behavior changed
The new behavior is the default behavior since it provides many advantages. But, if some customers would like to have the old behavior, it can be enabled by using the `DEBUG_AMGR_PREVIOUS_STARTUP_BEHAVIOR=1` Notes.INI setting.

The new multi-threaded AMGR startup logic may increase the possibility that some agents will begin execution before all databases on the same server have been processed by fixup when the server is restarted following a crash. If such agents depend on other databases on the same server, and the agents were not written to handle error conditions when the databases they depend on are unavailable, such agents will be more likely to fail.

This INI variable will allow users to revert to the old, single-threaded start, which does not remove the possibility of databases being unavailable, but makes it less likely.

Administrator Client, Domino Web Access

iNotes Web Access renamed Domino Web Access in 6.5
The name of iNotes Web Access has been changed to Domino Web Access. Along with this change, the iNotes Sync Manager has changed to the Domino Sync Manager. Setup selections in Domino Administrator documents, including the names of tabs and field-level options as changed as well. The name iNotes or iNotes Web Access has changed in the Domino Administrator dialog boxes, messages, and field-level options.

Template file names, such as iNotes6.ntf have not changed. The directory structure (server/data/iNotes folder) has not changed.

Server, Domino Web Access

Internet password change cached by HTTP server for SSO users
This release note outlines the new HTTP server caching of Internet passwords for SSO users:

Overview
When a web user changes his Internet password, the Domino HTTP server will remember the user's new Internet password in its cache. Caching is needed because the new password can otherwise require some time to take effect (i.e. a password change must be processed by the Domino administration server and replicated throughout the Domino environment). Caching of the user's new password allows the HTTP server to immediately recognize the user's new Internet password and accept it for login, even though the user's new Internet password information may not be finished replicating in the Domino environment.

In previous releases, caching of password changes has been operational for HTTP servers configured for Basic Authentication, and for HTTP servers configured for Single Session Authentication. This enhancement allows password changes to be cached when the HTTP server is configured for SSO (Single Sign-On Multi-server Session-based Authentication). The enhancement allows an SSO user to login, change the Internet password, logout, and login again using the new Internet password during the period that the change is still replicating throughout the system.

Best practice
Administrators should instruct users to follow these steps for best results:

1. Login by giving your user name and password to your Domino HTTP server that has been upgraded with this enhancement. For example, you may be prompted to login to your server on your first attempt to access a server URL, such as your iNotes mail URL.

2. Submit the Internet password change request.

You can initiate password change from within iNotes (however, caching will occur only if your iNotes mail is located on an upgraded server). Click ‘Preferences’, click ‘Other’ tab to find the Change Password button.

Another alternative to initiate the password change is to invoke the ChangePassword URL on the upgraded server, e.g. http://myserver.mycompany.com/names.nsf?changepassword
3. It may take some time for the password change to take effect on all the servers in the SSO environment. During this time, whenever you login, you should always login first to this server where you requested the password change, using the same user login name as before and provide the new password.

If for some reason the new password is not accepted on the server where you requested the password change, then try again with the new password, but this time enter your user name in distinguished name format (e.g. "CN=John Doe/O=MyCompany").

**Location of cached information**

As with previous releases, the user's cached new Internet password is only stored on the HTTP server where the password change was requested. Other servers in the SSO environment do not have access to this cached information; therefore if the user is prompted for a password by any of these other servers, the user may have to supply the old password rather than the new one. On servers which do not have the cached information, the user must provide the password that matches password information found by that server in the directory.

Note that for an SSO user, initial login provides access to the entire SSO environment, therefore the user will have no problem if all login activity can be done consistently at the server that cached the new password. The user can attempt to access a URL on the target server and be prompted for a password by that server, rather than opting to supply a password to a server that does not have the cached new password.

**Duration of caching**

As with previous releases, the cached new Internet password is honored by the HTTP server for 48 hours. The length of time information is cached is configurable using the notes.ini parameter HTTP_PWD_CHANGE_CACHE_HOURS.

Once the information times out from the cache, the user can only login using the password that can be verified against the password information found by the server in the directory. If the HTTP server is restarted, the cached password information will be discarded. Likewise in this case, the user must provide the password that matches password information found by the server in the directory.

**SSO login name details**

Normally, users grow accustomed to logging in a certain way. For example, if a user does a login as "John Doe", typically the user will always login as "John Doe". However, depending on how the HTTP server is configured, this consistency may not be required, i.e. the server document configuration can allow variations on login names (Internet authentication field: 'More name variations with lower security' option). For example, the user "John Doe" might also be allowed to login using the shortname "jdoe" or some other name variation stored in the directory. However, this causes a slight problem for using cached password changes. In order for the cached new Internet password to work, the user must login with the same spelling of the user name that the user logged in as before.

Use of the new password relies on the HTTP server finding the user in its cache. For example, if the user logged in previously as "John Doe" when changing the password, the user can't login later with the new password and a valid other name such as "jdoe". The user must login with the new password using "John Doe" as before.

**Problem scenario: User provides other spelling of name**

Suppose the user does attempt to login as "jdoe" (after having logged in previously as "John Doe" and requested a password change). The user "jdoe" must provide the password that matches the password information in the directory, which might be the user's old password. The cached information for user "John Doe" cannot be used because the HTTP server doesn't know that "jdoe" is the same user as "John Doe" until the directory lookup is done and the password is verified against the information in the directory. Once a user is logged in as "jdoe", then the matching item in the cache can be found and the password change information transferred to the cache entry for "jdoe". After this, "jdoe" login can use the cached new Internet password! However it is likely that the HTTP server will keep only one copy of this information in its cache, and the previous cache entry for "John Doe" may be deleted (which means that the cached password information is no longer available for "John Doe" login).

In summary, the user can login with the new Internet password using the login name currently in the cache; for some other variation of the name, the user must provide password information that matches the information currently stored in the directory.

**Problem scenario: User initially does a login to one SSO server, then requests password change on another server**

Prior to requesting a password change, suppose the user does his initial login on some server in the SSO configuration. Anytime a user does a login (providing login name and password) to an SSO server , the user’s browser receives an SSO token which allows him to access other servers in the configuration without having to login again. Suppose after this initial login, the user then accesses a second server (where the password change will be requested). The second server receives the user's SSO token and knows the user only by what is stored in the SSO token. In the SSO token is the user's distinguished name, e.g. "CN=John Doe/O=MyCompany". The second server doesn't know what name the user provided at login time (e.g. could have been "John Doe", but this is unknown to the second server). Suppose then the user changes his password on the second server (e.g. suppose the user opens iNotes mail URL on the second server, and requests password change from Preferences).
The second server will cache the new Internet password for this user. In this case, the server does not have the user's
login name, because the user logged in somewhere else first. The second server remembers the new password, but
remembers that the new password applies to the user with the distinguished name in the SSO token, e.g. "CN=John
Doe/O=MyCompany". If the user logs out and later wants to login directly to this server with the new Internet
password, the user must provide the name that matches the name in the SSO token, i.e., the user's full distinguished
name such as "CN=John Doe/O=MyCompany".

Problem scenario: the user's initial login authentication is completed by a DSAPI filter library
The HTTP server can be extended by the addition of one or more DSAPI filter libraries, which can be configured to
require the HTTP server to pass authentication requests to the DSAPI libraries. A DSAPI library may not control
authentication to all URLs on the server, but instead it may concern itself with only some of the server URLs. Suppose
the URL that the user enters is associated with a particular DSAPI library on the server machine; in this case the user's
login name (e.g. "John Doe") and password may be passed to the DSAPI library so that this library can decide whether
the user should be authenticated. As part of this process when authentication is approved, the DSAPI library will pass
back to the HTTP server the name of the user that has just been authenticated. Generally the name that is passed to
the HTTP server is a name in distinguished name format e.g. "CN=John Doe/O=MyCompany". This name is what the
user is known by to the HTTP server, that is to say that the HTTP server may not know the user as "John Doe", but
instead knows the user as "CN=John Doe/O=MyCompany".

Suppose then that the user requests a password change (e.g. the user invokes the ChangePassword URL). The HTTP
server will cache the new Internet password for this user, using the name it knows for this user, e.g. "CN=John
Doe/O=MyCompany". (Please note that the password change is not passed to any DSAPI library, and while a
password change impacts what is recorded in the directory for this user, the password change likely does not impact
the DSAPI library's notion of the user's password.) If the user logs out and later wants to login with the new password
to a URL on the server not associated with the DSAPI library, the HTTP server will be responsible for verifying the
user's name and password. If the password change to the directory is still pending, the HTTP server can verify the
user's new password only if it is found in the cache. In order to find the user in the cache, the user must provide the
name that matches the name in the cache, i.e., the user's name such as passed from DSAPI, e.g. "CN=John
Doe/O=MyCompany".

Client
Making Notes the default mail client for Windows 2000 and XP
There are now several ways for Windows 2000 and Windows XP users to make Notes the default mail client.

- During Notes client installation. During the Notes installation process, users are prompted, through a dialog, if
  they want to make Lotus Notes the default mail client. This option only appears if the user is running the
  installation with their Windows 2000 or Windows XP administrator privileges.

  If this option is not selected at install, there are other options to designate Notes as the default mail client:

  - Through Windows "Set Program Access and Defaults":
    1. Click Startup > Set Program Access and Defaults. The Add/Remove Programs dialog appears.
    2. If not already selected, click Set Program Access and Defaults.
    4. To add Notes to the Start menu, enable "Show this Program." (You can also remove Notes from the Startup menu
       this way.)
    5. Click OK.

  - Through Notes User Preferences:
    1. Choose File > Preferences > User Preferences. The User Preferences dialog appears.
    2. Click Mail > Internet.
    3. Under "Default email programs," select "Use Lotus Notes as my default email program."
    4. If Notes is not the Windows default email client, a user prompt can be enabled to ask the user to make Notes the
default client. To do this, click "Lotus Notes should check on startup to see that it is my default email program." If
Notes is not the default, the user is prompted.
    5. Click OK.

Note: The Notes User Preference setting only takes effect if the user is logged in to Windows with local administrator
privileges.
New IBM Lotus Domino Access for Microsoft Outlook

New Product Information
The product iNotes Web Access for Microsoft Outlook now has a new name, IBM Lotus Domino Access for Microsoft Outlook.

For information on setting up mail files on the server and downloading Domino Access for Microsoft Outlook, refer to the setup and download instructions below. Do not use the topic "iNotes Access for Microsoft Outlook" in the Domino Administration help. This topic is incorrect.

IBM Lotus Domino Access for Microsoft Outlook
IBM Lotus Domino Access for Microsoft Outlook is similar to iNotes Web Access, but uses a Microsoft Outlook client to access mail file databases instead of a Web browser. Domino Access for Microsoft Outlook requires a Domino Off-line Services (DOLS) - enabled server, which allows users to open their mail files online or offline. For more information about DOLS enablement, see the Domino Administration help.

Domino Access for Microsoft Outlook supports Outlook 2000 or XP. The Microsoft Outlook client must be a "Corporate or Workgroup" client. To check your Outlook client, start Microsoft Outlook, then choose Help - About.

Note: Domino Access for Microsoft Outlook does not support "Internet Mail Only" clients. Outlook 2K will only work with the first IMAP user profile that is created, any others created after that do not work properly.

Setting up your server for IBM Lotus Domino Access for Microsoft Outlook:

For Outlook 2000 Only Create the Necessary EXE and INF Files
(This section is for Outlook 2000 Client installations only. For Outlook XP only configurations please skip to "Setting Up Mail Files on the Server")

You must create a custom fileset, using the pstprx32.dll file. This file can be found in "C:\Program Files\Common Files\System\Mapi\1033\NT" after installing Outlook.

Make sure PKZIP 2.5 is installed. Create a temporary subdirectory ("TEMP\MAPI" for example).

From command prompt:
Create directory \temp\mapi
Change directory to \temp\mapi
Copy Program Files\Common Files\System\Mapi\1033\NT \pstprx32.dll to \temp\mapi
Copy Domino\Data\domino\html\download\filesets\dolmkinf.exe and put it into \TEMP\MAPI
NOTE: From a UNIX server, the file DOLMKINF.exe must be FTP'd from the /notesdata/domino/html/downloads/filesets folder. When transferring this file via FTP, make sure to type "bin" on the ftp console command line (to switch to binary transfer mode) BEFORE transferring the file. Not doing so will result in a damaged file.
Type dolmkinf -d \TEMP\MAP\ \f n.IMAPDLL.inf -v602
(When successful, IMAPDLL.inf will be created)
Type pkzip25 -add -rec -dir=relative -path=relative -excl=IMAPDLL.inf \TEMP\MAP\IMAPDLL \TEMP\MAP\*. *
(When successful, IMAPDLL.zip will be created)
Type pkzip25 -sfx \temp\mapi\imapdll
(When successful, IMAPDLL.exe will be created)
Rename IMAPDLL.exe n.IMAPDLL.exe
Copy both the n.IMAPDLL.exe and n.IMAPDLL.inf to:
   Win Server : Lotus\Domino\Data\domino\html\download\filesets
Setting Up Mail Files on the Server
To set up your Domino Access for Microsoft Outlook users, follow these steps.

1. Launch the Domino Administrator
2. Verify IMAPDLL is in mail6ex.ntf (Extended mail template)
   - From your Notes or Admin Client, File - Database - Open. Select the server. Enter the template name mail6ex.ntf.
   - Select Actions
   - Click on Edit Offline Configuration
   - Select Services Tab
   - Click on Custom Services
   - In the field, Custom services to install offline, enter imapdll
   - Click on Save and Close

3. Register users with the Extended Mail template (MAIL6EX.NTF). (For information on this topic, "Registering Users" is in the Domino Administration help.)
   - For existing users, replace the design of their mail files with the Extended Mail template. For new users, create mail files with the Extended Mail template.
   - In each user’s Person document in the Domino Directory, enable the “Set Internet password” field and make sure the “Internet Address” field has been filled in. This is the address that Domino Access for Microsoft Outlook will use to reach that person.
4. For new servers, create a DOLS Offline Security Policy document. (For information the topic "Creating a DOLS Offline Security Policy document" in the Domino Administration help.)
   - From your Notes or Admin Client, File - Database - Open. Select the server. Enter database name doladmin.nsf.
   - Enter the domain that this policy affects. For example, /US/Company, or /Company (include the leading slash).
   - Enter the ID deployment policy: Select a policy. For information on policies, see the topic "Creating a DOLS Offline Security Policy document" in the Domino 6 Administrator Help.
5. Give each user a Notes user name, Internet password, and URL.
   - Provide users with a URL that points to their mail file. Append /inotes to the end of the URL. For example: http://server1/mail/jsmith.nsf/inotes
6. In your Server document, Security tab under Programmability Restrictions in the field Run restricted LotusScript/Java agents, make sure that the ID that you edited the templates with is included in the "Who can" field.
   - Under Programmability Restrictions enter */domain name in these three fields:
     - Sign agents to run on behalf of someone else
     - Sign agents to run on behalf of the invoker of the agent
     - Run restricted LotusScript/Java agents.
7. The server ini file must have the IMAP service enabled and a setting added to the notes.ini file.
   - Open notes.ini located in Domino directory.
   - Verify that in the “ServerTasks=” line, the task IMAP is listed. If it is not, append that to that line.
   - Append the line CS2ImapMime=1.
   - Save the file

Note: E-mail addresses are not defined as a common name, but as an Internet e-mail address.

Important note for localized (international) Windows client users
When attempting to install Domino Access for Microsoft Outlook on a localized (international) Windows client, all the files will install, but then the user gets an error and first synchronization does not occur.

By default, the iNotes agent in the mail file template on the server is set for the multi-user environment. You must "shut off" the multi-user setting. To do this:
   - On the server, open up the mail file in Domino Designer.
   - Edit the agent: iNotesAgent
   - On the line that contains the text UserRoamingDataDir set the value from "1" to "". For example:
     ```
     'Call profdoc.ReplaceItemValue("UserRoamingUserDataDir", "1")
     Call profdoc.ReplaceItemValue("UserRoamingUserDataDir", "")
     ```
   - Save the file change (since you are editing the agent, you may have to update your server record to allow you to run agents).
   - Install the subscription.
Client configuration of IBM Lotus Domino Access for Microsoft Outlook

To use their Domino Access for Microsoft Outlook mail file, users must do the following:

1. Open a Web browser and enter the URL supplied by the administrator of your mail file.
2. When prompted, enter their Notes user name and Internet password to access the download page. From the download page, users can choose the language of the Lotus iNotes Sync Manager (client software for managing and synchronizing the mail file. This software will bring the appropriate configuration files to enable Microsoft Outlook to connect to Domino.
3. Click "Start Download" to download the mail file. During the download, the mail file and Lotus iNotes Sync Manager software are installed. When the iNotes Sync Manager appears, it must remain open while the subscription is synchronizing for the first time. Users can close the iNotes Sync Manager after the status column no longer says Active.
4. Start Outlook. When prompted, select the mail profiles
   - Mail on servername - the version of the mail file on the Lotus Domino 6 server.
5. This profile will provide access to the Domino Server. When connecting with IMAP through Outlook it is necessary to select the inbox folder to enable access to Domino data.

Change Password and Out of Office Feature Setup within IBM Lotus Domino Access for Microsoft Outlook

Users can now change their local client and Internet passwords in Outlook, using Domino Access for Microsoft Outlook. If users have synchronized their internet and Notes passwords, then both passwords are changed. Users can also enable the Out of Office agent from within Outlook. Both of these features can be changed from the Tools, Options, Domino Administration Tab in the Outlook Client.

Setup - Change Password within IBM Lotus Domino Access for Microsoft Outlook
For Change Password feature to work, there must be a Policy document that includes a Security Policy Settings document in the Domino Directory. You can create an explicit policy for this purpose, or you can edit an existing Security Policy Settings document. For information on creating and assigning policies, see the Domino Administration help on Policies.

Setup - Out of Office Feature within IBM Lotus Domino Access for Microsoft Outlook
For the Out of Office Agent to be enabled and/or disabled using an Administration Process request, the user’s home server must be listed in the Administrators field of the user’s Person document. To do this during user registration, complete the following steps:
1. From the Domino Administrator, click the Configuration tab.
2. Under Tools, open Registration and click Person.
3. Check Advanced, and then click Other.
4. In the Local administrator field, type name of the user’s home server.

Using the Change Password and Out of Office features within IBM Lotus Domino Access for Microsoft Outlook

Change Password
1. Click Tools, and then select Options.
2. Click the Domino Preferences tab.
3. Click Change Password
4. Enter the old password, and then enter the new password.
5. Enter the new password again for confirmation and then click OK.
6. Keep in mind that this change will take a few minutes because it is an Adminp request. A message informs the user when the password has been changed.

Out of Office
When this feature is enabled, Outlook sends a message in response to mail for the dates the user specifies. The sender of emails will receive an out of office notice only the first time they send an email to a person who has the out of office agent enabled.
1. Click Tools, and then select Options.
2. Click the Domino Preferences tab.
3. Click Out of Office
4. Enter the first day out of the office, and the first day back in the office in the appropriate fields.
5. Enter a subject and a message in the space provided.
6. Click OK.
7. Keep in mind that this change will take a few minutes because it is an Adminp request. A message informs the user that the Out of Office agent is either enabled or disabled.
Known Issues

- Migration -- There is no way to automatically migrate Microsoft Exchange Data to Domino. The standard migration tools within Domino are still fully available, however none of the existing Calendar data within the Domino mail file will be accessible to the Outlook client.
- Server Backup -- You must back up your Outlook pst file on your workstation. It is not possible to recreate any data that is stored on the workstation from the server.
- Cluster Failover -- This feature is not available with this product.
- Access to PST file is from single workstation -- The Microsoft Outlook PST file can only be accessed by a single workstation connected to the Domino server. Access from a second client is not possible.
- Folder creation -- You cannot create nested subfolders when using an IMAP server.
- Passwords -- The Remember Password check box does not work.
- Subscription configuration -- The subscription configuration screen does not close after the iNotes Sync Manager closes.
- Post to a Folder -- In Outlook Today, you cannot post to a folder.
- Voting buttons -- When Outlook XP sends a Notes message with Voting Buttons, the buttons do not appear.
- Encrypted Notes Mail -- You cannot read encrypted Notes mail using IBM Lotus Domino Access for Microsoft Outlook.
- Mail Delegation -- You cannot access a second Outlook mail file from the Outlook client.
- Mail Message Sensitivity options -- Under Message Settings, you cannot change the sensitivity to Personal, Private, or Confidential. The message is always received as Normal.
- E-mail addresses -- In Outlook2K contact e-mail addresses with accented (non-ascii) characters do not work. When e-mail is sent to recipient in the BCC field, information in the recipient’s TO field is Incorrect.
- Mail To and From fields -- Depending on where the reply was sent from, the format of the From address my be inconsistent. The format in the "To" field differs when doing a Reply to All.
- Free Time Lookup -- You cannot look up another user's freetime availability.
- Calendar Delegation -- There is no way to allow another user to have access to your calendar.
- Group Calendar -- There is free/busy capability for group calendars.
- Scheduling a Meeting -- When scheduling a meeting, you cannot see the free/busy time of the invitees.
- Multiple Meeting Invitations -- If you open a meeting invitation in Outlook and take no action, multiple meeting invitations are created.
- Attachments in a Meeting Request -- When a meeting request is sent with an attachment, the attachment is not received; it should be forwarded separately as indicated by Outlook.
- Accept/Decline a Meeting -- In Outlook 2K, if you edit the response when accepting or declining a meeting invitation, the Chair does not receive the edited response.

Using an IMAP Server with Outlook

Microsoft has documented the differences in Outlook when using an IMAP server instead of a Corporate Workgroup account. For information see: http://support.microsoft.com/default.aspx?scid=kb;en-us;197636

Notes/Domino 6.5.1

Administrator Client, Client, Server

EM_GETPASSWORD with smartcard-enabled ID files

Starting in Domino 6.0.4 and Domino 6.5.1, EM_GETPASSWORD extension manager callouts can be used to unlock smartcard-protected ID files by passing the cryptographic token’s PIN in through the extension manager instead of the password.

Administrator Client, Server

Event Monitor and LDAP server tasks load automatically

Lotus Domino server 6.0 and more recent automatically loads the Event Monitor task because event monitoring is required for some of the Domino 6 features. In previous versions of Domino, administrators were required to set a NOTES.INI variable to load the Event Monitor task. Use of the NOTES.INI variable is not necessary and does not impact the loading of the Event Monitor.
In Lotus Domino 6, the LDAP service runs automatically on the Domino Administration server for the Domino Directory domain. The Domino administration server maintains the LDAP schema and runs the directory tree verification process for all LDAP services in the domain.

If you prefer not to have the LDAP service running on the administration server, you can do the following:

- Prevent the LDAP service from processing LDAP client requests
- Disable the LDAP service for the domain

For information on how to prevent the LDAP service from running automatically, see the topic "Preventing the LDAP service on the administration server for the Domino Directory from processing LDAP client requests" in the Domino Administrator 6 documentation.

For information on how to disable the LDAP service, see the topic "Starting and Stopping the LDAP Service" in the Domino Administrator 6 documentation.

Server

**SMP support added to Red Hat Enterprise Linux 2.1**

As of the current release, support for Red Hat Enterprise Linux 2.1 on SMP boxes is introduced.

Administrator Client, Server

**"ServerTasks=" Notes.INI variable**

The Domino Administrator 6 and more recent documentation is being updated. The Notes.INI variable "ServerTasks=" no longer references the Event task because the Event task is started automatically by the Domino 6 server.

**Notes/Domino 6.5.2**

Administrator Client, Client, Designer, Server, Domino Web Access, Domino Access for Outlook

**New features in Notes/Domino 6.5.2**

**Client**

**Added unique identifier for Notes connection to Sametime**

There is now a unique identifier that Notes uses as its login type to a Sametime server; 0x2000. This provides administrators with an easy way to separately monitor connections from Notes and from the Sametime Connect client. Previously, both Notes and the Sametime Connect client were identified with the same code.

**Domino Web Access**

**Support for Reply/Forward indicators**

Domino Web Access supports the use of Reply/Forward indicators, allowing a user to see whether a message has been replied to, or forwarded.
DWA will use the same setting as the Notes Client to determine whether to set the Reply/Forward indicators. The setting is in Database property: "Mark parent note on reply or forward". By default, the feature is enabled in mail template. Note that DWA does not provide its own UI to change this setting, because all DWA users do not have the right to change the database properties, by default.

```
DWA will uses the same setting as the Notes Client to determine whether to set the Reply/Forward indicators. The setting is in Database property: "Mark parent note on reply or forward". By default, the feature is enabled in mail template. Note that DWA does not provide its own UI to change this setting, because all DWA users do not have the right to change the database properties, by default.
```

There are icons in the view level, as shown below:

- Replied to
- Forwarded
- Replied and forwarded

<table>
<thead>
<tr>
<th>Who</th>
<th>Date</th>
<th>Time</th>
<th>Size</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>one test</td>
<td>11/03/2003</td>
<td>06:16PM</td>
<td>2236</td>
<td>test</td>
</tr>
<tr>
<td>one test</td>
<td>11/03/2003</td>
<td>06:16PM</td>
<td>1674</td>
<td>test</td>
</tr>
<tr>
<td>user1 ibm</td>
<td>11/03/2003</td>
<td>06:08PM</td>
<td>1572</td>
<td>Invitation: test meeting 2 (Nov 3 06</td>
</tr>
<tr>
<td>user1 ibm</td>
<td>11/03/2003</td>
<td>06:06PM</td>
<td>2044</td>
<td>testing meeting</td>
</tr>
<tr>
<td>one test</td>
<td>11/03/2003</td>
<td>06:07PM</td>
<td>1962</td>
<td>Invitation: etst (Nov 3 06:30 PM ES</td>
</tr>
<tr>
<td>one test</td>
<td>11/03/2003</td>
<td>04:55PM</td>
<td>1189</td>
<td>test</td>
</tr>
</tbody>
</table>
For opened documents, there are areas under the Subject field for the Follow-up flag and the Forward/Reply indicator, the lines are stacked, with the Follow-up line appearing first.

iSeries

System SSL support, to enable use of hardware cryptography cards
System SSL support can now be enabled through the GSKit APIs. This allows hardware cryptography cards to be used with Domino's HTTP.

Platforms

Support for Macintosh OS10.3
As of release 6.5.2, the Notes Client is supported on Macintosh OS10.3.

Support for Red Hat Enterprise Linux 3.0, SUSE LINUX Enterprise Server 8.0
As of release 6.5.2, Red Hat Enterprise Linux 3.0, and SUSE LINUX Enterprise Server (SLES) 8.0 are supported platforms for the Domino server.

Smart Upgrade

A Shared Map Drive and an Attached Kit can be specified in a Smart Upgrade Kit
In a smart upgrade kit, you can now specify both a network path and attached kit. If the client can access the network path, it will use it. If it can not access the shared drive, it utilizes the attached kit for smart upgrade. This helps users who have machines at work that need to be upgraded and have access to the shared map drive, as well as machines at home where users don't necessarily have the mapped drive available.

Domino Web Access

IM enhancements in Domino Web Access
In Domino Web Access 6.5.2, users will be able to use the Lotus Sametime Connect for browsers 6.5.1 as the Instant Messaging (Chat) client. Using the Sametime Connect contact list manager, users can share contact lists with the Notes client. Domino Web Access Instant Messaging lists can be transferred to the Sametime server, so that existing Domino Web Access lists do not have to be recreated.

Transferring Existing Domino Web Access Instant Messaging Lists
To use existing Domino Web Access Instant Messaging lists, users must transfer their existing Instant Messaging lists in the Domino Web Access Chat client before the Sametime Connect for browsers 6.5.1 client is implemented. To transfer Instant Messaging lists, users need to follow these steps:

1. Login to Domino Web Access.
2. Click Chat.
3. Right mouse click and select "Transfer local contact list to Sametime server."

379
**Setting Sametime Connect 6.5.1 as the Chat client**
The default Chat client in 6.5.2 is the Domino Web Access Chat client, which is the same client used in Domino Web Access 6.5.1. To use the new Sametime Connect for browsers 6.5.1 as the chat client, use the following NOTES.INI setting:

**Syntax:**

```
iNotes_WA_SametimeJavaConnect=value
```

**Description:** Use this setting to use the Sametime Connect for browsers user interface, rather than the Domino Web Access chat user interface.

- **0** = off
- **1** = on

**Applies to:** All Domino Web Access clients

**Default:** 1

**UI equivalent:** None

**New List Management Capability**

In previous releases, the integrated Domino Web Access chat client stored Instant Messaging lists locally. However, in 6.5.2 using Sametime Connect for browsers 6.5.1 client in Domino Web Access, Instant Messaging contact lists are stored on the Sametime server, so that Domino Web Access users and Notes client users can share the same lists. Private Instant Messaging lists that were created and stored in the user's mail file in previous versions of Chat on Domino Web Access, can be synchronized with these public lists, before implementation of the Sametime Connect for browsers client, so that users do not have to recreate their private Instant Messaging lists on the Sametime server.

**Designer**

**SECKFMSwitchToUserID function has been enhanced**
The SECKFMSwitchToUserID function has been enhanced to allow a process running stand-alone on a partitioned server to switch to a different ID file, without impacting currently running processes or Notes.INI settings.

Following is a coding example showing how to use this enhancement:

```c
/* Sample code for this feature available using 6.0.4/6.5.2 SDK and thus */
/* Release 6.0.4/6.5.2 or greater of Notes Client or Domino Server*/

STATUS ChangeIDForThisProcessWithoutEffectingOtherProcesses
{
    STATUS error = NOERROR;
    char NewIdFileNameBuffer[MAXPATH];

    /* Must first call SECAttachToID to make root level process */
    if (error = SECAttachToID())
        goto done;

    strncpy(IDFileNameBuffer, "c:\tmp\newid.id", sizeof(IDFileNameBuffer));

    /* Must pass the fKFM_switchid_DontSetEnvVar so that the switch */
    /* does not make any updates to the notes.ini file that may */
    /* affect any future processes loaded or restarted. */
    /* Note: 1) The ID Filename passed must be a full path. */
    /* 2) If a password is required, it should be passed in */
    /* a buffer as parameter 2 below. */
    error = SECKFMSwitchToIDFile (IDFilenameBuffer, NULL, NULL, 0, fKFM_switchid_DontSetEnvVar, NULL);

    Done:
    return (error);
}
```
Notes/Domo 6.5.3

Administrator Client, Client, Designer, Server, Domino Web Access, Domino Access for Outlook

New features in Notes/Domo 6.5.3

Client

Notes Instant Messaging is now multi-threaded
Notes IM features are now multi-threaded, so users no longer have to wait to initiate chat sessions while Notes is busy with other tasks.

Domino Access for Microsoft Outlook

Managed Calendar support
Domino Access for Microsoft Outlook (DAMO) 6.5.3 will allow users to manage the mail and calendars of multiple users from within their DAMO client. It will also allow users to grant access to their mail and calendars from Outlook preferences.

Domino Web Access

New "Send Tracking Request" feature
"Send Tracking Request" is a function available in the Sent folder of the mail file, and allows a user to obtain a detailed status of any message they have sent (e.g., has it been read yet, has it been deleted, etc.).

Server archiving enhancement
The ability for document-level archiving has been added in 6.5.3.

iSeries

ODBC drivers included
DataDirect ODBC drivers are now included with the Domino for iSeries installation.

Trapleak stack dumping code
This serviceability enhancement is used to debug Leak in Notes Memory.

Server

Mail convert tool can upgrade mail files using language pack-enabled mail templates
A new option in the mail convert command line interface allows administrators to upgrade the mail file to a different language. Internally, process the flag and specify a language pack parameter to the design replace function being called by mail converts.
Smart Upgrade enhancements
These enhancements include:

- **Detaching in background** - The detaching of Smart Upgrade kits now takes place in the background, so users can continue to work while the kits are downloading.

- **Administrator notification** - This feature allows administrators to detect, via a mail-in database with multiple views, whether or not end-users have upgraded and, if not, why they haven't. Smart Upgrade is centrally deployed and this feature closes the circle on Smart Upgrade Administration, reducing administrative costs.

Updated: Importing Certificates from Smartcards
Notes/Domino 6.0.2 introduced the ability to import pre-loaded X.509 certificates from smartcards or other cryptographic tokens and use the corresponding private key on the token for cryptographic operations.

In Notes/Domino 6.0.5, or 6.5.3, it is now possible to perform this import without first smartcard-enabling the ID file. This allows users to use keys that were pre-loaded onto read-only tokens and therefore cannot currently be used to lock the Notes ID file. As long as the PKCS#11 library is correctly configured and a token is present in the reader, then the "Import Internet Certificates from a Smartcard" menu option will be available as described in the "Importing Certificates from Smartcards" release note.

However, there are limitations to this mode of operation in the current release.

- Background processes, such as Just-In-Time encryption, are currently unable to prompt for the PIN, and so will only be able to use keys on the token if the token supports a protected authentication path and will therefore be able to prompt for the PIN itself.

- If an ID file utilizing this feature is subsequently locked with a second smartcard, it may become impossible to use any keys on the initial token on a single-slot system, since removing the smartcard that locks the ID file from the reader to insert the initial token will log the user out of Notes.

- Some older versions of Notes/Domino will be unable to use the key stored on the token.

- In the current release, the `SC_manip_ImportInetCert` opcode for the `SECManipulateSC` C API function can only be used to import certificates from the smartcard that is locking that ID file. This prevents `SECManipulateSC` from being used to import certificates into ID files that are not smartcard-enabled.
Chapter 7 - Domino for i5/OS and OS/400

What's new?

Server
Welcome to Lotus Domino 6.5.4 for i5/OS and OS/400
Welcome to Lotus Domino 6.5.4 for i5/OS and OS/400. This chapter contains details that are specific to the IBM i5/OS and OS/400 platform. Be sure to review the information in the previous chapters of these release notes, as they contain important information about the Domino product, including information pertinent to i5/OS and OS/400 users. The purpose of this chapter is to differentiate issues specific to the i5/OS and OS/400 platform.

Before you install and set up your first Domino server, you must plan server and organizational naming and security. In addition, you must understand your existing network configuration and how Domino will fit into the network. If you are new to the Domino family of products, review the Lotus Domino Administration documentation for more information on planning issues. This documentation is available from the Lotus Developer Domain at the following Web address:


Note You can also access this information after installation from the following location on your server:
/QIBM/ProdData/LOTUS/NOTES/DATA/HELP/help65_admin.nsf

Things you need to know

Installation and setup

Server
Batch Installation
Starting with Domino 6.0.4 and Domino 6.5.2, the ‘Batch type’ installation support that LODRUN has (using the ‘program’ files under OS400/INTLENG/BATCH) is no longer supported because installation requires the second CD to proceed. There's no way to preserve this feature, so the entire BATCH directory and subdirectories were removed.

Server
Default setting changed for Administrator Internet passwords
When creating new Domino servers using the CFGDOMSVR command, the keyword ADM includes the ability to set the administrator’s Internet password. In previous releases, the default was *NONE. The default is now *ADMIN, which sets the administrator's Internet password to be the same as the Notes administrator's password.

One of the benefits of this change is that the Internet password is set when you set up a server using the remote GUI Domino setup wizard. Since the Domino setup wizard does not allow a user to specify an Internet password, in previous releases, the administrator has always had to update the password via the Domino Directory.

This change also makes Domino for i5/OS and OS/400 consistent with the setup programs for other Domino platforms.
Server

New options in CFGDOMSVR command

Two new options have been added to the AUTOSTART parameter of the CFGDOMSVR command. The new options, *JSC and *ALL, are not available when using the Domino Server Setup Wizard. These two options allow you to start the Java Server Controller (*JSC) or start the Domino server and the JSC (*ALL) after the server setup is complete. Note The setup wizard still supports the options *YES and *NO.

Server

Removing beta or pre-release versions

Before installing the Domino 6 software, you must remove any beta or pre-release versions. To remove the beta or pre-release version, make sure all the Domino servers are stopped and no users are running any Domino subcommands (such as WRKDOMSVR), and enter the following command appropriate for your situation:

To remove the beta or pre-release version for 6.0.x, enter: `DLTLICPGM LICPGM(5733LD6)`

To remove the beta or pre-release version for 6.5.x, enter: `DLTLICPGM LICPGM(5733L65)`

Server

Setup Wizard only configures Primary release server

If you have a system with more than one multi-version capable release of Domino installed, such as 6.0.3 and 6.5, the Domino Server Setup Wizard will only configure a server using the Primary release. For example, on a system with 6.0.3 and 6.5 installed, the wizard will only configure a 6.5 server. If you want to configure a server for any installed release other than the Primary release, you must follow these steps:

1. Configure your server using the setup wizard. On the "Please review and confirm your chosen server setup options" display, click View Command.
2. Copy the command text and paste on any i5/OS or OS/400 command line.

3. Change the location of the desired command by replacing "QNOTES" with the name of the appropriate library at the beginning of the command. For example, to configure a 6.0.3 server, the command should look similar to the following graphic.

```
Command Entry DOMSVR3

Previous commands and messages:

(No previous commands or messages)
```

4. Press Enter to run the command.

Server

**Using silent mode with domwzd.exe**

When setting up a server using domwzd.exe, silent playback mode cannot be done using the "silent" parameter. Instead, the user must use "s." For example:

```
domwzd.exe -s c:\myprofile.pds <passwd.txt> -os400 systemname username passwd
```

**Note** The < > indicates an optional parameter. A more complete description of the silent parameter usage can be found in the Domino 6 Administration documentation. This documentation is available from the Lotus Developer Domain at the following Web address:

http://www.ibm.com/lotus/ldd/doc

Platforms and requirements

Server

**Domino 6 plug-in for HTTP Server (powered by Apache) and V5R1**

As of Domino 6.0.1, the Domino 6 plug-in for HTTP Server (powered by Apache) is supported with OS/400 V5R1. Please check the following Web site for details:

Server

**Domino for i5/OS and OS/400 server requirements**

Domino for i5/OS and OS/400 requires the following hardware and software.

**Hardware**

A server from the IBM iSeries family based on PowerPC (RISC) technology.

- Although a Domino server can run on any PowerPC model, server models from the iSeries family are optimized for client/server applications such as Domino.
- Minimum 288MB memory, 512MB recommended.
- Minimum 1.6GB free disk space, 2GB recommended.

**Note** Use these values as general guidelines for minimum memory and disk space. The requirements for your environment may be different. For more information about sizing a server for Domino, use the IBM Workload Estimator for iSeries. The Estimator is available at the following Web site:

http://www.ibm.com/eserver/iseries/support/estimator

**i5/OS and OS/400 software**

- IBM Operating System/400® (OS/400®) V5R1 or V5R2, or i5/OS™ V5R3, with the latest PTFs applied. For more information on the latest PTFs, see http://www.ibm.com/eserver/iseries/domino/support or http://www.ibm.com/eserver/iseries/service.
- OS/400 - Host servers, 5722SS1 option 12
- TCP/IP Connectivity Utilities for iSeries, 5722TC1
- IBM Developer Kit for Java, 5722JV1 plus the 1.3 JDK option for 5722JV1, which is option 5
- OS/400 - QShell Interpreter, 5722SS1 option 30

**Domino software**

- Lotus Domino 6 for i5/OS and OS/400 software. For the 6.0.x releases, the product number is 5733LD6. For the 6.5.x releases, the product number is 5733L65.

- Beginning with 6.0.3 and 6.5.0, you must install the *BASE option, and the option that defines the release.

For the 6.0.x releases, the following table lists the option numbering:

<table>
<thead>
<tr>
<th>Release</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0.3</td>
<td>13</td>
</tr>
<tr>
<td>6.0.4</td>
<td>14</td>
</tr>
</tbody>
</table>

For the 6.5.x releases, the following table lists the option numbering:

<table>
<thead>
<tr>
<th>Release</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.5.0</td>
<td>10</td>
</tr>
<tr>
<td>6.5.1</td>
<td>11</td>
</tr>
<tr>
<td>6.5.2</td>
<td>12</td>
</tr>
<tr>
<td>6.5.3</td>
<td>13</td>
</tr>
</tbody>
</table>

In addition to the above options, you can install option 1, which contains the C API related files. If you want to run any application that uses the new C API interfaces, you must install this software.

**Note** The C API option is not multi-version capable. Only one instance of this option can be installed on an i5/OS or OS/400 partition at a time. For more information, see "Installing multiple releases of Domino" in Chapter 12 of Installing and Managing Domino 6.5 for iSeries (i400help.nsf or i400help.pdf).

**Optional software**

As your environment grows more complex, you may want to add software that is not necessarily required in order to run Domino for i5/OS and OS/400. You have many options for complementing the Domino software to create a productive environment.

If you will be doing any application development with Domino 6.5, you may want to install the following software:

- OS/400 - System Openness Includes, 5722SS1 option 13
- ILE C Compiler, 5722WDS option 51
If you would like to manage your Domino environment using iSeries Navigator, the graphical user interface for managing servers from the iSeries family, you must install the following additional software:

- IBM Client Access Windows Family Base, 5722XW1 (V5R1) or IBM iSeries Access Base, 5722XW1 (V5R2)
- IBM Client Access Express for Windows, 5722XE1 (V5R1) or IBM iSeries Access for Windows, 5722XE1 (V5R2)

If you will be using IBM HTTP Server (powered by Apache) to forward HTTP traffic to your Domino servers, you must install the following additional software:

- IBM HTTP Server, 5722DG1
- IBM HTTP Server (powered by Apache) plug-in for Domino 6 on iSeries, QZSRVIHSAH

Server
**Domino plug-in no longer requires Notes client**
Beginning with Domino 6.0.3 and 6.5, the Domino plug-in for iSeries Navigator no longer requires the installation of the Notes client.

Server
**Version 5 of Domino plug-in cannot be used with Domino 6 servers**
Version 5 of the Domino plug-in for iSeries Navigator cannot be used to manage or administer Domino 6 servers.

Restrictions

Server
**C API restriction with multiple releases installed**
The C API option of the Domino product (option 1) is not multi-version capable, so installing the C API option for one release completely overwrites the C API for another release. For example, if the C API option for 6.5.0 is installed, then the C API option for 6.0.3 is installed, the 6.0.3 version becomes the only installed version. This is important for users who develop applications that use a specific C API release.

If you need to change the installed release of the C API option, simply install (or reinstall) the option from the release you want, as this option can be installed or reinstalled in any order.

Server
**IPv6 is not supported**
IPv6 is not supported by Domino on i5/OS and OS/400 at this time. It is expected to be supported in a future release of Domino and i5/OS.

Server
**RUNDOMCMD does not set the server data directory for batch jobs**
The Run Domino Command (RUNDOMCMD) command runs an i5/OS or OS/400 CL command in the context of a particular Domino server. It sets up the environment which allows the command to be run whether or not the Domino server is active. The setup includes setting the PATH environment variable for the server, setting the directory for the job to the data directory of the server, and running the resulting job under the QNOTES user profile.

However, if the i5/OS or OS/400 CL command string is to be run in batch, BATCH(*YES) is specified, the RUNDOMCMD command setup does not set the current working directory for the job to the server data directory. Instead, the home directory of the QNOTES user profile is used. This is an i5/OS and OS/400 restriction where batch jobs use the home directory of the user profile they run under as the current working directory.
SNMP Agent is not supported
SNMP Agent capability for Domino is not supported in Domino 6 for i5/OS and OS/400.

V5R3 iSeries Navigator support
If you are running V5R3 iSeries Navigator for i5/OS on your workstation, you must install the Domino plugin from 6.0.3/6.5 or later.

xSP is not supported
xSP capability is not supported in Domino 6 for i5/OS and OS/400.

ClockType now defaulted to 24 hour format
In releases prior to Domino 6, for Unix, Linux, OS/400 and OS/390 platforms, the ClockType is defaulted to a 12 hour format. For Domino 6, the default is changed to a 24-hour format for all platforms. If you desire to retain the format as 12 hour, you can override the default setting by doing one of the following:

- Type "SET CONFIG ClockType=12_HOUR" at the Domino console.
- Specify the notes.ini setting: "ClockType=12_HOUR"

Hardware Cryptography Support
This release note describes how to set up and use hardware cryptography (System SSL) with Domino for i5/OS and OS/400. This SSL can only be used with Domino HTTP at this time.

System Requirements
- 5722-SS1 Option 34, Digital Certificate Manager
- 5722-DG1, IBM HTTP Server for iSeries
- 5722-AC2, Crypto Access Provider 56-bit for AS/400 or 5722-AC3, Crypto Access Provider 128-bit for AS/400

Hardware Setup
In order to use hardware cryptography (via System SSL) for i5/OS and OS/400, you must have the hardware cryptography cards correctly installed and configured. At the writing of this document, Domino for i5/OS and OS/400 supports the 4758 Cryptographic Coprocessor and 2058 Cryptographic Accelerator hardware. The latest Cryptographic Hardware documentation can be found in the IBM eServer iSeries Information Center (http://publib.boulder.ibm.com/html/as400/infocenter.html) under Networking->Networking Security.

A white paper is available with step-by-step instructions on configuring System SSL for Domino HTTP. The white paper is considered an extension of this release note and is highly recommended. This also covers basic setup of the 2058 Cryptographic Accelerator. The white paper is available on the Web at ftp://ftp.software.ibm.com/as400/web/domino/pdf/crypto.pdf.

Further information on configuring the 4758 Cryptographic Coprocessor can be found in the Redbook "iNotes Web Access on the IBM eServer iSeries Server" (http://www.redbooks.ibm.com/redbooks/pdfs/sq246553.pdf). See sections 3.2.4 to 3.2.6.

Create or Obtain a Certificate for Domino

A certificate to be used by SSL is usually purchased from a trusted Certificate Authority (CA). Optionally you can create your own certificate for testing purposes by creating your own local CA on the server. Certificate configuration is done with the HTTP *ADMIN server, using the DCM section. Please refer to the DCM redbook for these procedures.

Assign an Application ID for Domino

Domino for i5/OS and OS/400 uses an 'Application ID' (AID) to access the certificate created using the DCM. Refer to the white paper or redbook for creating a new AID. Domino servers on the same system can use the same AID or their own AID. Use the following for the "Add Application" screen:

Application ID: It is recommend to use DOMINO or the name of your Domino server (ex: MYSERVER). This name will need to be added to Notes.ini in a later step, so write it down.

Application User Profile: Enter QNOTES. You can choose to enable the CA Trust List and authentication options in the same table if needed. This will give Domino access to the SSL keys.

Application Description: Choose this option instead of Message File, and enter your own description, such as "Domino Server MYSERVER."

Leave the Exit Program and Message File/ID sections blank and decide which authentication options are needed.

Domino Setup

Notes.INI Variables

The following are the Notes.INI variables that can be set for using System SSL. The variables that have 'Y' under the REQ? column must be set in order to use System SSL.

<table>
<thead>
<tr>
<th>NOTES.INI VARIABLE NAME</th>
<th>REQ?</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM_SSL_HTTP=1</td>
<td>Y</td>
<td>Tells Domino to use the System SSL API instead of SSLPlus for HTTP</td>
</tr>
<tr>
<td>SYSTEM_SSL_APPLICATION_ID=MYSERVER</td>
<td>Y</td>
<td>The Application ID created in DCM for this Domino server</td>
</tr>
<tr>
<td>SYSTEM_SSL_TIMEOUT=30000</td>
<td>N</td>
<td>The number of seconds until the SSL V3.0 session identifier expires. The range is 0-86400 (1 day) seconds. System SSL will remember SSL V3.0 session identifiers for up to this amount of time. By remembering these SSL V3.0 session identifiers, the amount of data exchanged during the SSL handshake can be reduced for peer applications where a complete initial handshake has already been performed. The default is 30000 seconds (8 hours)</td>
</tr>
</tbody>
</table>

Domino SSL Setup

Now you can set up SSL on the Domino server just as you normally would following the instructions in the Domino Help database. There is nothing specific to System SSL that you need to do. Once you set up SSL on Domino, you should have a Domino key file and stash file.

Note The Domino key and stash SSL files, used by protocols other than HTTP, are different from the i5/OS or OS/400 system key files used in the example above. Whenever Domino asks for a key file or stash file name, always provide the Domino key or stash file names.

Additional Notes

- The System SSL API does not support the thread pool model. System SSL can only be enabled for HTTP. Therefore, all other Internet protocols (such as POP3, IMAP) will use the software SSL library, SSLPlus, as they always have.
- The System SSL API has limited CRL support. Domino has its own CRL storage process, and since System SSL only supports Tivoli PKI Trust Authority, CRLs cannot be used at this time.
- System SSL and SSLPlus only support SSL V3. SSLPlus (the current SSL package) only supports V2 on z/OS for Domino 6. Likewise, System SSL only uses the SSL V3 protocol.
Server

**Monitoring messages on server restarts**

Whenever a Notes Server Diagnostic (NSD) file is generated, the LNT099C message is issued to the QSYSOPR message queue. The NSD file is generated when a Domino server ends unexpectedly.

Administrators can use iSeries Navigator’s Management Central function to monitor for this message and be notified whenever a server ends abnormally.

The following is an example of the LNT099C message you may receive:

**Message** . . . . . : Error occurred on Domino server <server_name>.

**Cause** . . . . . : The Domino server job <job/user/number> has encountered an unexpected error condition.

**Recovery** . . . : The Domino server will attempt to restart. Check the status of the server jobs and restart the server if necessary.

**Technical description** . . . . . . . . : A fault condition has been detected on Domino server <server name>. Examine the Domino server’s data directory for Notes Server Diagnostic (NSD) files which may aid in problem determination and recovery.

Server

**RUNDOMCMD support for multi-threaded jobs**

Beginning with Domino 6.0.2, a new keyword has been added to the Run Domino Command (RUNDOMCMD) command that allows support of multi-threaded jobs. The new keyword is ALWMLTTHD (Allow Multiple Threads). The default setting is *JOBD, which means the value of the job description (JOBD) is used to determine if multiple threads are allowed. The JOBD parameter by itself has a default of *USRPRF, which points to the job description of the user profile that runs the SBMJOB. The other valid choices for the ALWMLTTHD keyword are *YES and *NO.

Server

**SBMDOMCMD now allows *ALL option**

The SERVER keyword on the Submit Domino Command (SBMDOMCMD) command now allows an *ALL option. This allows an administrator to issue a single Domino command to multiple Domino servers at one time. For example, if you need to end ADMINP on all of your servers, you could use the SBMDOMCMD *ALL option to issue the ‘Tell ADMINP Quit’ command to all of the servers.

Application development

Server

**Accessing Domino data from WAS applications**

If you are accessing Domino data from your WAS Applications and need NCSO.JAR in your class path, you will have to point to it in a different place after upgrading Domino to version 6.5 or 6.0.3 or later versions. The previous Domino releases had NCSO.JAR in /QIBM/ProdData/Lotus/Notes/shared, which is being removed in the 6.5 and 6.0.3 releases of Domino.

Beginning with Domino versions 6.0.3 and 6.5, you will need to update your class path to add:

/QIBM/ProdData/Lotus/Notes/DATA/Domino/Java or /<data_directory>/Domino/Java

where <data_directory> is the data directory of a Domino Server instance.
Server

**Accessing Domino from WebSphere Applications**

There are two Java interfaces in Domino 6 from which to access Domino databases from WebSphere HTTP Applications:

- A local interface
- A remote interface that uses CORBA/IIOP through the DIIOP task in Domino

**Using the local interface**

To use the local interface, import lotus.domino.* classes into your java code and compile against Notes.jar (which ships to /qibm/proddata/lotus/notes/notes.jar). Every thread that uses the Domino classes must either be inherited from the NotesThread class or call NotesThread.sinitThread() to initialize notes for that thread. If you use NotesThread.sinitThread(), make sure and clean up properly by using NotesThread.stermThread() in the finally clause of your try, catch construct. When running with the local classes, the java code to access the Domino databases will run locally, that is, directly in your process/job. It will then load and run out of the QNOTES/LIBLSXBE service program to access the Domino back-end classes. From there, the java code goes into the Domino APIs in the QNOTES/LIBNOTES service program. This is essentially the same as running as a Java stand-alone application using the notes APIs, as opposed to a Java agent running inside the Domino environment.

To access Domino locally from a WebSphere application, the WebSphere Application Server environment needs some modifications. These modifications allow WAS to access Domino resources, and allows the Domino QNOTES user profile to access the WAS resources. The WebSphere Application Server must run under the QNOTES user profile. Many problems will occur if it does not, as QNOTES will not own, or have access to, the resources the application obtains. This means the Domino server will not be able to access those resources, which include shared memory and databases created by the application.

To enable a WebSphere Application Server to access Domino locally, do the following:

1. Enter the following command at any i5/OS or OS/400 command line. This provides Qnotes with authority to the WAS directory files.
   
   CHGUSRPRF USRPRF(QNOTES) GRPPRF(QEJBSVR)

2. To run under Qnotes User Profile, in AdminClient, for the AppServer, Advanced tab, specify QNOTES in the USERID field. Without this, all files created and all shared memory will be owned by QEJBSVR. This will cause problems with the Domino server.

3. In the AdminClient, for the AppServer's JVM setting, ClassPath settings, add "/qibm/proddata/lotus/notes/notes.jar" and any other jar file that your app will need. This allows WebSphere to find the Domino Java classes.

4. In the AdminClient, for the AppServer's JVM setting, System Properties, set
   
   java.library.path=/QSYS.LIB/QNOTES.LIB. This allows the JVM to find & load LIBLSXBE service program.

5. In the AdminClient, for the AppServer's Environment (General Tab, environment button), set
   
   PATH=/serversDataDirectory:/qibm/proddata/lotus/notes.** This allows the Domino APIs to find the correct Domino server, and allows it to find the Domino programs to run.

6. Using iSeries Navigator, you must grant Qnotes user profile authority to run the AppServers. Otherwise, WAS (running under Qnotes user profile now) will not be able to start the AppServer:
   
   - Open iSeries Navigator.
   - Right-click the iSeries icon that contains the Application Server, and select Application Administration.
   - Click the Host Applications tab.
   - Expand QIBM_EJB_PRODUCT.
   - Expand QIBM_EJB_GROUP_OF_FUNCS.
   - Select QIBM_EJB_SERVER_FUNC, and click Customize.
   - In the Users and groups list box, select the user profile under which you want the application server to run.
   - Click the Add -> button to add the user profile to the Usage allowed list and then click OK.
   - On the Application Administration panel, click OK.

**Note** When accessing Domino via the local APIs, you are running as the server.
Using the remote CORBA/IIOP interface

Another method of accessing the Domino data is via the remote CORBA/IIOP interface. The application code you write is almost the same as the local interface except you must:

- Import lotus.domino.*
- Compile against and run with NCSO.jar (which ships to /qibm/proddata/lotus/notes/data/domino/java/ncso.jar **)
- Have your Domino server setup to handle IIOP. This means you must enable the DIIOP task in the ServerTasks statement in the Notes.ini (or via CFGDOMSVR/CHGDOMSVR or iSeries Navigator).

There are settings in the Name and Address book in Domino similar to the Agent Manager security settings that allow you to specify who can run via the DIIOP task. For a secure solution, you need to have a user profile with an internet password set up to run programs via DIIOP.

The application will get a session a little differently when using IIOP. It will send the IP address and port of the HTTP server of the Domino server that it wants to talk to and a user and internet password to use. For more information on how to get a Session object for use in an IIOP environment, see the NotesFactory class information in the Domino Designer help.

The setup on the WebSphere side for accessing Domino via CORBA/IIOP is much simpler. You do not need to run under QNOTES. You only need NCSO.jar and the classes for your application in your CLASSPATH.

Creating a Direct Executable Java program for NCSO.jar can dramatically improve the performance of using this on the iSeries. To do so, you should issue the CRTJVAPGM CLSF('/qibm/proddata/lotus/notes/data/domino/java/ncso.jar') OPTIMIZE(40) command. Since this can take a long time to run and considerable CPU resources, you may want to submit this command (SBMJOB) to have it run in batch mode. A Java program is already created for the Notes.jar file.

Another option to improve performance is to enable the JIT (Just In Time) compiler support for NCSO.JAR. (now the details).

Note: You access the Domino APIs as a real user (the one that you specified when you established your session).

Advantages of using the remote CORBA/IIOP interface

- Domino server can be on any system and it can be moved in the future
- Can communicate with multiple Domino servers from one application
- Application can move to any HTTP server
- Domino security used

Advantages of using the local classes

- Faster than going over TCP/IP to the server
- Server does not need to be running
- Do not need IIOP turned on or configured

** In multi-version capable releases such as 6.0.3 and 6.5, the path /qibm/proddata/lotus/notes will still exist, but for all the files in this directory and all subdirectories, there will be symbolic links which point to the corresponding files of the Primary release on the server. For more information on multi-version capable releases, see Chapter 12 of Installing and Managing Domino 6.5 for iSeries (/400help.nsf or i400help.pdf).

Server

C++ API and Toolkit support for Domino 6

The Lotus C++ API and Toolkit for Notes/Domino 6 for i5/OS and OS/400 is now available and supports development of C++ programs for Domino release 5.0.6 and later, including 6.0 releases. This toolkit requires that you use the OS/400 Native C++ compiler - ILE C++ Compiler - to compile your C++ application programs.
The toolkit can be obtained from the following URLs:

- Click **Toolkits and Drivers page**
- Click **Lotus C++ API Toolkit**


- Click **Developers** under "Related Links"
- Click **Lotus** under "Product domains"
- Click **Downloads** under "Lotus.com"
- Click **Toolkits and Drivers page** under "Toolkits and Drivers"
- Scroll through the list of available downloads and click the **C++ API Toolkit**

**Server**

**Java JVM property settings on a per Domino Server basis**

A new property in the NOTES.INI file can now be used to specify JVM Properties for the Domino server.

This new property, JavaUserOptionsFile, specifies a text file which contains the properties to add to the JVM. This text file can be either ASCII or EBCDIC and have up to 256 properties specified. Each entry must be in the form of "property=value" and be on a separate line.

Any property that can be set with the -D Java option is valid. Domino already provides a way of adjusting the stack sizes, etc.

If Domino specifies a property, and that property is also specified in the JavaUserOptionsFile, the JavaUserOptionsFile value is used. For example, if Domino specifies the property "Foo=1", and the JavaUserOptionsFile specifies "Foo=2", the JVM is created with "Foo=2".

Note There are currently 2 exceptions to this: java.class.path and java.library.path. Domino will link the values specified in the JavaUserOptionsFile to what Domino is already setting for these two properties.

Multiple Domino servers can share the same options file.

One use of this feature is easier enablement of Java applications that have native methods. In order for the System.load() or System.loadLibrary() to find the service program, that service program must be in the current path. In this case, the administrator would have to know what directories the Domino for iSeries code uses. With this change, the administrator can set the JavaUserOptionsFile in the NOTES.INI and in the referenced file specify "java.library.path=/QSYS.LIB/PGMAPP.LIB" where PGMAPP.LIB is the library containing the service program loaded by the java application.

For example:

In the server’s NOTES.INI the following line is added: JavaUserOptionsFile=/PGMApp/JvmOptions.properties

The file "/PGMApp/JvmOptions.properties" could have the following:

```
java.library.path=/QSYS.LIB/PGMAPP.LIB
java.class.path=/PGMApp/bin/PGMApp.jar
PGMApp.debug=0
PGMApp.serverName=Server1
```

**Server**

**Lotus C API Toolkit for Notes/Domino for i5/OS and OS/400**

IBM Lotus C API Toolkit for Notes/Domino for i5/OS and OS/400 is now available on the IBM download website. The Lotus C API Toolkit for Notes/Domino for i5/OS and OS/400 supports development of C application programs for Domino 6.5 on i5/OS and OS/400 platforms using ILE C compiler.

The toolkit can be downloaded at the following URL:

- Click "Toolkits and Drivers page"
- Click "Lotus C API toolkit"
This toolkit provides the C API library QNOTESAPI, which contains the C API header file members, and the C application program entry modules Notes0 and Notesai0, which support Notes C applications. It also provides the symbolic links to the C API header file members to support compilation of C applications in IFS.

This toolkit includes 56 samples for i5/OS and OS/400 to illustrate how to use the C API. Also included in the toolkit is the Lotus C API Notes/Domino 6.5 User’s Guide and the Lotus C API Notes/Domino 6.5 Reference.

**New Domino APIs**

There are several new APIs for Domino as of release 6.0.1. Detailed information about these APIs can be found in the document Domino 6 for iSeries Application Development Guide. This document is available from the Lotus Developer Domain at the following address:

http://www.ibm.com/lotus/ldd/doc

The following two Web sites also have useful information about these and other APIs available for Domino for iSeries:

http://www.ibm.com/eserver/iseries/domino/domdevtools.htm

**Troubleshooting**

**Installation issues**

**Domino and OS/400 signatures**

When installing Domino for i5/OS and OS/400, the installation may fail with the following error message (check the job log for the job that issued the RSTLICPGM command):

```
Object has a signature that is no longer valid.
```

This is likely the result of installing Domino to a system that has the more stringent levels of object signature validation enabled for restore operations.

With OS/400 V5R1 and later releases, the policy to be used for object signature verification during a restore operation (for example, product installation) is controlled by the QVFYOBJRST system value which has a default value of 3.

When installing Domino for i5/OS and OS/400 on OS/400 V5R1 or later, the system value QVFYOBJRST must be set to a value of 3 or lower prior to installing Domino.

After installation of Domino for i5/OS and OS/400 has completed, the system value may be changed back to a more restrictive setting.

An example of changing the system value QVFYOBJRST is provided below:

```
CHGSYSVAL SYSVAL(QVFYOBJRST) VALUE('1')
```

**Install or update may fail**

Installing or updating a Domino server may fail if a WRKDOMSVR command is being run in another session. If this occurs, an error message in the job log indicates that the QGNNINDS object cannot be allocated. Make sure no other sessions are running the WRKDOMSVR command, and retry the installation or update.
Removing primary release using DLTLICPGM may fail

When removing the primary release of Domino, do not issue the DLTLICPGM command while in a WRKDOMSVR session. The WRKDOMSVR command places the primary release's library in the user's library list. If issued from the WRKDOMSVR session, the DLTLICPGM command fails because the primary release's library is still in the user's library list. To successfully remove a primary release, make sure no users are in a WRKDOMSVR session before issuing the DLTLICPGM command.

International issues

Identification of Language Pack installs during Domino install

When installing or upgrading the Domino product onto a server where Language Packs have already been installed, the process replaces the translated templates with English templates. If a Language Pack already exists on your server when you issue the LODRUN command, the following message appears in the job log:

ONE OR MORE NON-ENGLISH LANGUAGE VERSIONS OF DOMINO FILES WERE PREVIOUSLY ADDED TO THIS SYSTEM USING THE LOTUS DOMINO LANGUAGE PACK INSTALLER. INSTALLATION OF THIS ENGLISH VERSION OF DOMINO WILL OVERRITE THE NON-ENGLISH VERSIONS OF THE DOMINO FILES. IF THE NON-ENGLISH LANGUAGE VERSIONS ARE REQUIRED, THE LOTUS DOMINO LANGUAGE PACK INSTALLER NEEDS TO BE USED TO REAPPLY THEM AFTER THIS INSTALLATION COMPLETES.

Once the LODRUN command has completed, you will need to reapply the Language Pack for your preferred language for the release of Domino you installed or upgraded.

Note: If you have a Domino server with a language pack installed and your environment requires this language support, do not upgrade the Domino product until the updated language packs for the latest Domino release are available.

SPR fixes

Error in DLTLICPGM when upgrading from early Domino 6 release

When updating your server code from a non-multiversion capable release to a multi-version capable release, you may have experienced an installation error if you selected to delete the previous version. This problem was fixed as of 6.5.1.

For more information, see SPR# DREE5S4LBH and SPR# JSUA5RPKXX.
Documentation updates

Installing and managing Domino for iSeries

Server

Changes in directory structure due to multi-versioning
Changes in the directory structure to enable multi-version capable releases, caused information in the document "Installing and Managing Domino 6.5 for iSeries" to be inaccurate.

The following information should replace the information in the "Language dictionary files" section of Chapter 21:

Language dictionary files

The language dictionary files are used for spell-checking within Notes and Domino. The English version of Domino for iSeries installs the following language dictionary files.

- canadien.dic
- uk.dic
- us.dic
- wpdic.dic

Domino for i5/OS and OS/400 installs these files in a product directory, which in 6.5.1 is /QIBM/ProdData/Lotus/DOMINO651/DATA/<dict-name>.dic and are copied into each server's data directory during update or the creation of a Domino server.

Additional dictionary files are contained in the diction.exe or dictionaries.exe file which may be obtained from the \APPS\DICTIONARIES directory of the Notes or Notes/Domino Designer CD-ROM.

If you want to use one of the dictionary files listed in the table below and find that it has not been installed automatically by Domino, decompress the contents of the self-extracting file to a temporary directory on your PC's hard drive. End your Domino server(s) and then transfer the dictionary file(s) using FTP (or another file transfer method) to your Domino server's data directory. The owner of the file should be changed to QNOTES as shown:

CHGOWN OBJ('<server-data-directory-path>/<dict-name>.dic') NEWOWN(QNOTES)

The dictionary file must be added to the data directory of each server that should have access to the dictionary. Then restart your Domino server(s).

As always, if you add dictionary files to customize your Domino installation, you should save (back up) your Domino server(s) after the dictionary file(s) have been added.

If spell check for International languages does not work, check for the following conditions:

- Ensure you have the appropriate language dictionaries in each server's data directory.
- Check your International User Preferences (choose File->Preferences->User Preferences->International) to ensure you are using the correct international spelling dictionary.

<table>
<thead>
<tr>
<th>Language</th>
<th>Dictionary File Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Afrikaans</td>
<td>AFRIKAAN.DIC</td>
</tr>
<tr>
<td>Arabic</td>
<td>ARABIC.DIC</td>
</tr>
<tr>
<td>Catalan</td>
<td>CATALA.DIC</td>
</tr>
<tr>
<td>Czech</td>
<td>CZECH.DIC</td>
</tr>
<tr>
<td>Danish</td>
<td>DANSK.DIC</td>
</tr>
<tr>
<td>Dutch</td>
<td>NEDERLND.DIC</td>
</tr>
<tr>
<td>Dutch Belgian</td>
<td>NEDPLUS.DIC</td>
</tr>
<tr>
<td>Language</td>
<td>Dictionary File Name</td>
</tr>
<tr>
<td>------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>English (Australia)</td>
<td>AUS.DIC</td>
</tr>
<tr>
<td>English (Canada)</td>
<td>US.DIC</td>
</tr>
<tr>
<td>English (Caribbean)</td>
<td></td>
</tr>
<tr>
<td>English (Jamaica)</td>
<td></td>
</tr>
<tr>
<td>English (New Zealand)</td>
<td></td>
</tr>
<tr>
<td>English (United States)</td>
<td></td>
</tr>
<tr>
<td>English (Ireland)</td>
<td>UK.DIC</td>
</tr>
<tr>
<td>English (South Africa)</td>
<td>SUOMI.DIC</td>
</tr>
<tr>
<td>English (United Kingdom)</td>
<td>CANADIAN.DIC</td>
</tr>
<tr>
<td>Finnish</td>
<td></td>
</tr>
<tr>
<td>French (Belgium)</td>
<td>FRANCAIS.DIC</td>
</tr>
<tr>
<td>French (Luxembourg)</td>
<td></td>
</tr>
<tr>
<td>French (Standard)</td>
<td></td>
</tr>
<tr>
<td>French (Switzerland)</td>
<td></td>
</tr>
<tr>
<td>French (Canada)</td>
<td>CANADIEN.DIC</td>
</tr>
<tr>
<td>German (Austria)</td>
<td>DEUTSCH.DIC</td>
</tr>
<tr>
<td>German (Liechtenstein)</td>
<td></td>
</tr>
<tr>
<td>German (Luxembourg)</td>
<td></td>
</tr>
<tr>
<td>German (Standard)</td>
<td></td>
</tr>
<tr>
<td>German (Reform)</td>
<td>DEUTSCH2.DIC</td>
</tr>
<tr>
<td>German (Switzerland)</td>
<td>DSCHWEIZ.DIC</td>
</tr>
<tr>
<td>Hebrew</td>
<td>HEBREW.DIC</td>
</tr>
<tr>
<td>Hungarian</td>
<td>MAGYAR.DIC</td>
</tr>
<tr>
<td>Icelandic</td>
<td>ISLENSK.DIC</td>
</tr>
<tr>
<td>Italian (Standard)</td>
<td>ITALIANO.DIC</td>
</tr>
<tr>
<td>Italian (Switzerland)</td>
<td></td>
</tr>
<tr>
<td>Medical (American)</td>
<td>US.MED</td>
</tr>
<tr>
<td>Medical (British)</td>
<td></td>
</tr>
<tr>
<td>Medical (British IZE)</td>
<td></td>
</tr>
<tr>
<td>Norwegian (Bokmal)</td>
<td>NORBOK.DIC</td>
</tr>
<tr>
<td>Norwegian (Nynorsk)</td>
<td>NORNYN.DIC</td>
</tr>
<tr>
<td>Polish</td>
<td>POLSKA.DIC</td>
</tr>
</tbody>
</table>
Language | Dictionary File Name
--- | ---
Portuguese (Brazil) | BRASIL.DIC
Portuguese (Standard) | PORTUGAL.DIC
Spanish | ESPANA.DIC
Spanish (Argentina) | 
Spanish (Bolivia) | 
Spanish (Chile) | 
Spanish (Colombia) | 
Spanish (Costa Rica) | 
Spanish (Dominican Republic) | 
Spanish (Equador) | 
Spanish (Guatemala) | 
Spanish (Mexico) | 
Spanish (Modern Sort) | 
Spanish (Panama) | 
Spanish (Paraguay) | 
Spanish (Peru) | 
Spanish (Uruguay) | 
Spanish (Venezuela) | 
Swedish | SVENSK.DIC
Turkish | TURKIYE.DIC

Server

**Update of installation instructions for two CDs**
The instructions on installing Domino should be changed to reflect the fact that installation requires two CDs. The following instructions should be used in place of the corresponding sections of the topic "How do I install the Domino software" in Chapter 3 of the documents *Installing and Managing Domino 6 for iSeries* and *Installing and Managing Domino 6.5 for iSeries*.

**Using iSeries Navigator to launch the Domino Server Installation Wizard**
To install and configure a Domino server using iSeries Navigator, follow these steps:

1. Open iSeries Navigator.
2. Open the server where you will install and configure a Domino server.
3. Click **Network**.
4. Right-click **Servers** and select **Install and Configure Domino**. Follow the directions on each panel of the wizard. You will be prompted to insert CD-ROM 2 during the installation. For help with a particular setting, click **Help**.

**Using EZ Setup to launch the Domino Server Installation Wizard**
The EZ Setup CD-ROM was shipped with your server. You can use EZ Setup to configure basic system values, security settings, and aspects of your network environment. During the EZ Setup process, you can indicate that Domino will be used on your server. Indicating this will launch the Domino Server Installation Wizard automatically.
Using InstallShield from the product CD-ROM
You can launch the InstallShield wizard by running the setup.exe file from the Domino product CD-ROM set using a workstation with Windows installed. The setup.exe file is in the root directory of CD-ROM 1. For example, the file will be found at the following location:

d:\setup.exe

where d is the letter assigned to your CD-ROM drive. You will be prompted to insert CD-ROM 2 during the installation. Once you complete the installation using InstallShield, you are given the option to launch the Domino Server Setup Wizard.

Using the LODRUN command through the OS/400 command interface
To install the Domino software using the LODRUN command, follow these steps:

1. Insert CD-ROM 1 of the Domino for i5/OS and OS/400 CD-ROM set into the server's optical drive.
2. On any i5/OS or OS/400 command line, type the following command and press Enter:

   lodrun dev(*opt) dir('/os400')

3. Select each product option that you want to install by typing a 1 beside the product option. Selecting the option that defines the release you want to install will automatically install the *BASE option if it is not already installed. Select Option 1 if you want to take advantage of the C API functions.
4. Press Enter to install the product options that you selected.
6. Press Enter to continue the installation.

Lotus Domino Administrator Help

Server
SNA Connection document
Lotus Notes Connect for SNA does not work with Domino for i5/OS and OS/400 6.0.x or 6.5.x. The following section in the Domino 6 Administration Help should be ignored:

SNA Connection document
For information on creating an SNA Connection document, see the book Notes Connect for SNA Administrator's Guide. Lotus Notes Connect for SNA is a port driver which enables you to communicate over existing SNA networks.

Server
Correction in Lotus Connectors and Connectivity Guide
The following information in Chapter 7 “Lotus Connector for ODBC” in section "Understanding and Using the ODBC Drivers" of the Lotus Connectors and Connectivity Guide (lccon.nsf) is incorrect:

The Lotus Connector for ODBC is only supported on iSeries machines running V5R2 or later. The ODBC drivers are installed during the Domino installation process if the target machine is running V5R2. If you originally installed Domino on a V5R1 system and later upgraded to V5R2, please contact Lotus support for instructions on how to restore the ODBC drivers. It should read:

The Lotus Connector for ODBC is only supported on systems running OS/400 V5R2 or later. The ODBC connector is installed during the Domino installation process if the target machine is running V5R2. If you originally installed Domino on a V5R1 system and later upgraded to V5R2, please contact Lotus support for instructions on how to restore the ODBC connector. In addition, you will need to download the ODBC drivers for your version of Domino from the Enterprise Integration home page at the following Web address:

http://www.lotus.com/ei

Note PTF SI07963 for product 5722SS1, can only be delivered on media because of size concerns. PTF MF30670 for product 5722999 is a DELAYED PTF.

This is necessary in order to use ODBC connector with DECS and LEI.
History of changes

Release 6.0 - initial release

Server

What’s new in Domino 6 for iSeries?
This release note describes aspects that are new specifically for Domino 6 for iSeries. For more information on new features not specific to the iSeries server, see the information earlier in this Release Notes document.

- Domino 6 for iSeries has a new licensed product ID (5733LD6) and is only available through the IBM Passport Advantage process. For more information on Passport Advantage, see the following Web site:
  http://www.ibm.com/lotus/passport

- For Domino 6, the published release notes are not platform independent. Lotus now produces a single set of release notes with separate chapters for platform independent information.

- Domino 6 for iSeries includes a new installation option based on InstallShield (ISMP 4.0). Using this Java based GUI interface you have the option of installing the product from the iSeries server or from a remote workstation.

- Support for Domino and OS/400 mail integration using Mail Server Framework/AnyMail integration has been removed. Your server must now be set up to use separate SMTP servers for both Domino and OS/400, and each server must be bound to a unique IP address.

- Support for Domino running on the original OS/400 HTTP server has been removed. This has been replaced with improved support for the HTTP server powered by Apache. Depending on your current environment, you may need a plug-in to use the HTTP server powered by Apache. For detailed information, see the following Web site:

- Support for Directory Synchronization between OS/400 System Distribution Directory and Domino has been removed.

- Although the CL commands, menus, panels and messages are not translated for Domino 6, the iSeries Navigator plug-in interface is translated into Brazilian Portuguese, French, Italian, German, Japanese, Korean, Simplified Chinese, Traditional Chinese and Spanish. The translated interfaces are installed as part of the Language Pack installation process.

  Note Starting with OS/400 V5R2, Operations Navigator, the graphical user interface for managing your iSeries server, was renamed to iSeries Navigator. This document refers to this product with its new name. If you are working with V5R1, you will be using Operations Navigator, and minor differences may appear between the documented procedures and what you experience on your screen.

- Locales are no longer shipped with Domino. Instead, Domino uses the OS/400 locales included with your iSeries server.

C API Toolkit support for Domino 6
The Lotus C API Toolkit for Notes/Domino 6 for iSeries is now available and supports development of C application programs for Domino 6 on iSeries platforms using ILE C compiler.

The toolkit can be obtained at the following URLs:

- Click "Toolkits and Drivers page"
- Click "Lotus C API toolkit"
  ● Click "Developers" under "Related Links"
  ● Click "Lotus" under "Product domains"
  ● Click "Downloads" under "Lotus.com"
  ● Select "Toolkits and Drivers page" under "Toolkits and Drivers".
  ● Scroll through the list of available downloads and select the C++ API Toolkit

Additional information about using these APIs can be found in the document Domino 6 for iSeries Application Development Guide. This document is available from the Lotus Developer Domain at the following address:
http://www.ibm.com/lotus/ldd/doc

Server
Monitoring platform statistics
Domino 6 includes platform statistics that track the performance metrics of the operating system and store the results in the Domino server. A new platform statistic has been added that allows you to view the Job Number and Process ID of Domino jobs without having to switch to a separate performance monitoring application. To view platform statistics directly from the Domino console, type the following Domino subcommand and press Enter:

```
sh stat platform
```

Look through the results to find the platform statistic of interest. For example, the following results reveal the Job Number, CPU utilization and Process ID of the TEST job on the DOMINO1 server:

```
Platform.Process.DOMINO1.TEST.JobNumber = 362901
Platform.Process.DOMINO1.TEST.PctCpuUtil = 3.1
Platform.Process.DOMINO1.TEST.ProcessID = 87
```

Note The Process ID shown as 87 in the example above is used for other Domino functions and can be ignored by iSeries users.

Release 6.5.1

Server
Domino 6.5.1 is shipped on 2 CDs
If you are installing Domino 6.5.1 from CD-ROM, be aware that the product is now shipped on 2 CDs. This does not change any installation instructions or procedures. All of the product code is still on the first CD. The second CD contains the following documentation files:

- i400help.nsf (Installing and Managing Domino 6.5 for iSeries)
- i400help.pdf (Installing and Managing Domino 6.5 for iSeries)
- readme.pdf (Domino 6.5.1 Release Notes)
- readme.nsf (Domino 6.5.1 Release Notes)

Server
Installing Domino for iSeries from CD-ROM
When installing Domino 6 for iSeries from CD-ROM, the software must first be uncompressed from the CD-ROM prior to copying the installation files. This differs from R5 in which no uncompression was required. In Domino 6 releases prior to 6.0.2, during uncompression, a black screen showing the "Attaching java program. ...." message appeared. Beginning with 6.0.2, this has been changed so that a more helpful message is shown. The following is the new message:

"Uncompressing option xxx. This may take a while, please be patient."

where xxx is the option being uncompressed.

The amount of time required to perform the uncompression depends upon the the performance characteristics of the iSeries system on which the uncompression is being performed.
Upgrade issues with Domino and other Lotus products
You cannot upgrade servers that are running QuickPlace, Domino.Doc, or LEI 3 software to Domino 6 at this time. As of Domino 6.5.1, QuickPlace, Domino.Doc, and LEI 3 can only run on Domino R5 servers.

Note LEI 6 and Sametime are supported with Domino 6. For more information on running Sametime with Domino 6, see the Sametime for iSeries Web site at the following address:
http://www.ibm.com/eserver/iseries/sametime

Release 6.5.2

Decompression of CD-ROM software no longer required
Because two CDs are now used for Domino installation, decompression of the software prior to copying the installation files is no longer required. In previous Domino 6 releases, messages such as "Attaching java program. ...." and "Uncompressing option..." were displayed during installation. These messages will no longer appear.

Installation now requires two CDs
Installation of Domino now requires two CDs. For updated instructions on installing Domino, see the release note "Update of installation instructions for two CDs."

Release 6.5.3

Wire protocol drivers now installed with Domino
Starting with Domino 6.5.3, the Lotus Branded DataDirect Connect for ODBC wire protocol drivers are installed on the iSeries platform by the Domino installation program. The user is no longer required to download and install the drivers.

Lotus Branded DataDirect Connect for ODBC consists of a number of database drivers that are compliant with the Open Database Connectivity (ODBC) specification. The drivers enable you to connect to a variety of relational databases.
Chapter 8 - Domino for z/OS

Things you need to know

Installation

Server

Where to Find More Information

The following manuals and web sites may be useful to you:

**Domino for z/OS reference material**

_Domino for z/OS Install Guide_
_Domino for z/OS chapter of the Release Notes_
_z/OS Console Support for Domino_

Domino for Mainframe Servers (S/390 and z/OS) Home Page, provides valuable pointers to marketing and technical information.  

Links to Technical Information for Lotus Domino for z/OS


The latest documentation and macros for smf record type 108


The Domino for z/OS & Notes Doc Library can be found at


Lotus Notes/Domino Knowledge bases

http://www.ibm.com/software/lotus/support/domino/support.html
http://www.ibm.com/software/lotus/support/notes/support.html

C API tool kit


http://www.lotus.com/ldd/notesua.nsf/0b345eb9d127270b8525e665d006bc355/1fe0d8ba4f32141a852569810053f0b9?OpenDocument

Discussion List

Customers discuss Domino 390 issues on the DOM390-L discussion list.

To subscribe to the DOM390-L discussion, send a note to: LISTSERV@LISTSERV.WVNET.EDU

Include the following line in the body of the note, SUBSCRIBE DOM390-L.

After you are subscribed, you will receive further instructions on how to use the mailing list.
z/OS Publications

3990
3990/9390 Planning, Installation, and Storage Administration Guide GA32-0100

JDK

z/OS
z/OS MVS Initialization and Tuning Reference SA22-7592
z/OS Planning for Installation GA22-7504
z/OS MVS Planning: Workload Management SA22-7602
z/OS RMF Report Analysis SC33-7991
z/OS RMF User’s Guide SC33-7990

zFS
V1R2.0 Distributed File Service zFS Administration SC24-5989

TCP/IP
z/OS CS: IP Configuration Guide SC31-8775
z/OS CS: IP Configuration Reference SC31-8776
z/OS CS: IP Migration GC31-8773

DB2
DB2 UDB for OS/390 V6 Installation Guide GC26-9008
DB2 UDB for OS/390 V6 ODBC Guide & Reference SC26-9005
DB2 UDB for OS/390 and z/OS V7 Installation Guide GC26-9936
DB2 UDB for OS/390 and z/OS V7 ODBC Guide and Reference SC26-9941

UNIX System Services
z/OS UNIX System Services Planning GA22-7800

WebSphere
WebSphere® Application Server for z/OS and OS/390: Installation and Customization GA22-7834
WebSphere® Application Server for z/OS and OS/390: Messages and Diagnosis GA22-7837
HTTP Server Planning, Installing, and Using SC34-4826

z/OS Internet library
On-line book manager for all OS/390 and z/OS releases, pdf files are also available

z/OS messages and codes database

LookAt
LookAt is an online facility that enables you to look up explanations for z/OS messages and system abends. Using LookAt to find information is faster than a conventional search because in most cases LookAt goes directly to the message explanation.

LookAt is on the Internet at:

Server
Installation Updates
All of the latest installation information is in the Domino 6.5.2 for z/OS Installation Guide.
Hardware Cryptography Support
This release note describes how to setup and use hardware cryptography (System SSL) with Domino on z/OS.

Hardware Setup
In order to use hardware cryptography (System SSL) for z/OS you must have the hardware cryptography cards correctly installed and configured. Please refer to the Install Guide for references.

Domino Setup

GSKKYMAN Utility
First run the z/OS gskkyman utility to create your z/OS key file and stash file. A z/OS gskkyman key file and stash file are required in order to take advantage of System SSL. In order to create the stash file you must choose the store password option in gskkyman. Once these are created you can place them in the directory of your choice (notesdata for example). If you do not place these files in your notesdata directory, then you must specify the full path when defining the notes.ini variables for the key file and stash file (See the "Notes.INI Variables" section below for more information. If you create a self signed certificate, then you must create an end certificate (not a CA certificate). In addition, make sure that a default key is defined when creating your certificate. Additional information on gskkyman can be found in System SSL Programming SC24-5901 for the z/OS release that is currently being used to run gskkyman.

Notes.INI Variables
The following are the Notes.INI variables that can be set for using System SSL. The variables that have ‘Y’ under the “REQ?” column indicate that it is a variable that must be set in order to use System SSL.

<table>
<thead>
<tr>
<th>NOTES.INI VARIABLE NAME</th>
<th>REQ?</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM_SSL_HTTP=1</td>
<td>Y</td>
<td>Tells Domino to use the System SSL API instead of SSLPlus for HTTP</td>
</tr>
<tr>
<td>SYSTEM_SSL_KEYFILE=key.kdb</td>
<td>Y</td>
<td>The z/OS key file to be used (created by gskkyman). If an absolute path is not specified, notesdata is assumed</td>
</tr>
<tr>
<td>SYSTEM_SSL_STASHFILE=key.sth</td>
<td>Y</td>
<td>The z/OS stash file to be used (created by gskkyman). If an absolute path is not specified, notesdata is assumed</td>
</tr>
<tr>
<td>SYSTEM_SSL_CACHE=512</td>
<td>N</td>
<td>The maximum number of session ID elements that can be stored in the SSL V3.0 cache. The range is 0-64000 entries. An entry number of 0 will cause a full SSL handshake to be done for each connection. The Default is 512.</td>
</tr>
<tr>
<td>SYSTEM_SSL_TIMEOUT=30000</td>
<td>N</td>
<td>The number of seconds until the SSL V3.0 session identifier expires. The range is 0-86400 (1 day) seconds. System SSL will remember SSL V3.0 session identifiers for up to this amount of time. By remembering these SSL V3.0 session identifiers, the amount of data exchanged during the SSL handshake can be reduced for peer applications where a complete initial handshake has already been performed. The default is 30000 seconds (8 hours).</td>
</tr>
</tbody>
</table>

Domino SSL Setup
Now you can setup SSL on the Domino server just as you normally would. Follow the instructions in the Domino Help database, there is nothing specific to System SSL that you need to do. Once you setup SSL on Domino, you should have a Domino key file and stash file.

IMPORTANT NOTE: The Domino key and stash SSL files are different from the z/OS key and stash files created with gskkyman and must be placed in the notesdata directory. Whenever Domino asks for a key file or stash file name, always provide the Domino key or stash file names and not the z/OS gskkyman key or stash file names.

You may want to merge your Domino certificate into your z/OS key file. This can be useful if you use certificate authentication. Users that have personal certificates created by Domino won’t be able to authenticate with HTTP using System SSL unless you merge your Domino certificate into the gskkyman key file. To do this, follow these steps:

Step 1: Load HTTP on the server and open certreq.nsf through your web browser
Step 2: Click "Accept This Authority In Your Browser"
Step 3: For IE 6 go to Tools -> Internet Options -> Contents Tab and click "Certificates"
Step 4: Go to "Trusted Root Certification Authorities" and find the Domino Certificate
Step 5: Choose "Export" and begin the wizard.
Step 6: For "Export File Format" choose 'Base 64 Encoded X.509'
Step 7: Enter the file name with a .arm extension and then click "Ok" then "Finish"
Step 8: You should now have a .arm file, similar to the example below:

```
----- BEGIN CERTIFICATE ----­
MiMFDftHUbBsJFidnWMVaJFwDeDVMLA3ppFDSVnopIeInkdh2hgDSd0mINoBIff
fjfQurrEI0vnmXCIVuyVjpD+iS1jaVAjIMQWIVDSofNHvvNHdi7BvjMhIUVdhsui
APBgEw1UEBhMCVVMxETxqb3Vnl+AkGA7GCE5ldyBz3JrMRUwEwNVBAajEYDVQg
UECxeLv1sXliVEsH1c3OEMA&Gx6t1XBzaWxDAAizMSBqFRaO1CTTA1EDA0BgNV
TWhhcDxSySssL1iSc+cO01q10TAWjHVzDMMzxQoTShMcMUmMxMBqMkkvbwTBAMNNM
CQDFBDIIFdVWeVlDINV+i+MzifdonVQGRM8G+1HYTcmiNs4fAtTcsxFTATBgNVBAcT
cAoGA1UEChMalEeMEDDSJwYdGVzDvZmzkwDEQMA4GA1UEAxMHHpZTEQQLfEwhlMM
BAt0zpCASlWdQ5wE+1DvEXspRs4hjRPAgCh0UCMNzMPfLYJoIhvzNAAQoCguTD
Sn3edBaC52pCtXRAiSeQrJe9sQys3*zJgd4YDd92bLc+UUeDeD9mORe4s3rVeRSD
wghwebHbGCnPAwU3EZHhNUaxBnqB4A5TDh17ZuLNsSbzNkk+qmlpdVlyCMS
----- END CERTIFICATE ----­
```

Step 9: Transfer your .arm file to your z/OS system as a TEXT file
Step 10: Run gskkyman and select "Store a CA certificate"
Step 11: Enter your .arm file name to import the certificate

The Domino certificate should now be merged into your gskkyman key file. Users that have personal certificates created by that Domino trusted root certificate will now be able to authenticate with HTTP using System SSL.

Now you can enable SSL for the individual protocols you desire through the server document. Note that System SSL can only be used for the HTTP protocol. If SSL is already enabled on your server, you can skip this step.

**Notes**

The System SSL API does not support the thread pool model
System SSL can only be enabled for HTTP. Therefore, all other internet protocols (such as POP3, IMAP) will use the software SSL library, SSLPlus, as they always have.

The System SSL API has limited CRL support
Domino has its own CRL storage process and since System SSL only supports Tivoli PKI Trust Authority, CRLs cannot be used at this time.

System SSL and SSLPlus only support System SSL V3
SSLPlus (the current SSL package) only supports V3 on z/OS for Domino 6. Likewise, System SSL only uses the SSL V3 protocol.
Platforms and requirements

Server

Required PTFs for z/OS to run Domino
The following web site contains the list of z/OS service required to run Domino 6 for z/OS:


Additionally, a tool (the PTF checker) is provided that uses SMP/E to verify that this service has been applied on a z/OS system. The PTF checker is also provided at the web site listed above. To use the PTF checker, follow the directions in the comments section of the file.

The web site should be reviewed frequently and service should be applied and verified whenever there are changes to the list.

Server

System requirements
See the Domino 6.5.2 for z/OS Install Guide for system requirements.

Server

Lotus.ini file needs to be in EBCDIC format
In this release, the lotus.ini file must be in native EBCDIC for the z/OS platform. The default location of the lotus.ini file is in the directory: /usr/lpp/lotus/notes/latest/os390. In prior releases, this file had been in ASCII format.

During the install of this new release, if the lotus.ini file does not exist (from a previous release), a new lotus.ini file is created in the correct format. But if the file does exist, then the new install will convert it from ASCII to EBCDIC if need be, preserving any modifications you had made to it.

Restrictions

Server

Some graphical support in Mail Reports not yet available
When using the Web Administrator from a browser, be aware that graphical output from the Reports database is not fully supported at this time on z/OS. Opening the Messaging - Mail tab and creating a usage report will generate incomplete pictorial output. This will be corrected with a later version of Java. As an alternative, use the Messaging - Mail option from the Administration Client on your workstation to view accurate graphical output from the Reports database.

Server

z/OS Enterprise Integration restrictions
Following are the z/OS Enterprise Integration restrictions:

- Do not use web browser to access DECS real time documents in Notes database.
- DECS for z/OS will only support connections to DB2.
- LC LSX and DECS:
  - DB2 ODBC must use the DB2 for OS/390 and z/OS Recoverable Resource Manager Services attachment facility (RRSAF). Set MVSATTACHTYPE=RRSAF in the Subsystem section for any database used by LC LSX or DECs
  - Any Stored Procedure must be defined to use RRSAF.
IBM Lotus Notes, Domino, Domino Designer 6.5.4 Release Notes  Chapter 8 - Domino for z/OS

Server

z/FS aggregate issues
At this time, we do not recommend using the z/FS aggregate dynamic GROW feature for Domino file systems. z/FS is based on a UNIX file system software product that can take minutes (15 minutes in some cases) to grow a z/FS file system in an aggregate. During the time the z/FS aggregate is grown, all file systems within an aggregate are quiesced, in order to format the expanded part of the file system. We feel this quiesce would be detrimental to Domino, as all disk I/O and client responses would cease during the aggregate GROW process.

We also recommend you continue to monitor the console log for the message "Warning: cannot merge full text index a/notes/data/mtdata/mtstore.ft due to insufficient disk space" and manually grow z/FS file systems as needed during off-peak hours.

Server, Domino Web Access

Edit dictionary is not supported
When using the spell checking from Domino Web Access, be aware that the Edit dictionary button is not supported at this time on z/OS. Clicking on the Edit dictionary button will display empty list even after words were added to the personal dictionary. But the spell checking will know about the words in the personal dictionary and use them for checking spelling.

Server

IPv6 is not supported
IPv6 is not supported by Domino for z/OS at this time. It is expected to be supported in a future maintenance release of Domino 6.

Miscellaneous notes

Server

z/OS Console support for Domino restrictions
The following is a list of Domino Console restrictions for z/OS:

1. The jconsole command may be run from a z/OS system by setting the DISPLAY environment variable to point to a workstation running the Xwindows server.

2. If you are using zOS Console Support for Domino, be sure you use a unique user ID for each Domino server partition (DPAR).

Server

Expand File System for Full Text Search
The Full Text Index function automatically extends the size of the file system being indexed rather than immediately failing the request when the existing file system size is insufficient. This feature does not apply to z/FS file systems.

To enable this function, specify the following in notes.ini:

```
OS390_EXPANDHFS_ENABLE=1
```

When OS390_EXPANDHFS_ENABLE is enabled in notes.ini, an attempt is made to expand the file system in the same volume. If this fails and the following notes.ini is also set, then there is a second attempt to expand the file system into additional volumes. Expands into additional volumes are successful only if the file system was defined as a multi volume HFS.

```
OS390_EXPAND_NEXT_VOL = 1
```
Each time a file system is successfully expanded, the following is an example of what the Domino server console displays:

```
02/22/2002  08:21:46 PM  OS390_EXPANDHFS_ENABLE=1 successfully expanded
file-system-name for nn Megabytes
```

If running on z/FS, the following error message that will be displayed because BPX1PCT pfsctl() does not support the extend file system command on z/FS.

```
Error Expand File System Failed  errno = 134  errno2 = 11B300BA "EDC5134I
Function not implemented."
02/22/2002  08:14:54 PM  OS390_EXPANDHFS_ENABLE=1 Failure to expand file system
file-system-name for nn Megabytes
```

If an attempt is made to expand a file system with no more space left on the device (volume or multiple volumes), the following is an example of what the Domino server console displays:

```
Error Expand File System Failed  errno = 133  errno2 = 5B27C005 "EDC5133I No
space left on device."
02/22/2002  08:21:46 PM  OS390_EXPANDHFS_ENABLE=1 Failure to expand file system
file-system-name for nn Megabytes
```

If an attempt is made to expand a file system that does not exist, the following is an example of what the Domino server console displays:

```
Error Expand File System Failed  errno = 129  errno2 = 05F1006C "EDC5129I No
such file or directory."
02/22/2002  08:21:46 PM  OS390_EXPANDHFS_ENABLE=1 Failure to expand file system
file-system-name for nn Megabytes
```

Server

**Note to Non-WebSphere Customers**

Domino for IBM HTTP Server (WebConnector) is no longer supported. WebSphere to Domino connectivity is now achieved through the use of a general-purpose WebSphere plugin. Customers desiring the Domino Plugin for use with the IBM HTTP Server should contact their IBM Sales Representative to obtain it.

See the *Domino 6.5.2 for z/OS Install Guide* for further details.

National language support

Server

**Known Problems**

Japanese DB2 using code page 943 or 5039 as Mixed ASCII CCSID not supported by LS:DO

DB2 with code page 943 or 5039 as the Mixed ASCII CCSID is not supported. Even if the ASCII table is not used, DB2 with this CCSID causes a problem in LS:DO.
Server feature changes

EBCDIC html files will no longer be supported by Domino http

Domino http does not support EBCDIC HTML files. The content-encoding attribute, EBCDIC, in httpd.cnf is not honored. You can use the UNIX command iconv or a shell script, fileconv.sh, provided by Domino 6 for z/OS to convert HTML pages from EBCDIC to ASCII or use IBM http for zSeries to serve the EBCDIC HTML pages.

Troubleshooting

Installation issues

IEASYSxx. For optimal Domino performance it is extremely important that ESQA and ECSA settings be kept to a minimum. Keeping ESQA and ECSA to a minimum will provide maximum virtual addresses in all Domino address spaces. A good general starting point for Domino is to set both ECSA and ESQA to 65 MB and no larger than 100MB.

For each server with a different program directory, plan for an additional 10 megabytes of ESQA. Both Domino memory mapped files and user shared library (SHRLIBMAXPAGES) consume ESQA storage.

We recommend you monitor the ECSA and ESQA size before and after you have installed the latest level of the Domino code for any additional tuning. Based on your own configuration, you will probably have to tune this value for your own environment. As with all other applications that run on z/OS, you should monitor your CSA, ECSA, SQA, and ESQA usage on a regular basis. You can do this by reviewing your RMF reports.

See the z/OS MVS Initialization and Tuning Reference, SA22-7592, for additional information on the CSA and SQA parameters in your SYS1.PARMLIB IEASYS member.

BPXPRMxx values. BPXPRMxx values must be set exactly as specified in the Domino 6.5.2 for z/OS Install Guide unless a formula is given. These values must be set before setting up the Domino server.

If you use the SETOMVS command to set parameters, they only remain at that value until the next IPL. To set a parameter permanently, update the BPXPRMxx member used during IPL, or have the SET command run after each IPL. This can be done by putting it in as a command in COMMNDxx PARMLIB member. Some changes may not become effective until an IPL is done. Read the appropriate z/OS publication to verify which parameters require an IPL.
To verify you have the correct settings, issue the following UNIX System Services command to verify BPXPRMxx values:

`dom_verify_os`

To display the current BPXPARM settings and high water mark usage issue the following commands:

`DOMVS,O`
`DOMVS,LIMITS`

- **COMMDxx**
  - Ensure you have the following command in your parmlib member and is set prior to running the Server
    `COM='SETPROG LPA,ADD,DSNAME=high-level-qualifier.SCEERUN2,MODNAME=CELHV003'`
  - If you are unable to run the `dom_verify_os` or Domino Server Setup, verify the following:
    Ensure `high-level-qualifier.SCEERUN2` is cataloged and available on your driving System.
    Ensure `high-level-qualifier.SCEERUN2` is in your PROGxx or LNKLSTxx concatenation
    Verify successful execution of the following command:
    `SETPROG LPA,ADD,DSN=high-level-qualifier.SCEERUN2,MOD=CELHV003`

- **The install process requires your Language to be set to C.**
  - The install should be run with the system Language set to use the default C language. If it is not, unpredictable results may occur.
    - To verify the Language, issue the following: `echo $LANG`
    - The response should be: `C`
    - If the value is not `C`, remember the value displayed and change the language by issuing the following: `export LANG=C`.
    - Prior to starting the server, set the LANG variable back to its original value by issuing the following: `export LANG=<original value>`

- **Auxiliary Storage and Shared Library Support**
  - If running out of auxiliary storage or experiencing a negative performance change after installing a new libnotes DLL or a new Domino server program directory, then you should check both the libnotes DLL extended attributes and SYS1.PARMLIB(BPXPARMxx) SHRLIBRGNSIZE value.
  - Each additional server program directory requires that the SHRLIBRGNSIZE value be increased. See the Domino 6.5.2 for z/OS Install Guide.
  - To verify the libnotes extended attribute for system shared library is set, issue the following command:
    `Is -E libnotes`
  - You will see the following display:
    `-rwxr-xr-x --sl 1 INSTALL NOTES 50556928 Sep 20 23:12 libnotes`
  - Note that `-` in `--sl` above indicates that the shared library extended attribute is on.
  - If the shared library extended attribute is not on for libnotes, you will need to turn it on with a userid authorized to the BPX.FILEATTR.SHARELIB RACF Facility Class. Use the following command to turn on the system shared library extended attribute (note that +L is lower case L):
    `extattr +L libnotes`
Domino Server Setup issues

1. Setting up the correct path

When trying to perform Domino Server setup, if you issue the command `server -listen` and you get the following response:

```
server: FSUM7351 not found
```
your path is not set up correctly.

At the /notesdata directory, issue the following command: `whence server`
You should get the following response: `/usr/lpp/lotus/bin/server`
You should find the server program at the bin directory of the server’s program directory (for example, `/usr/lpp/lotus/bin`). If it is not the bin directory, see “Setting the PATH environment variable” in the Domino 6.5.2 for z/OS Install Guide.

2. Recommended method of running the Domino Server Setup

The Domino Server Setup program must be run remotely using a workstation with either of the following available:

- Domino Administrator 6 Client installed, selecting "Remote Server Setup"
- Java Runtime Environment 1.3 - The Java Runtime Environment 1.3 must be installed on your workstation. To verify the Java Runtime Environment 1.3 is installed, issue the following command from your workstation:
  
  ```
  java -fullversion
  ```

If the Domino Administrator 6 Client is already installed, we recommend that you use this method to run the Domino Server Setup.

IEFUSI User Exit

If you are currently using an IEFUSI user exit, you must review APAR OW38477 and review the z/OS Unix System Services Planning manual (GA22-7800) for IEFUSI considerations.

Serviceability and Fault Recovery

Even with careful server maintenance, you may occasionally encounter unexpected problems.

Domino provides a collection of tools that you can use for general troubleshooting. The Lotus Web site and Customer Support team provide additional troubleshooting assistance. The following describes the available troubleshooting differences that are unique to Domino on z/OS.

- New Domino 6 Fault Recovery makes it possible to automatically restart the Domino server after a server Panic. For maximum Domino server availability, it is recommended that you enable Fault Recovery in the server document as described below.

- After a server Panic, Domino for z/OS may also create an SVC dump and run "nsd" to collect additional Domino service information just before the server is automatically restarted.
The SVC dump for Domino failures with ABEND=S0EC6,REASON=07020582 in BPXGXQCT is also new. For optimal Domino service it is suggested that you enable the Domino for z/OS SVC dump capability. The SVC dump is enabled by setting the following environment variable before starting the Domino server:

```
export OS390_DOMINO_SVC_DUMP=1
```

The OS390_DOMINO_SVC_DUMP environment variable enables Domino SVC dumps with ABEND=S0EC6,REASON=07020582 in BPXGXQCT. SVC dumps with this abend code and reason code will be created for a Domino server panic and other failures. Any SVC dump created for Domino with this abend code and reason code should be sent to Domino service for analysis.

You may need to modify or add z/OS SLIP traps to ensure an SVC dump is taken for ABEND=S0EC6,REASON=07020582. Use the z/OS console command D SLIP to display all slips to ensure abend EC6 abends are not disabled. If EC6 abends are disabled, then you can use the following slip command to enable SVC dumps for this specific abend and reason code.

```
SLIP SET, ID=XEC6, A=SVCD, COMP=EC6, RE=07020582, ML=50, ASIDLST=(CU,000E), SDATA=(CSA,LPA,SQA,PSA,RGN,TRT,GRSQ,NUC), END
```

Domino nsd program now calls a new service program called memcheck. The memcheck program formats and records much of Domino’s memory.

The domps command has been updated to use new options on the z/OS ps UNIX command. For example, the VSZ value is displayed showing virtual address high water mark usage in each process.

The new dom_verify_os command assists in verifying the correct z/OS configuration.

Fault Recovery is enabled using the Domino server document design as follows:

1. From the Domino Administrator, click the Configuration tab, and expand the Server section
2. Open the Server document, click Edit document, and click the Basics tab
3. Check “Fault Recovery Enabled”

Just below the check for “Fault Recovery Enabled.” you may specify the cleanup script. The default cleanup script shipped with Domino is nsd.sh -batch, which is required by Domino service.

Just below the cleanup script name you may also change the “Cleanup Script Maximum Execution Time”. If the Domino server is supporting thousands of users or over ten Domino tasks, then it is suggested to change the “Cleanup Script Maximum Execution Time” to 600 seconds.

### Documentation updates

**Server**

**IPCSHMNIDS recommended setting has changed**

To avoid the Domino Panic shown below, the SYS1.PARMLIB(BPXPARMxx) IPCSHMNIDS value may need to be changed; the original documented recommended setting for IPCSHMNIDS was 500.

PANIC: Insufficient memory.

[16778840:00035-1476460564] PanicStack: decimal errno=133 / hexadecimal errno2=7200305

The new recommended setting for IPCSHMNIDS is:

<table>
<thead>
<tr>
<th>IPCSHMNIDS</th>
<th>PURPOSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>[250 \times \text{number of Domino servers (DPARs) running in the LPAR}]</td>
<td>Specifies the maximum number of unique shared memory segments in the system.</td>
</tr>
</tbody>
</table>
Interoperability

Server

Formula Language

In formula language:

For z/OS:

@Platform([Specific]) returns "IBM OS/390"

Server

LotusScript on z/OS & iSeries support for native EBCDIC strings

For the Domino 6.0.2 release, LotusScript changed to fully support the natively EBCDIC platforms (z/OS and AS/400). In particular, where documentation refers to the "platform-native character set", it is now handled as the appropriate EBCDIC string or value on EBCDIC platforms. In prior releases, all such strings were considered LMBCS, which is the same as ASCII in the single-byte range.

While this change enhances programmability for Domino applications using LotusScript on z/OS and AS/400, there are some specific cases where an existing application may require changes. This is limited to the following applications:

- LotusScript eXtensions (LSX's) acquired outside of the Domino product and invoked through the USELSX statement
- local LotusScript applications with dependencies on ASCII file or string formats

Each consideration is described in detail for those familiar with Domino Designer applications using LotusScript.

LSX Applications

Strings passed to/from LotusScript eXtension (LSX) dll's, as a result of the USELSX statement, with string-type registration set to LSI_REGNAME_PLATFORM were handled as LMBCS in releases prior to Domino 6 on EBCDIC platforms. Such strings are now supported as locale-sensitive EBCDIC strings. Similarly, the LSX_MSG_SETPATH message sent from LotusScript to the LSX message processor just after the LSX is loaded contains the path string for the LSX dll location. This string is now passed in the locale-sensitive EBCDIC character set on EBCDIC platforms.

This change is only likely to affect your application if it was compiled in an ASCII codepage (such as with the __STRING_CODE_SET__="ISO8859-1" compiler definition on z/OS) and strings were registered as PLATFORM, as opposed to LMBCS, UNICODE, or ASCII. For this condition, the simplest change may be to find each string registration made with LSI_REGNAME_PLATFORM and change it to LSI_REGNAME_LMBCS.

The LSX registry (lotus.ini file on non-windows platforms) was handled as an ASCII file in releases prior to Domino 6, and is now read as a locale-sensitive EBCDIC file on EBCDIC platforms. If your Domino installation has the file lotus.ini in the Domino data directory, see if it is an ASCII file and, if so, translate it to EBCDIC following an upgrade to Domino 6. For example, if your Domino 6 server runs in the "C" locale, you could use the iconv command for the one-time translation, as in:

```
mv lotus.ini lotus.ini.ascii
iconv -f ISO8859-1 -t IBM-1047 lotus.ini.ascii > lotus.ini
rm lotus.ini.ascii
```

Local LotusScript Applications

There are a very few instances where the platform's native character set can affect LotusScript applications. Specifically, the xxxBP functions within LotusScript (InputBP, InStrBP, LeftBP, LenBP, MidBP, and RightBP) all operate on counts or position of bytes in the "platform-native character set". In other words, LotusScript must internally convert a string to the platforms' current character set in order to perform a calculation or comparison against the data. In releases prior to Domino 6, this data was converted to LMBCS on EBCDIC platforms; now it occurs on locale-sensitive EBCDIC strings, which can be either single or multi-byte character sets depending on the current locale. xxxBP function usage tends to be very rare, but it is possible that an application could be affected by this change. For example, the length, in bytes, of a single character in a Japanese locale is at most 2 on most platforms; on z/OS, it can be 4.
There are a few cases where string data needs to continue to be in an ASCII format, and for support in all language environments, a locale-sensitive ASCII character set. For Domino 6, such strings are converted to a true ASCII character set equivalent to the native EBCDIC setting; in releases prior to Domino 6, these strings were always handled as LMBCS strings on EBCDIC platforms. Therefore, this change ONLY effects codepages other than those with single-byte character sets (typically CKJ codepages). Specifically:

- The **Asc** function returns the character represented by the given value interpreted as a locale-sensitive ASCII character code. Note that this is a documentation change for the **Asc** function; it does not make sense for Asc(“A”) to return an EBCDIC value on EBCDIC platforms.
- The **Chr** and **String** functions must make the reverse conversion made by the **Asc** function. In other words, the code segment:

  ```
  For letterCode& = Asc("a") To Asc("z")
  Print Chr$(letterCode&)
  Print String$(1, letterCode&)
  Next
  ```

must print “a a b b ...” on ALL platforms, including the natively EBCDIC ones. Therefore, **Chr** and **String** functions change to return the character represented by the given value interpreted as a locale-sensitive ASCII character code. Prior to Domino 6, they returned the character represented by the value interpreted as a LMBCS character code.

### History of changes

#### Release 6.0

**Server**

**CPU Reduction and z/OS Improvements**

Domino 6 for z/OS has shown significant CPU reduction for Domino’s mail and calendaring in the development lab for both Notes client and iNotes Web access to mail.

This was accomplished in part by taking advantage of the following z/OS improvements:

- C/C++ compiler and LE/RTL support of XPLINK which reduces the number of assembler machine instructions executed between C/C++ function calls
- C/C++ compiler support for new S/390 G5 and G6 machine instructions
- C/C++ compiler general improved optimization and reduction in assembler machine instructions
- C/C++ compiler option to increase function inlining for C++ object oriented Domino code
- C/C++ compiler support of standard template library used by Domino

**Server**

**Documentation enhancements**

Domino 6 for z/OS has enhanced its documentation, as follows:

- The Install Guide was rewritten with extensive changes and additions, including flow charts of the install process and screen captures of the Domino Server Setup procedure.
- The Release Notes are merged with the Core Release Notes as a chapter, titled “Domino 6 for z/OS.”
- The z/OS Console Support for Domino manual was rewritten.
Server

**Domino Server Setup**
The new Domino Server Setup program replaces the HTTPSETUP.

Server

**Java runtime environment now ships with Domino 6 for z/OS**
In Domino 6 for z/OS, the Java runtime environment is now embedded in the Domino executable tree. No additional setup is required to use it. Any reference to the Java runtime environment does not use PATH, CLASSPATH or LIBPATH and will be ignored. No external JDK is required to use the Java support within Domino 6 for z/OS.

Server

**New BPXPRM verification**
A new dom_verify_os command was introduced in Domino 6 for z/OS. This command is part of the install procedure and helps verify that the BPXPRMxx values are set correctly.

Server

**New Fault Recovery and Servicability Features**
In the event of a failure, a Domino server can be configured to capture the z/OS state in an SVC dump, the Domino state in an nsd dump, and restart the Domino server automatically. The nsd dump captures significantly more service information with a program called memcheck. When combined with shorter server startup times that have been engineered into Domino 6, server downtime is significantly reduced and servicability significantly improved.

A new environment variable OS390_DOMINO_SVC_DUMP=1 enables SVC dump for Domino failures with ABEND=50EC6,REASON=07020582 in BPXGQCT. This new feature makes it possible to capture Domino SVC dumps with no process termination.

Server

**Server monitoring**
After server installation and configuration is complete, the next step to ensuring a successful deployment is to monitor the performance of the server, and z/OS. Domino has always been well integrated with the performance monitoring infrastructure of OS/390 and z/OS through SMF, via the 108 record. Early in the port of Domino to OS/390, we created hooks in the product to record performance-critical Domino information that could be gathered using the traditional SMF interfaces. Information from 108 records could then be analyzed in concert with other RMF data about z/OS and the hardware to provide an integrated picture of server and platform. This is a process that works well for administrators who have z/OS skills to collect and analyze performance data, but for Domino administrators who may be new to the platform, this can be a significant obstacle to overcome.

In Domino 6 we have taken performance monitoring data in the other direction, and integrated z/OS metrics with the Domino statistics package. RMF monitor II data describing CPU and central storage usage is now recorded every minute, as a series of Domino statistics which can be displayed and otherwise utilized in the same way as all other statistics that the server tracks. This allows the administrator to monitor servers in the way that makes the most sense in his or her particular enterprise.

Server

**Support of multiple Domino 6 releases in one LPAR**
You can run multiple Domino 6 Releases on a single LPAR with a single Domino R5 release. This is accomplished by making use of Shared Library Support.

Server

**Shared Library Support**
Shared Library Support simplifies the install process by removing the requirement of adding Domino DLLs into Dynamic LPA and the requirement of running the PUTINLPA job.
Server

**Verity Keyview Filter Support**

Domino 6 for z/OS now uses the Verity Keyview filter for retrieving text from binary attachments. Supported formats include Acrobat PDF, Word, WordPerfect, 1-2-3, Excel, Freelance, PowerPoint, HTML, and many others.

**Note:** WordPro attachments cannot be indexed.

To enable this feature, a database has to be full text indexed with the option to index binary attachments. Indexing attachments as raw text will continue to operate as before, and does not use the Keyview filter. The Keyview filter can be enabled or disabled for the entire server by specifying the notes.ini setting of

`FT_BINARY_FILTER_OFF`

A value of `FT_BINARY_FILTER_OFF=0`, or no setting present in the notes.ini file, indicates that Keyview filter will be used, and is the default setting.

A value of `FT_BINARY_FILTER_OFF=1` indicates Keyview filter will not be used.

This notes.ini setting allows administrators to shut off the filter without having to change the indexing options on all databases that have the binary attachment option turned on.

**Server**

**Domino HTTP DSAPI filter for host authentication (optional)**

The Domino for IBM HTTP Server (Web Connector) feature of Domino for S/390 Release 5 enabled browser clients accessing Domino databases through the IBM HTTP Server to specify their host userid and host password in response to an authentication challenge issued by Domino.

While the Web Connector is not supported in Release 6, host authentication to Domino's Http server task is supported, via DSAPI filter.

When this optional Domino configuration is in effect, any credentials (name and password, or X.509 certificate) supplied on an authentication challenge will be checked by host authentication services (RACF).

This functions exactly as it did for Web Connector, but is now broadened to apply to any browser client connecting to Domino's HTTP server task (not simply those connecting through WebSphere). See the Domino 6 for z/OS Install Guide for more information.

**Server**

**WebSphere migration**

Domino for IBM HTTP Server (WebConnector) is no longer supported. WebSphere to Domino connectivity is now achieved through the use of a general-purpose WebSphere plugin. See the Domino 6 for z/OS Install Guide for further details.

**Server**

**z/OS Console Support for Domino**

New function for z/OS Console Support for Domino 6 includes the ability to handle servers that have different code versions. Several Domino 6 versions can be accommodated as well as one R5 version. Function is provided by new executables, revised setup script, and updated JCL procedures.

See z/OS Console Support for Domino for more information.