

Note: Before using this information and the product it supports, read the information in "Notices" on page 39.

First Edition (July, 2006)

This edition applies to IBM® Lotus® Sametime® 7.5, (product number L-GHUS-6LTVFK), and to all subsequent releases and modifications, until otherwise indicated in new editions.

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Chapter 1. Installation Overview

The IBM® Lotus® Sametime® 7.5 Installation Guide provides an administrator with all instructions needed for successfully installing and setting up Lotus Sametime 7.5 version on a Microsoft® Windows®, IBM AIX®, or Sun Solaris platform.

This chapter includes a roadmap that outlines the tasks required to install and set up Sametime, and discusses system requirements in general.

IBM Lotus Sametime Installation Roadmap

The installation and setup instructions in this guide are for Microsoft® Windows®, IBM® AIX®, and Solaris operating systems. These instructions apply to both the full version of IBM Lotus® Sametime® and the Instant Messaging Limited Use version of Lotus Sametime. If you are installing the Instant Messaging Limited Use version of the Sametime server, see the topic Installing the Instant Messaging Limited Use Version for additional information.

Note: If you are installing on i5/OS, see the i5/OS installation guide on the Sametime Components CD.

This guide provides you with general instructions for installing and setting up a Domino server so that you can install Lotus Sametime on it. However, if you have never installed and set up a Domino server, it is strongly recommended that you refer to the Lotus Domino 7 Administrator Help to get a full understanding of how to install and set up a Domino server. To download or view the Lotus Domino 7 Administrator Help, go to <http://www.ibm.com/developerworks/lotus>.

After you have installed IBM Lotus Domino®, but *before* you run the Domino server setup, you should refer to this guide to determine which options you need to select during server setup to prepare your Domino server for use as a Sametime server.

Note: For the most up-to-date information regarding installation, see the release notes posted on the web at <http://www.ibm.com/developerworks/lotus>.

Roadmap

These are the tasks required to install Lotus Sametime.

1. Verify hardware and software requirements. Note that Lotus Sametime 7.5 must be installed on a Domino 7.0 (or later) server.
2. Install the Domino server.
3. Review the Domino server checklist, making note of any information you will need during Lotus Sametime installation and performing any tasks listed.
4. If you are installing Lotus Sametime on an IBM AIX® or Solaris server, set up the server environment.
5. Determine the directory type. You will need to know this information during install.
6. Install the Sametime server.
7. If you are using an LDAP directory instead of a Domino Directory, configure the Sametime server to access the LDAP directory.
8. If the Domino server on which you installed Lotus Sametime is the first server in the domain, and you are using a Domino Directory, populate the Domino Directory.
9. Verify that the Domino Server Document was configured properly during the Sametime server install.

10. Test the Sametime server.
11. Deploy the Lotus Sametime Connect clients.

System Requirements

Before you install IBM® Lotus® Sametime®, install the supported hardware and software. When possible, use the recommended rather than the minimum requirements to improve performance. For the most recent Sametime server system requirements, see the release notes that shipped with this product.

Operating system patches, service packs, and other updates are not specified in the information that follows. 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.

Chapter 2. Planning and Preparing for Lotus Sametime Installation

This chapter provides a Domino server checklist you can use to prepare for your IBM® Lotus® Sametime® installation. Use this list to make sure the Domino server is set up properly and that you have the information about the Domino server you will need before you install Lotus Sametime. Also included in this chapter are instructions for preparing a UNIX environment for installation, and information about your directory type that you will need to have, as well as possible installation scenarios.

Preparing the Domino Server for Sametime

IBM® Lotus® Sametime® 7.5 requires a Domino 7 (or later) server. Therefore, before you can install Lotus Sametime, you must install the Domino 7 server. See the topic *Installing Domino* for instructions.

After you have installed IBM Lotus Domino® on your server (or upgraded an existing Domino server to at least 7.0) you need to set up your Domino server for use as a Sametime server. Before you install Lotus Sametime, go through the "Domino server checklist" and the "Installation Notes" below to make sure the Domino server is ready for Lotus Sametime installation and that you have the information you will need to know during installation. In addition, if you are installing on IBM AIX® or Solaris, see the topic *Setting the AIX or Solaris Environment* for additional information you may need to know.

Domino Server Checklist

- Make sure that the required hardware and software components are in place and working.
- Make sure that the Domino server.id does not have a password. When you installed Lotus Domino, if you provided a password for the server.id, you must remove the password. Or, if you have a copy of the server.id file without a password saved locally, you can replace the server.id in the data directory of the server before you set up the server. To remove a password from a server.id, log in to the Lotus Notes client using the server.id. Then choose - File - Security - User Security and reset the password to be empty.

CAUTION:

Having an empty password for the server.id is a security risk. Make sure your Sametime server is secured (in a locked room, for example).

- Make sure that the Domino server has the HTTP server task enabled.
- Make sure you have an Internet password. You must have an Internet password in order to access the Lotus Sametime components of the server during installation.
- Make sure you know the name of the Domino server. If you do not know the Domino server name, you can find it in the Server document. Verify that the Domino server has a fully qualified host name -- for example dominoserver.company.com.
- Make sure that the client computers can ping the Sametime server using the fully qualified name. This ensures that the computer is registered in DNS or the name is in a hosts file. For example, from a command prompt execute the following command:

```
ping sametime1.acme.com
```
- Make sure you know the location of the Domino program and data directories.
- Make sure you know the type of directory (Domino Directory or LDAP directory) that you are going to use.
- For AIX and Sun Solaris, make sure that the Domino server was installed as root. See *Setting the AIX or Solaris Environment* for additional information.
- Temporarily disable any screen savers and turn off any virus-detection software on the server computer reserved for Sametime server installation.

- Make sure that all applications on the computer reserved for Lotus Sametime installation (including the Domino Server Administrator and the Web browser) are closed. Otherwise, you might corrupt any shared files and the installation program might not run properly.
- Make sure that the Domino services are stopped.
- Back up all customized data files (.ntf, .mdm, .scr, .bmp, .mac, .smi, .tbl).
- Make backup copies of: all ID files, names.nsf, notes.ini, desktop.dsk, and pubnames.ntf.
- Make sure that the Domino server has been started at least once. This is necessary to ensure that the required databases are successfully created and initialized.
- Read the Lotus Sametime Release Notes for last-minute changes or additions that may impact the server install.
- Before running any Sametime setup command, complete any pending reboot actions you may have from installing other applications.

Installation Notes

- **Installing in an environment with other Sametime servers** -The Lotus Sametime installation will prompt you to replicate a Configuration database from an existing Sametime 7.5 server. This option is relevant only if you are installing the Sametime server into an environment in which other Sametime 7.5 servers are already operating. When selected, this option performs a one-time replication of the Configuration database (stconfig.nsf) from an existing Sametime 7.5 server to the Sametime 7.5 server you are installing.

The Configuration database stores the configuration and administration settings that are set from the Sametime Administration Tool. Replicating this database ensures that the newly-installed Sametime server has administration settings that are consistent with existing Sametime servers. In multiple Sametime server environments, it is essential that some administration settings remain consistent across all Sametime servers. For more information about setting up multiple Sametime server environments, see Chapter 14, "Deploying Multiple Sametime 7.5 Servers" in the *IBM Lotus Sametime 7.5 Administrator's Guide*.

- **For optimal performance** - The Sametime server should be placed at a centrally-located network backbone to reduce the number of network hops between clients and the server. Ideally, there should be no more than one WAN hop for every possible client to server connection. Clients that make multiple WAN hops to connect to the server will experience slower performance than clients connecting through a LAN or making one WAN hop to the server.

For organizations that have large networks, it may be necessary to install multiple Sametime servers to reduce the number of WAN hops for clients. For more information about working with multiple Sametime servers, see Chapter 14, "Deploying Multiple Sametime 7.5 Servers" of the *IBM Lotus Sametime 7.5 Administrator's Guide*.

- **Installing on AIX** - Lotus Sametime 7.5 for AIX will run on pSeries[®] or RS/6000[®] servers that support AIX 5.2 with the patch level 2 (5200-02) and have enough capacity to support Lotus Sametime 7.5 and Lotus Domino implementations. Like most platforms, there are price/performance and response time advantages to running Lotus Domino and Lotus Sametime on the newer technology server models.
- **Installing the correct language version** - You must install the language version of Lotus Domino that corresponds to the language version of Lotus Sametime you plan to install. Instructions for installing language versions are available on the language pack CD. For example, if you plan to install the French version of Lotus Sametime, you must install either the French version of Lotus Domino or the Global English version of Lotus Domino plus the French language files from the Domino Language Pack.

If no language pack exists for your language on your preferred platform, see the Technotes, available at <http://www.ibm.com/software/support>, for information on how to localize the Domino server.

Setting the AIX or Solaris Environment

Make sure you have read and completed the Domino server checklist. To make sure your IBM® AIX® or Sun Solaris server is ready to install IBM® Lotus® Sametime®, make sure of the following:

- You must log in as root to install the Sametime server.
- You must also have a designated OS user that is used to start the Sametime Server. This user must be a part of a designated OS group. The default user is "notes" and the default group is also "notes," but any non-root username and group can be used. To verify that the designated OS user is part of the OS group, type the following, where <dominoUserName> is the name of the notes user.

```
groups <dominoUserName>
```

For example, if you type **groups notes** you get the return value of **notes**, which means that the user name "notes" is a part of the group "notes."

- Verify that neither the lotus bin directory (by default /opt/ibm/lotus/bin) nor the Domino program directory (/opt/ibm/lotus/notes/latest/ibmpow for AIX or /opt/ibm/lotus/notes/latest/sunspa for Solaris) is in your \$PATH environment variable. The server install will not run if either directory is in your \$PATH.
- Verify the amount of disk space you have. Make sure that the file system has at least 1GB of disk space. Type the following command:

```
type "df -k"
```

Note: If you are not installing from a CD, you must also consider the disk space required for the *.tar install files and the unpacked install files, which needs approximately 2GB of disk space.

- AIX only -- The Input Output Completion Protocol (IOCP) must be installed and configured. If not, it will not allow the Domino setup to begin, and you will get the following error:

```
"Warning: Your system is not configured with I/O Completion Ports. I/O Completion Ports must be installed in order to run the Domino 7 Server. Install and make available I/O Completion Ports and restart your system."
```

Refer to Lotus Knowledgebase Technote 1086556 for detailed instructions on how to install/configure IOCP.

Using Sametime Conversion Services

Sametime Conversion Services is a feature that takes files of various formats (slides, images, documents, etc.) and provides a bitmap rendering so they can be shared in a meeting as slides. Because Sametime Conversion Services does not run natively on AIX, Solaris or i5/OS Sametime servers, the conversion servlet is not available for use by default on these platforms. However, you can achieve the same result by installing the Sametime Conversion Services on a Windows system. When the Sametime Conversion Services are installed on separate system from the Sametime server, that system is referred to as a Conversion Server. Once you have configured your Sametime server to communicate with a Conversion Server, files attached to meetings are automatically converted for display in the meeting as slides. During installation on AIX or Solaris, you will need to provide the fully qualified host name or dotted IP address and port of the conversion services server. For complete information about installing the conversion services server, see the *IBM Lotus Sametime 7.5 Administrator's Guide*.

Determining the Directory Type

Before you start the IBM® Lotus® Sametime® installation, you need to know which directory type you will be using. Lotus Sametime can operate with either an LDAP directory or a Domino Directory. Depending on the type of directory you select, the install procedure and the information you need to know varies.

LDAP

If your organization uses LDAP directories, select LDAP as the directory type during the server installation. You will need to know the following information:

- Name of the LDAP server
- Port number

If you do not know this information, contact your LDAP administrator. After the installation completes, you will need to Configure the server to access the LDAP directory. (or directories) used in your environment.

Domino Directory

If your organization uses a Domino Directory, the Domino Directory is already on the server on which you are installing Lotus Sametime. Directory assistance on the same server can also be used to access other Domino Directories of interest.

If you are installing Lotus Sametime on a Domino server that was set up as the first server in a Domino domain, you must populate the Domino Directory. with a community of users after you install the Sametime server. If the Domino server was an additional server in a Domino domain, the Domino Directory that replicated during the Domino server installation contains the community of users.

Possible Scenarios for Sametime Installation

There are several scenarios that are possible when you install IBM® Lotus® Sametime®. You can, for example, install Lotus Sametime on a Domino server in a new Domino domain, or in an existing Domino domain. In all scenarios, you must install Lotus Sametime 7.5 on a Domino 7.0 (or later) server. You can do the following:

- Set up a Domino server in a new Domino domain and add Lotus Sametime to that server. In this scenario, the Sametime server is configured on a Domino server and uses the Domino Directory for directory services.
- Add a Domino server to an existing Domino domain and then add Lotus Sametime to that server. A Sametime community can include more than one Sametime server. If you have a large number of Sametime users, you can install multiple Sametime servers for load balancing and to reduce network usage. However, you must install it on one server at a time. For example, if you have three Domino servers installed and you want to install Lotus Sametime on all three Domino servers, you would have to do three separate Sametime installs.
- Use an LDAP directory. You can configure Lotus Sametime to connect to an LDAP directory on a third-party server instead of using the Domino Directory. When Lotus Sametime is configured to connect to an LDAP directory, Sametime users are managed in an LDAP directory on another server.
- Install Lotus Sametime on a partitioned server. Installing Sametime on a partitioned server is supported for IBM® AIX® and Sun Solaris only.

For information regarding the differences in how Lotus Sametime accesses the Domino Directory based on whether you are installing in a new domain or an existing one, see the topic *Populating the Domino Directory*.

For more information on the different types of Sametime deployment, refer to the *IBM Lotus Sametime 7.5 Administrator's Guide*.

Chapter 3. Installing Sametime

This chapter describes the tasks and provides step-by-step instructions for installing and setting up IBM® Lotus® Sametime® on a Microsoft® Windows®, IBM AIX® or Solaris platform. Information about upgrading an existing Sametime server is also included.

IBM Lotus Sametime Installation Overview

The tasks listed here assume that you have installed a Domino 7.0 (or later) server. If you have not already done so, install and setup a Domino server before proceeding. For information on installing a Domino server, see *Installing Domino*.

Before You Begin

Before you begin installation:

1. Shut down the Domino server.
2. Review the information in the Domino server checklist to make sure you have the information you will need during the installation.
3. If you are installing on a UNIX system, review the information in *Setting the AIX or Solaris Environment* to make sure your system is ready for installation.
4. If you are using an LDAP directory instead of a Domino Directory, make sure you know the name of the LDAP server and the port number.

For more information about using LDAP directories with Lotus Sametime®, see the "Using LDAP with the Sametime server" chapter of the *IBM Lotus Sametime 7.5 Administrator's Guide*.

Types of Installation

Install the Sametime server using one of these three methods:

- Typical install on Windows or UNIX - Install using the wizard, providing input in dialog boxes when prompted.
- Silent install - Install without any intervention during the installation process; additional input is provided via an options file.
- Console install - Install using the wizard without the wizard dialogs; provide text input at the console when prompted.

Set up Lotus Sametime

After you have installed Lotus Sametime, you must set up the Sametime server minimally to ensure that the server installation is functioning properly. For complete information about setting up and configuring the Sametime server, see the *IBM Lotus Sametime 7.5 Administrator's Guide*.

1. Set up Domino Web SSO authentication between the Domino server and Sametime server.
2. If you are using a Domino Directory, populate the Domino Directory.
3. Verify the Domino Server document is configured correctly.
4. Test the Sametime server installation.
5. Start and Stop the Sametime server.

Installing the Instant Messaging Limited Use Version

The installation procedures described in this guide apply to both the full version of IBM® Lotus® Sametime® and the IBM Lotus Instant Messaging Limited Use version of Sametime. The Instant Messaging Limited Use version of Sametime ships to entitled Domino customers with Domino 7.0 (or later) servers. It is available only with Lotus Domino® and cannot be purchased separately. If you are installing the Instant Messaging Limited Use version of the Sametime server into a community that also includes the standard version of the Sametime server, see the topic "Using the IBM Lotus Instant Messaging Limited Use version of Sametime with standard Sametime servers" in the Sametime Administration Guide that is provided with the Instant Messaging Limited Use version of Sametime. This topic describes the configurations necessary to ensure that these two versions of the Sametime server can co-exist in the same community.

Installing Sametime on Windows Using the Install Wizard

If you get the message "Sametime 7.5 Server Requires IBM Lotus Domino" during installation, that means a Domino 7.x server was not found. Click **Cancel**, install the appropriate version of IBM® Lotus® Domino®, and then restart the installation.

To install Lotus Sametime® on Microsoft® Windows® :

1. Shut down the Domino server.
2. Insert the install CD. If you need help running the install CD, see the topic Running the Install Program.
3. Select the language to install.
4. At the Welcome screen click **Next**.
5. Read and accept the License agreement and then click **Next**.
6. If this is a new installation, continue to step 7. If you are upgrading from a previous version, choose how to upgrade your current version:
 - **Install new server** - Select this option to remove all existing data (including meeting information, contact lists and configuration settings) and begin with a clean installation of the Sametime server.
 - **Upgrade existing server** - Select this option to preserve your existing data and upgrade the existing instance of Lotus Sametime .
7. Specify the directory type you are using. If you select the LDAP directory as your directory type, you must also specify the name of the LDAP server and the port number. Click **Next**.

Note: If you are upgrading a server, this information will be selected for you. You can change the directory type if you choose to at this time.

8. For the field **Enable HTTP tunneling**, specify how you will connect to the Sametime server, and then click **Next**:
 - Check this box -- to tunnel all Sametime client data (except A/V data), to the Sametime server via HTTP on port 80. Use this option if Sametime clients must connect to the server through a network that blocks TCP communications on ports 8081 and 1533.
 - Uncheck this box -- if the Sametime clients communicate with the Sametime server Meeting Services on port 8081 and the Sametime server Community Services on port 1533.For more information about client connectivity issues, see the "Configuring Sametime Connectivity" chapter of the *IBM Lotus Sametime 7.5 Administrator's Guide*.
9. Review the summary information, and then click **Install**.
10. An information box informs you that the installation was successful. Click **Finish** to complete the installation and exit the install wizard.

Note: The Sametime 7.5 server installation automatically enables the Single Sign-On functionality on the Domino server. If you experience single sign-on or authentication problems following the Sametime

server installation, review the "Authentication by token using LTPA and Sametime 7.5 tokens" section in the "Working with Sametime 7.5 security" chapter of the *IBM Lotus Sametime 7.5 Administrator's Guide*.

Installing Sametime on UNIX Using the Install Wizard

If you get the message "Sametime 7.5 Server Requires IBM Lotus Domino" during installation, that means a Domino 7.x server was not found. Click **Cancel**, install the appropriate version of IBM® Lotus® Domino®, and then restart the installation.

To install Lotus Sametime® on a UNIX system:

1. Shut down the Domino server.
2. Insert the install CD. If you need help running the install CD, see the topic *Running the Install Program*.
3. Select the language to install.
4. At the Welcome screen click **Next**.
5. Read and accept the License agreement and then click **Next**.
6. Specify the Lotus Domino Directory. This information should be provided for you; verify or change this information. For partitioned servers, this is the Domino Directory for the instance of Lotus Sametime you are installing.
7. Specify the Domino data directory. This information should be provided for you; verify or change this information. For partitioned servers, this is the data directory for the instance of Lotus Sametime you are installing.
8. If this is a new installation, continue to step 9. If you are upgrading from a previous version, choose how to upgrade your current version:
 - **Install new server** - Select this option to remove all existing data (including meeting information, contact lists and configuration settings) and begin with a clean installation of the Sametime server.
 - **Upgrade existing server** - Select this option to preserve your existing data and upgrade the existing instance of Lotus Sametime.
9. Specify the following Domino server information:
 - **Domino UNIX User Name** - default is notes
 - **Domino UNIX Group** - default is notes
 - **Fully Qualified Domino Server Host name** - for example sametime.acme.com
10. Specify the fully qualified host name or dotted IP address and the port of the conversion services server. Note: The conversion services server must be a Windows server.
11. Specify the directory type you are using. If you select the LDAP directory as your directory type, you must also specify the name of the LDAP server and the port number. Click **Next**.
12. For the field **Enable HTTP tunneling**, specify how you will connect to the Sametime server, and then click **Next**:
 - Check this box -- to tunnel all Sametime client data (except A/V data), to the Sametime server via HTTP on port 80. Use this option if Sametime clients must connect to the server through a network that blocks TCP communications on ports 8081 and 1533.
 - Uncheck this box -- if the Sametime clients communicate with the Sametime server Meeting Services on port 8081 and the Sametime server Community Services on port 1533.
13. Review the summary information, and then click **Install**.
14. An information box informs you that the installation was successful. Click **Finish** to complete the installation and exit the install wizard.

Note: The Sametime 7.5 server installation automatically enables the Single Sign-On functionality on the Domino server. If you experience single sign-on or authentication problems following the Sametime server installation, review the "Authentication by token using LTPA and Sametime 7.5 tokens" section in the "Working with Sametime 7.5 security" chapter of the *IBM Lotus Sametime 7.5 Administrator's Guide*.

Running the Install Program

You start the Install program that launches the install wizard in one of these ways.

Windows

On Microsoft® Windows®, insert the IBM® Lotus® Sametime® Installation CD into the CD-ROM drive of the server. The CD loads and then the main dialog box displays. Choose the install options. If you are installing from an image that you have downloaded, extract the image and double click **Server\setupwin32.exe**.

AIX or Sun Solaris

On IBM® AIX® and Sun Solaris use these steps to launch the install wizard. Note that UNIX commands are case sensitive; type them exactly as shown.

1. Insert the Lotus Sametime Installation CD into the CD-ROM drive of the server or download the installation images.
2. Mount the CD on your server (to mount the CD manually, consult your system documentation):
AIX - Use the System Management Interface Tool (SMIT)
Solaris - Allow the Volume Management daemon to mount the CD on your server.

Note: If you are using a downloaded image for installation, extract the files to a temporary directory and continue to step 4.

3. Change the directory of the installation programs on the CD, using the following command, where /cdrom is your actual mount point:
`cd /<cdrom>/CD1/Server`
4. Start the installation process with this command, where platform is aix or solaris:
`./setup<platform>.bin`
For example:
`./setupaix.bin`

Using Silent Server Installation to Install Lotus Sametime

Use the IBM® Lotus® Sametime® silent server installation to install servers without any intervention during the installation process. In a typical (non-silent) install you provide input in dialog boxes during installation. However, silent (automated) server install does not prompt you for input. Instead, an options file provides the information for the install process. There is no need to monitor the installation or to provide additional input.

There are two steps to running a silent server install. First, you must edit the options file that is provided, to create a new options file customized to your environment and servers. Then, run the silent install, referencing the options file.

Creating an Options File for Silent Server Installation

An options file contains the literal values that are used during the install process. There are two default options files, options-windows.txt and options-unix.txt, located on CD1. These files contain some of the default installation options and paths; however you must supply some information in this file. You can customize this file by changing any of the default options.

After you have edited the options file that is appropriate for your operating system, make sure you save it to a new name. Then when you run the silent install, you reference the new options file.

1. Open the options file that is appropriate for your operating system:
Windows - options-windows.txt

UNIX - options-unix.txt

2. Modify the file as necessary, changing any of these options, and then save the file to a new name:

Options	Value
-V SAMETIME_LOCALE=en	Default: en (English) Specify the language to install using one of these options: en=English cs=Czech da=Danish nl=Dutch fi=Finnish fr=French de=German hu=Hungarian it=Italian no=Norwegian pl=Polish pt=Portuguese pt_BR=Brazilian Portuguese es=Spanish sv=Swedish tr=Turkish el=Greek ru=Russian ja=Japanese ko=Korean zh=Simplified Chinese zh_TW=Traditional Chinese
-V LicenseAccepted=false	Default: false You must change this option to true to accept the license agreement. Note: You must accept the license agreement to install Lotus Sametime.
-V UNIX_BinDir=/opt/ibm/lotus	Default: /opt/ibm/lotus For UNIX systems, if you installed Lotus Domino® in different directory, specify the directory.

Options	Value
-V UNIX_DataDir=/local/notesdata	Default: /local/notesdata For UNIX systems, if you installed Lotus Domino to a directory other than /local, specify the Notes data directory.
-V UPGRADE_SAMETIME=true	Default is true. Specify whether to upgrade all existing Sametime data (including meeting information, contact lists and configuration settings): True - to preserve Sametime data False - to remove Sametime data and perform a clean install
-V DIRECTORY_TYPE=DOMINO	Default: Domino Specify the directory type that you will use. Options are: DOMINO - to use the Domino Directory LDAP - To use an LDAP directory
-V LDAP_SERVER=ldapsrvr.name.domain.com	If you are using an LDAP server, specify the name of the server.
-V LDAP_PORT=389	Default: 389 Use 389 to use the industry standard port for LDAP connections over TCP/IP. You can specify a different port, but 389 works in most situations.
-V UNIX_UserName=notes	Default: notes Domino runs as this user. Specify the same user name that was used to configure Domino at installation time. This must not be root. The default user name is notes.
-V UNIX_GroupName=notes	Default: notes Domino runs as this group. Specify the same group name that was used to configure Domino at installation time. The default group name is notes.
-V UNIX_ServerName=stserver.name.domain.com	Specify the fully qualified name of the server on which you are installing Lotus Sametime. For example: st1north.lotus.com Where: server.name - is the name of the server (can be a single name as in the example above) Domain - is the name of the Domino domain
-V Conv_Hostname=convserver.name.domain.com	Specify the fully qualified host name or dotted IP address of the conversion services server. The conversion services server must be a Windows server. Note: This setting is ignored when installing the Sametime Instant Messaging Limited Use version.

Options	Value
-V Conv_Port=80	Default: 80 Specify the port number of the conversion services server. Note: This setting is ignored when installing the Sametime Instant Messaging Limited Use version.
-V SINGLE_PORT_MODE=false	Default: false Change this option to true if you want to set tunneling to port 80.

Performing the Silent Install

To perform a silent install using an options file, use the launch command specific to your operating system, and specify the `-silent` and `-options` parameters, as well as the full path to the options file. Launch the silent install from the directory in which the launcher is located. The format for the launch command is as follows:

```
<InstallLauncher> -silent -options <optionsfilename>
```

Where:

InstallLauncher - is the launch command for the platform on which you are installing Lotus Sametime.

Optionsfilename - is the name of the edited options file for the platform on which you are installing Lotus Sametime.

For example, to launch a silent install on a windows system, type this command from the directory in which the launcher is located:

```
.\setupwin32Console.exe -silent -options options-windows.txt
```

Note: UNIX commands are case sensitive.

The launch commands and option file names for each platform are listed in the table below.

Platform	Launch Command	Options File
Microsoft® Windows®	.\setupwin32Console.exe	options-windows.txt
IBM AIX®	./setupaix.bin	options-unix.txt
Sun Solaris	./setupsolaris.bin	options-unix.txt

Determining if Silent Install Was Successful

The launcher program indicates whether the silent install was successful by providing an exit status and logging errors in the `stsetup.log` and `SametimeInstall.log` files. If the exit status of the launcher and the contents of `stsetup_exit_status.txt` are both 0, the installation was successful. If either of these values are anything other than 0, the install was not successful and you should check the log files for information.

Note: In previous versions of Sametime, the install log filename was `log.txt`. This has changed to `SametimeInstall.log`.

Using Console Server Installation to Install Lotus Sametime

Use the IBM® Lotus® Sametime® console server installation to install servers at the console keyboard without using the install shield's graphical user interface. During a typical install, a series of dialog boxes prompt you for input, which you provide by making selections in the dialog boxes. During a console server install, a text-only version of the install shield prompts you for the same information you would provide during a typical install using the wizard dialogs. However, you type your answers at the keyboard rather than using the graphical user interface.

Note: If you are unsure of what information will be needed during this install, see these topics:

- Domino Server Checklist
- Installing Lotus Sametime Using the Install Wizard
- Setting the IBM AIX® or Solaris Environment (UNIX platforms only)

Performing a Console Install

To perform a console install use the `-console` parameter. From the directory in which the launcher is located, enter the command in the format shown in the example:

```
<InstallLauncher> -console
```

Where:

InstallLauncher - is the launch command for the platform on which you are installing Lotus Sametime:

Platform	Launch Command
Microsoft® Windows®	setupwin32Console.exe
IBM® AIX®	./setupaix.bin
Sun Solaris	./setupsolaris.bin

Note: UNIX commands are case sensitive.

Navigating the Console Install

- The default value for each question is enclosed in square brackets.
- If your answer is a number, such as 1 or 2, after you type your number selection, type 0 to move to the next question.
- Pressing 5 cancels your current answer and redisplay the question so that you can provide a new answer.

In the following example, Domino Directory is the default, indicated by [X]. To accept the default and move to the next question, you type 0. To change the option, type 2, and then type 0 to move to the next question.

```
IBM Lotus Sametime 7.5 - InstallShield Wizard
```

```
Select the directory to use for collaboration.
```

```
[X] 1 - Domino Directory
```

```
[ ] 2 - LDAP Directory
```

```
To select an item enter its number, or 0 when you are finished: [0]
```

In some instances, where the answer is text you enter, such as the name of a directory, you press 1 to accept the default. You do not need to press 0 to continue to the next question. In the following example, the default directory is filled in for you, so you simply press 1 to accept the default and continue to the next question.

```
Select Destination Directory [/local/notesdata/]
```

Press 1 for Next, 2 for Previous, 3 to Cancel or 5 to Redisplay [1]

CAUTION:

Pressing 3 cancels the installation, it does not cancel the answer to this question. Use 5 to redisplay the question if you want to change your answer.

Setting the Environment for Remote Installation

If you are installing IBM® Lotus® Sametime® remotely, your Domino server requires these additional setup steps.

X-Windows Environment

To install Lotus Sametime from a remote Microsoft® Windows® workstation, you must install the X-Windows Environment on the remote workstation:

1. Install cygwin from www.cygwin.com
2. Select and install the X11 packages during the cygwin installation

Make sure the X-Windows session is running:

1. Launch the cygwin bash shell
2. In the bash shell that is launched, type the following:
`startx`
3. In the X-Windows session that is created when you type this command, type:
`xhost +`

AIX or Solaris Environment:

On IBM® AIX® or Sun Solaris, you must verify that the DISPLAY environment variable is set (this is required for a remote installation). To do so, type the following:

```
echo $DISPLAY
```

This should return the IP address of the remote workstation. For example:

```
> echo $DISPLAY  
> 9.41.113.167:0.0
```

To set the DISPLAY environment variable, use the IP address of the workstation followed by :0.0. For example:

```
> DISPLAY=9.41.113.167:0.0  
> export DISPLAY
```

Installing Sametime on Domino Partitioned Servers

This section provides installation and setup information for configuring IBM® Lotus® Sametime® in a Lotus Domino® partitioned server environment.

Note: Installing Lotus Sametime in a Microsoft® Windows® environment on a partitioned server is unsupported.

Pre-Domino Installation

Follow these steps before installing the Domino server (IBM AIX® or Solaris only):

1. Ensure that each partitioned server has a unique IP address. You can map multiple IP addresses to one network card using the `ifconfig` command.
The syntax is:

```
ifconfig<device> alias <new IP address> netmask <subnet>
```

For example:

```
ifconfig en0 alias 9.3.187.209 netmask 255.255.255.128
```

2. Ensure that each partitioned server has a DNS name that maps to its unique IP address. If a DNS name can be resolved to multiple IP addresses, be sure to read the "multi-homed" notes in this procedure.
3. **Recommendation** - It is recommended (but not required) that each partitioned server be run by a unique user account. Create a new UNIX Notes user for each partitioned server that you plan to install. You can use a single notes group for all partitions.

Domino Installation

When installing Lotus Domino:

1. When prompted to install more than one Domino server on this computer, click **Yes**.
2. When prompted for the location of the data directory and the Notes user account, be sure to specify a unique location for the data directory and the appropriate user name for each partitioned server.

Domino Configuration

To configure Lotus Domino:

1. After installation, configure each server using the notes user account. For example, log in as **notes** and run `/opt/lotus/bin/server` to configure the first server. Then log out, log in as **notes2** and configure the second server, and so on.
2. During configuration, make sure that any field referring to the server's name or IP address is set up properly. By default, the IP address and server name fields for each configuration contain the IP address and server name of the first server. For each additional server, you must update these fields so that they are appropriate for that partition.
3. After configuration for each server is complete, start the Domino server.
4. Open a browser and go to server's Domino Directory (usually names.nsf).
5. Open the Server document for this particular Domino server.
6. Choose the **Internet Protocols > HTTP** tab. Fill in the **Host name** with the fully qualified name of the server, and then enable **Bind to host name**.
Multi-homed - Do not enter the Host name; instead enter all IP addresses into the **Host name** field.
7. Open the notes.ini file and add the following field:
TCPIP_TcpIpAddress=0,(server_ip):1352
8. Repeat steps 3-7 for each partitioned server.

Verify Domino Installation

1. Start each partitioned Domino server, one at a time.
2. Verify each server has successfully started.
3. Verify no errors are reported.
4. Stop each Domino server.
5. Proceed to Sametime server installation.

Sametime Installation

1. Run the Lotus Sametime installation program. When prompted, select the data directory and user account for the first partitioned server.
2. After the installation is complete on the first partitioned server, install Lotus Sametime on each additional Domino partitioned servers, substituting the data directory and user account for each partitioned server.

Broadcast Server - Bind to All IPs

By default the Broadcast Server binds only to a single IP address and port. If multiple IP addresses resolve to the same DNS name, you need to either configure a specific IP address to use, or specify that the broadcast server bind all IP addresses. Use one of these procedures:

Configure a specific IP address to use:

1. Start the Sametime server. Go to the Sametime Welcome page and click **Administer the Server**.
2. Click **Configuration > Connectivity**.
3. For the field **Broadcast gateway address for client connections**, enter the specific IP Address you wish to use for Broadcast connections.

Specify the broadcast server bind to ALL IP addresses on the server:

1. Open the meetingserver.ini file.
2. Under [SOFTWARE\Lotus\Sametime\BroadcastGateway\DBNL] change the entry IPBindAll=0 to IPBindAll=1.

Sametime Configuration - Trusted IPs

When the Sametime server installations are complete, you must configure Lotus Sametime so that the IP addresses associated with all network interfaces on the server that hosts the partitioned Sametime servers are known as trusted IP addresses by each Sametime server that operates on each partition. To configure Lotus Sametime, complete the steps below for each partitioned server:

1. Edit the sametime.ini file.
2. Under [CONFIG] add:
VPS_TRUSTED_IPS=<comma-separated list of dotted IP addresses for all network interfaces on this server>.
For example:
VPS_TRUSTED_IPS=5.55.251.231,6.66.251.232,7.77.251.233,8.88.251.234,9.99.251.238
3. Using a Lotus Notes client, open the Sametime Configuration database (stconfig.nsf) of the Sametime server.
4. Modify **Community Trusted IPS** to equal the comma-separated list of the dotted IPv4 addresses for all network interfaces on this server.

Sametime Configuration - Connectivity

To configure Lotus Sametime connectivity, complete the steps below for each partitioned server:

1. Start the Sametime server.
2. On the Sametime Welcome page, click **Administer the Server**.
3. Click **Configuration > Connectivity**.
4. Enter the fully qualified Domain name for this partition in each **Host name** field. (See the table below for reference.)
Multi-homed - For the fields, **Address for client connections** and **Address for HTTP tunneled client connections**, specify a dotted IPv4 Address to which your fully qualified Domain name resolves.
5. Change the **Event Server port** and the **Token Server port** for each additional partition that you install. Ensure that the values are unique and that they are not in use by another Sametime server or process. It is recommended that you use ports above 9098. (See the table below for reference.)
6. Click the Update button and restart the Sametime server for the changes to take effect.

Field	Description
Community Services Network > Address for server connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition.

Field	Description
Community Services Network > Address for client connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition. Multi-homed - enter an IP address to which the fully qualified DNS name resolves.
Community Services Network > Address for HTTP-tunneled client connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition. Multi-homed - enter an IP address to which the fully qualified DNS name resolves.
Meeting Services Network > Address for server connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition.
Meeting Services Network > Address for client connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition. Multi-homed - enter an IP address to which the fully qualified DNS name resolves.
Meeting Services Network > Address for HTTP-tunneled client connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition. Multi-homed - enter an IP address to which the fully qualified DNS name resolves.
Meeting Services Network > Event server port	Enter a unique port number for this value. The port you enter must not be used by any other Sametime server on this computer or by any other process running on this computer for any purpose. This port should be used only as the Event server port by one Sametime server running on one Domino partition. IBM Lotus software recommends using Ports above 9098.
Meeting Services Network > Token server port	Enter a unique port number for this value. This port must not be used by any other Sametime server on this computer or by any other process running on this computer. This port should be used only as the Token server port by one Sametime server running on one Domino partition. IBM Lotus software recommends using Ports above 9098.
Broadcast Services Network > Broadcast gateway address for client connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition. Multi-homed - enter an IP address to which the fully qualified DNS name resolves.
Broadcast Services Network > Broadcast gateway address for control connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition.
Broadcast Services Network > Address for HTTP-tunneled client connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition. Multi-homed - enter an IP address to which the fully qualified DNS name resolves.
Interactive Audio/Video Network > H.323 server communication address > Host name	Enter the fully qualified DNS name of the Sametime server on this partition.
Interactive Audio/Video Network > TCP tunneling address for client connections > Host name	Enter the fully qualified DNS name of the Sametime server on this partition. Multi-homed - enter an IP address to which the fully qualified DNS name resolves.

Field	Description
Interactive Audio/Video Network > Multimedia control address > Host name	Enter the fully qualified DNS name of the Sametime server on this partition.

Upgrading to Sametime 7.5

IBM® Lotus® Sametime® 7.5 supports upgrades of Lotus Sametime 3.1, 6.5.1, or 7.0. You can use any of the installation methods described in this guide to upgrade these versions of Lotus Sametime. However, if your current version is installed on a version of Lotus Domino® earlier than 7.0, you must upgrade the Domino server to at least 7.0 before upgrading your current installation of Lotus Sametime to 7.5.

During Lotus Sametime installation (upgrade), you will have the option of preserving your existing Sametime data, which includes meeting information, contact lists and configuration settings, or overwriting this information.

For versions of Lotus Sametime prior to 3.1, you must you must uninstall the earlier version before installing a 7.5 version.

Completing the Upgrade Process

If your users have stored privacy information ("who can see me") from your earlier release of Sametime, then you need to migrate this information by running a utility after upgrading to Sametime 7.5. Privacy information from the earlier release will not be used unless it is migrated. For more information, see Technote 1242317 "Migrating privacy data after upgrading to Sametime 7.5." This Technote is available at <http://www.ibm.com/software/support>.

Setting up Domino Web SSO Authentication Between the Domino Server and Sametime Server

IBM® Lotus® Domino® single sign-on (SSO) authentication allows Web users to log in once to a Domino or WebSphere server, and then access any other Domino or WebSphere server in the same DNS domain that is enabled for single sign-on (SSO) without having to log in again. In a multiple server environment, it is possible that one or more servers in your Domino domain are already configured for Domino SSO, and the Domino Directory already contains a Domino Web SSO configuration document. When you install Lotus Sametime®, it creates a Web SSO configuration document called LtpaToken unless one already exists in the Domino Directory. If an LtpaToken configuration document already exists, Lotus Sametime does not attempt to alter it.

Configure the Domino Server for Web SSO

Complete the steps in this section if your Domino server is not configured for Web SSO, and you want to use the Web SSO document that Lotus Sametime creates to configure it.

1. From the Domino Administrator or a Lotus notes client, File - Database - Open. Browse to the Domino server and type names.nsf in the Filename field. Click Open.

Note: If you attempt to open this document from Domino Administrator Configurations tab, Web - Web Configurations view, the Web SSO Configuration document will not display.

2. Expand the list of Web SSO Configurations.
3. Double click the "Web SSO Configuration for LtpaToken" document to open it in edit mode.
4. Update these fields as necessary:
 - Configuration name -- Enter LtpaToken.

- DNS Domain -- make sure this is the fully qualified domain suffix of the Sametime server. For example, if the server's fully qualified name is server.domain.com, the .domain.com should be entered in this field. Ensure that the leading period (.) is present in front of the domain suffix.
 - Organization -- Leave this field blank.
 - Participating servers -- Add the Sametime server and other servers that belong to the SSO realm to the list.
5. After entering the information, select Keys and do one of the following:
- Create a Domino SSO Key
 - If you are using WebSphere in your environment, select Import WebSphere LTPA Keys, and then enter the LTPA Token password.

Note: When adding servers to the Participating servers field, click the arrow and choose the name from an Address Book when possible. If this is not possible, make sure that you use the full hierarchical name when you add a server (for example, Server1/Acme where CN=Server/O=Org).

Note: If you import a WebSphere LTPA Token, a field displays the LDAP server name and port. Make sure that there is a backslash (\) before the port number. For example, ldap.domain.com\ :389.

Configuring the Sametime Server to Access the LDAP Directory

If you selected LDAP as the directory type, you must configure the Sametime server so that it has access to the LDAP directory, using the information and procedures in these topics:

- Troubleshooting LDAP Configuration
- Alter the Directory Assistance document
- Configure the LDAP Directory settings

The Sametime server can connect to multiple LDAP servers. If you need to create a connection to an additional LDAP server, see the topic "Adding or removing an LDAP server" in the "Using LDAP with the Sametime server" chapter of the *IBM Lotus Sametime 7.5 Administrator's Guide*.

Troubleshooting LDAP Configuration Information

When configuring IBM® Lotus® Sametime® to work with LDAP, you will see several messages indicating that Lotus Sametime services have failed. These messages are normal, and should not impede the LDAP configuration. To ensure that Lotus Sametime works with LDAP directories, install and start the Sametime server. When you see the failure messages, ignore them and continue the setup process. Then restart the Sametime server.

If the Lotus Sametime failures cause a problem (for example, if you are unable to create the Directory Assistance database), follow the steps below to start the necessary portions of the Domino server and complete the LDAP configuration:

1. Stop the Sametime server.
2. Remove "staddin" from the "Tasks" list in the Sametime server's notes.ini file.
3. Start the server.
4. Make all necessary configuration changes to the Directory Assistance document and Sametime Configuration databases.
5. Stop the server.
6. Put "staddin" back in the "Tasks" list in the Sametime server's notes.ini file.
7. Start the server.

Altering the Directory Assistance Document

This procedure is the first of two procedures you must complete to set up an LDAP connection from the Sametime server to an LDAP server.

The Sametime server installation creates a Directory Assistance database (da.nsf) on the Sametime server. This database contains a Directory Assistance document that enables the Sametime server to connect to the LDAP server in order to authenticate Web browser users. To ensure that the "Base DN for search" setting in this Directory Assistance document is set appropriately for the LDAP directory used in your environment, follow these steps:

1. From the IBM® Lotus® Notes® client, click File - Database - Open.
2. Select the Sametime server.
3. Select the Directory Assistance database (da.nsf), and then click Open.
4. Double-click the name of the Directory Assistance document for the LDAP server to open the document.
5. Click the LDAP tab.
6. In the "Base DN for Search" field, enter one of the following, based on the type of LDAP directory used in your environment:
 - Domino Directory - In Domino Directory LDAP environments, leave this field blank.
 - Microsoft® Exchange 5.5 directory - An example value is "OU=ServerName,O=NTDomainName," where ServerName is the Windows server name and NTDomainName is the Windows NT Domain (for example, OU=Acmeserver1,O=NTAcmedomain). This example assumes that the directory is using the default directory schema. If you have changed the schema of the Microsoft Exchange 5.5 directory, the entry in this field must reflect the new schema.
 - Microsoft® Active Directory -- An example value is "DC=DomainName, DC=com."
 - Sun One Directory server -- Use the format O= followed by the organizational unit that was specified during the server setup. If you are uncertain about this entry, use the administrative features of the server to determine the appropriate entry.
 - IBM® SecureWay® Directory Server- An example value is "DC=DomainName, DC=com."
7. Click Save and Close to save the Directory Assistance document.

Configuring the LDAP Directory Settings

This procedure is the second of two procedures you must complete to set up an LDAP connection from the Sametime server to an LDAP server.

Configure the LDAP Directory settings to ensure that the Sametime server can search and authenticate against entries in the LDAP directory. You use the Sametime Administration Tool to configure the LDAP Directory settings.

Follow the steps below to open the Sametime Administration Tool and configure the LDAP Directory settings:

1. From a Web browser, type the following address, where *servername.domain.com* is the fully qualified name of your Sametime server:
`http://servername.domain.com/stcenter.nsf`
2. Click "Administer the Server."
3. Select LDAP Directory.

Note: If you see a Domino Directory option instead of LDAP Directory, you must restart your Sametime server so that the changes you made to the Configuration database take effect. If this setting is still Domino Directory after restarting the server, rerun the Sametime installer and make sure that LDAP is chosen as the directory type.

4. Modify the LDAP Directory settings to match your LDAP environment.

For detailed information about configuring the LDAP Directory settings, see the topic "LDAP directory settings" in the "Using LDAP with the Sametime server" chapter of the *IBM® Lotus® Sametime® 7.5 Administrator's Guide*.

Populating the Domino Directory

It is necessary to populate the Domino Directory only if you have selected the Domino Directory as the user repository and have installed the Domino server as the first server in a Domino domain. In this scenario, the directory will not include any users other than the Domino Administrator, so you must create the Sametime community by adding users to the directory.

To add a Sametime user to the Domino Directory, you must create a Person document for the user in the directory that includes (at minimum) a Last Name, a User Name and an Internet password. You can use any of the following tools to populate the Domino Directory:

- An IBM® Lotus® Notes® client
- A Lotus® Domino® Administrator client
- The Sametime server self registration feature

For detailed information about adding users, see "Managing users in the Domino Directory" in the "Using Domino Directories" chapter of the *IBM Lotus Sametime 7.5 Administrator's Guide*.

In a New Domino Domain

When you set up a Domino server in a new Domino domain and add Lotus Sametime:

- There are no users in the Domino Directory at the time the server is created.
- The server is in its own Domino domain (also known as a Sametime Community) and cannot access Domino servers outside the Sametime Community. You cannot establish a connection to any existing Domino mail or application servers outside of this community.
- You can add new users after initial setup by using the Sametime Administration Tool, connecting to an LDAP directory server, or enabling self-registration and allowing users to register themselves. Using the Sametime Administration Tool or self-registration will create person documents in the Domino Directory, but neither of these methods will create Notes user IDs for the Sametime users. For more information about using the Sametime Administration Tool or allowing self-registration, see the *IBM Lotus Sametime 7.5 Administrator's Guide* (sthelapad.pdf or sthelapad.nsf).
- Users only see other users online if they are registered in the same community.
- You can create additional Sametime servers and add them to this Sametime Community to balance the Meeting Services load and distribute users among the Sametime servers to balance the Community Services load.

In an Existing Domino Domain

When you add a Domino server to an existing Domino domain and then add Lotus Sametime:

- Users from the Domino Directory appear in the directory on the Sametime server. However, before they can use Lotus Sametime, you need to update each entry to specify their home server and Internet password. In this case, self-registration should not be enabled since duplicate IDs for the same users might be created.
- The Domino Directory is shared by servers in the Domain. Users can access the directory from the Lotus Sametime Web interface and change settings. This way of setting up a Domino server poses a greater security risk than setting up a new Sametime server in its own community.
- You add new Sametime users after the initial setup by replicating your directory from the Domino server to the Sametime server. You should not replicate from the Sametime server to the Domino server.
- Users can see all members registered in the Domino Directory and determine if they are online.

Verifying the Domino Server Document Settings

After installing both the Domino server and IBM® Lotus® Sametime®, the Domino Server document is usually configured for Lotus Sametime using the defaults. However, you must manually add the information in some fields to complete the configuration. Edit the Domino Server document on the Sametime server, making sure the fields are completed as described in the steps below.

Edit the Server Document

1. Open the Domino® Administrator client on your Microsoft® Windows® machine and click the Configuration tab.
2. Expand the Server section and then click All Server Documents.
3. Open the Server document for the Domino server on which you are installing Lotus Sametime. Use the table below to verify the appropriate values for the fields in the Server document.

Basics tab	Action
Fully qualified Internet host name	This field is completed after Domino server install, and should contain the fully qualified host name as known by the DNS server. In a test environment, the local hosts table can be used as well as DNS. Note: This CANNOT be a numeric IP address.
Load Internet configurations from Server\Internet Sites documents	Disabled
Directory Type	Make sure this field says "Primary Domino Directory." If this field contains "Configuration Directory," shutdown the Domino server and replicate names.nsf from a master server. Master servers have a Directory Type of Primary Domino Directory. If you are unsure about a server, check the Directory Type field in the Server document.
Security tab	
Administrators	This field is completed after Domino server install, and should contain the name of the Sametime administrator. If not, click the arrow to select a name from an address book.
Internet authentication	Default is Fewer name variations with higher security, the recommended setting for tighter security. Select More name variations with lower security if Domino Directory authentication is being used and you want users to be able to use short names.
Access server	Leave this field blank if possible. If you do include entries, you must add the following to the list of trusted directories: Sametime Development/Lotus Notes Companion Products
Run unrestricted methods and operations	After you install the Sametime server, this field should include these entries: <ul style="list-style-type: none"> • The name of the server • The name of the administrator • Sametime Development/Lotus Notes Companion Products
Ports - Notes Network Ports tab	
Port	TCPIP Note: This must be typed <i>exactly</i> as shown in all uppercase letters or you will not be able to add Lotus Sametime to this server.
Protocol	TCP

Basics tab	Action
Net Address	The fully qualified host name known by the DNS server (this should be the fully qualified Internet host name on the Basics tab above). For example, stdom1.acme.com. Note: This CANNOT be a numeric IP address.
Enabled	Enabled
Ports - Internet Ports - Web tab	
TCP/IP port number	80 (or 8088 if tunneling is being used)
TCP/IP port status	Enabled
Name & password	Yes
Anonymous	Yes
Internet Protocols - HTTP tab	
Host name	The fully qualified host name as known by the DNS server (this should be the fully qualified Internet host name on the Basics tab above). For example, stdom1.acme.com. Note: This CANNOT be a numeric IP address.
Bind to Host name	Disabled (default)
Allow HTTP clients to browse databases	Yes (enable) for portals, otherwise, not necessary Enable -- in IBM i5/OS [®] configurations Disable -- in IBM AIX [®] , Sun Solaris, or Microsoft [®] Windows [®] configurations
Home URL	/stcenter.nsf Note: This field is not configured during Lotus Sametime installation. Make sure to enter this information to point users to the online meeting center.
DSAPI filter file names	If this field is set to NDOLEXTN (Domino Offline Services), remove the value and leave this field blank.
Internet Protocols - Domino Web Engine tab	
Session Authentication	Multiple Servers (SSO) If single sign on (SSO) is not being used, you can change this to single-server.
Web SSO Configuration	LtpaToken Note: This field is not configured during Lotus Sametime installation. Make sure to enter this information.
Java [™] servlet support	Domino Servlet Manager

4. If you make changes, click **Save and Close**.
5. Stop and restart the Domino server for the changes to take effect.

Testing the Sametime Server

Once the server is set up, use the following procedures to ensure that IBM[®] Lotus[®] Sametime[®] is functioning properly.

For Instant Messaging Limited Use servers

This version of Sametime is available only from within Lotus Notes in a Domino environment. Therefore, you should use a Lotus Notes client to validate that instant messaging is working correctly.

The instant messaging settings in your Notes Location document specify the name of the Sametime server to connect to, the port, and the connection method (protocol). These settings can be defined when you install the Notes client (in this case, the settings are written to all Location documents) or at any point during a Notes session.

For more information on the instant messaging settings, refer to the Notes Help topic "Connecting to a Lotus Sametime server."

For information about logging on to the Sametime server and starting a chat, refer to the Notes Help topic "Instant messaging."

Validate Creating a New Meeting

Use this procedure to create a new meeting. For more detailed information, click the Help link on the left side of the New Meeting page in the Meeting Center.

1. Log in to Lotus Sametime.
2. From the Sametime Welcome page, click **Schedule a Meeting**.
3. On the **New Meeting** form, specify a name for the meeting.
4. For **When**, check Start Now.
5. Click the **People** tab. Your name should be in the **Chair** field.
6. Click **Save**, and the meeting starts.
7. Click **Attend the meeting**.

Test Meeting Tools and Settings

To test whether your browser is set up properly for running meetings, and to validate that tools, such as screen sharing and audio and video tools are working, follow these steps.

1. Log in to Lotus Sametime.
2. From the Sametime Welcome page, click **Schedule a Meeting** or **Attend a Meeting**.
3. From the left navigation panel, click **Test Meeting**.
4. Review the information on the page that displays.
5. Click **Test My Browser** to launch a test meeting.
6. Click any of the tabs, such as **Sharing** or **Whiteboard**, to test these capabilities.
7. Click **Help > Help Topics** from the test meeting menu for more information about setting up meetings.

You have completed the procedures required to install Lotus Sametime on Lotus Domino®. Users in the Sametime community can now use the Meeting Center to create and attend online meetings. Next, you need to copy the Lotus Sametime Connect client to the Sametime server so that users in the Sametime community can download and install it from the Sametime Welcome page. After users have installed Sametime Connect, they can also start to use instant meetings and chat with others in the community.

Downloading and Installing the Lotus Sametime Connect Client

Users can download and install the IBM® Lotus® Sametime® Connect client themselves from the Sametime Welcome page, using the procedures listed here. You may want to distribute the instructions for downloading and installing the Lotus Sametime Connect client to your end users.

Before using Lotus Sametime Connect, each user must have an Internet password in their Person Document in the Domino Directory or stored in the LDAP Directory. Internet passwords are required to log on to Lotus Sametime Connect. You may need to inform users of their Internet passwords.

Before Users Can Install Sametime Connect

After you complete the installation of the Sametime server, copy the contents of the `sametimeclient` directory on the CD (or online) to the `sametimeclient` directory on the Sametime server. This ensures that `buildinfo.txt` and the client installation files are on the server. If you do not copy the client installation files to the server, users will not be able to download and install the client files from the Sametime Welcome page.

The `sametimeclient` directory is available on the Lotus Sametime Connect Client CD and from the Passport Advantage site or the PartnerWorld site. There are two different client installation files:

Microsoft® Windows® :

`sametime-connect-win-7.5.0.exe`

Linux (IBM® AIX® and Solaris):

`sametime-connect-lin-7.5.0-1.i386.rpm`

Copy or download the client files into the `<datadir>\domino\html\sametime\sametimeclient` directory on the Sametime server. Note that there are place-holder files with these names in the directory; you must replace them with the real ones.

The default location on a Windows server is:

`c:\program files\lotus\domino\data\domino\html\sametime\sametimeclient`

The default location for AIX and Solaris is:

`/local/notesdata/domino/html/sametime/sametimeclient`

To verify that you've copied the files correctly, go to the Sametime Welcome page on your server, and follow the download links to download the client files for all platforms.

Downloading Lotus Sametime Connect client

To download the Lotus Sametime connect client files from your server, follow these steps:

1. Using a Web browser, open the Sametime Welcome page (`stcenter.nsf`) on your Sametime server. For example, if your Sametime server host name is `stserver.com`, you open <http://stserver.com/stcenter.nsf>.
2. Click the **Download Lotus Sametime Connect 7.5 Client** button to display the Lotus Sametime Connect download page.
3. Click the **Download Lotus Sametime Connect** link for your operating system to download the client install package to your local drive.
4. Follow the instructions below to install the Lotus Sametime Connect client (these instructions are also on the download page).

Note: The first time you launch Lotus Sametime Connect, you need to enter the host name of your Sametime server. Use the name of the server from which you downloaded the files, unless your administrator has instructed you to use a different server.

Installing Lotus Sametime Connect on Windows

1. Double-click the install program (`sametime-connectclient-win-7.5.0.exe`) to begin the installation.
2. Enter the required information.
3. The install program will create a Lotus Sametime Connect icon on your Windows desktop.

To uninstall Lotus Sametime Connect, use the Windows Add-Remove Programs utility.

Installing Sametime Connect 7.5 on Linux

1. As a superuser (for example, while logged in as root), run the install program using the following command:

```
rpm -i sametime-connect-lin-7.5.0-1.i386.rpm
```

2. Launch Sametime using the following command:

```
/usr/bin/sametime
```

To uninstall Sametime Connect, log in as root and use the following command:

```
rpm -e sametime-connect-lin-7.5.0-1
```

Starting and Stopping the Sametime Server

IBM® Lotus® Sametime® is installed on a Domino server; therefore, when you start or stop the Domino server, you are starting and stopping the Sametime server as well.

On Windows

To manually start or stop the server from the Microsoft® Windows® desktop:

1. Select **Start > Administrative Services > Component Services**.
2. In the Services dialog box, select **Services (Local)**. Right-click **Lotus Domino Server (LotusDominoData)** and select **Start** .

Tip: Another way to start the server is from **Start > Programs > Lotus Applications > Lotus Domino Server**.

Starting a Sametime Server on AIX or Solaris

To start a Sametime server on IBM® AIX® or Sun Solaris:

1. Log in to the system as the default Domino user. Make sure the default path and environment are set correctly.
2. Start the Sametime server by issuing the following server command. Note that starting the Sametime server might take a few minutes.

```
./ststart
```

The "ststart" script file sets some important environment variables before launching the server executable (/opt/ibm/lotus/bin/server).

Note: You can set up the Domino server to launch Sametime automatically. For information on how to do so, see the topic "Running Sametime on AIX and Solaris" in the Lotus Sametime Administrator's help.

Stopping a Sametime Server on AIX or Solaris

To stop a Sametime server, you shut down the Domino server on which Lotus Sametime is installed:

1. Return to the terminal session where Domino® was started.
2. If the prompt character > is not present, press the **Enter** key once to be presented with a prompt character. Then type either **exit** or **quit** and press the **Enter** key.

It might take a few minutes for the Domino server (which is also the Sametime server) to shut down.

Troubleshooting the Server Shutdown

When shutting down the Sametime server, the Domino console might report a fatal error and freeze all threads. If this problem occurs, follow the steps below to continue the shutdown.

1. Log in as the root user. Run the following command. Use the optional -nolog flag to prevent an nsd kill log file from being created.

```
$ /opt/lotus/bin/nsd -kill [-nolog]
```

2. If the Domino console is still frozen, run the following set of commands:

```
$ ps -u notes | tail +2 | awk '{print $2;}' | xargs kill -9
```

This series of commands will kill all processes owned by the Notes user.

Uninstalling the Sametime Server

When you remove IBM® Lotus® Sametime® from a Domino server, all Lotus Sametime files that were added to the Domino installation are removed with the exception of files that are created while running Sametime. Updates that were made to the address books (including person documents, server documents, and changes to the Access Control List) are not removed. To completely remove Lotus Sametime, you must uninstall Domino as well, and also both the Lotus directory and the Notes data directories.

Before you uninstall the Sametime server, it is always good practice to back up any important files.

Windows

1. Stop the Domino (Sametime) server.
2. From the Microsoft® Windows® Start menu, select **Settings > Control Panel > Add/Remove Programs**.
3. Select **IBM Lotus Sametime 7.5** from the list and click **Add/Remove**. Click **Yes** when prompted to remove the Sametime server.
4. When the Windows uninstall program completes, click **OK** to exit the uninstall program.

AIX and Solaris

1. Stop the Domino (Sametime) server.
2. Change to the following directory:
<datadir>/_uninstst
3. Start the uninstall using the following command:
./uninstaller.bin

Chapter 4. Troubleshooting

This chapter contains information about problems that you may encounter when you are installing or running IBM® Lotus® Sametime®.

If you need to verify which version of the Sametime Server you have installed, open your browser and in the Address field, type: <http://servername.domain.com/Sametime/buildinfo.txt>. Substitute your Sametime server's name for *servername.domain.com*.

Troubleshooting Sametime Installation

Many of these solutions reference Technotes. You can check for Technotes at <http://www.ibm.com/software/support>.

Problem

You have just installed IBM® Lotus® Sametime® 7.0, but the Sametime 7.0 Meeting Server services fail to start. You see the following in the Misc Events view in the log.nsf:

```
05:53:43 Sametime 7.0 Server: Running
05:53:49 Finished updating usage statistics
05:54:33 Sametime 7.0: Service failed to initialize in allowed time
05:54:33 Sametime 7.0: Service [Java Services] failed to start.
05:54:33 Sametime 7.0: One or more services failed to start.
05:54:33 Sametime 7.0: Server startup failed. Shutting down...
05:54:33 Sametime 7.0: Stopping services.
```

Solution

If you are installing on the IBM AIX® or Sun Solaris platforms, please check the following: Create a new Directory Assistance database and add the filename to the Sametime 7.0 Server document. Create a new LDAPServer form in the Sametime 7.0 Configuration (stconfig.nsf) database. Please refer to Technote 1098735 for common resolutions to these types of issues.

Problem

You see error messages similar to the following while attempting to start the stmux directly:

```
$ stmux exec(): 0509-036 Cannot load program stmux because of the following errors:
0509-150 Dependent module libvpk.so could not be loaded.
0509-022 Cannot load module libvpk.so.
0509-026 System error: A file or directory in the path name does not exist.
```

Solution

In order for the Lotus Sametime 7.0 Community MUX to start correctly, the \$PATH environment variable must include the path to the MUX binaries, and the \$LIBPATH must include the path to the libraries needed for the stmux executable.

Problem

On occasion, the Sametime 7.0 server on the IBM AIX or Sun Solaris platform does not terminate all Sametime 7.0 processes upon server shutdown.

Solution

As a workaround to this problem, run the following script on the server:

```
#!/usr/bin/sh DOMINO_PROGRAM_DIR=/opt/lotus ps -ef |grep $DOMINO_PROGRAM_DIR | awk '{print $2}' | xargs kill -9
```

To execute the script, do the following:

1. Save the script on the server.
2. Change to the directory where the script is saved.
3. Launch the script by typing: `./<scriptname>` where `<scriptname>` is the name of the file where the script was saved.

Dependencies:

- The script should be run by the Domino user.
- The Domino user must have permission to run the script.
- The path for `sh` at the top of the script must be changed to the correct value if `/usr/bin/sh` does not exist. The `DOMINO_PROGRAM_DIR` environment variable at the top of the script needs to be modified to the appropriate value, if the default installation settings were not used.

Problem

Some IP addresses in the Sametime 7.x.log file are printing backwards on the Sametime 7.x AIX server with a stand-alone Sametime 7.x Community Multiplexer (MUX). For example, instead of 123.123.123.123, you see 321.321.321.321.

Solution

In rare cases, the IP address will be printed incorrectly in reverse order. There is no workaround to this problem, but it does not negatively effect performance.

Problem

You are unable to log in to administer the server link on the `scenter.nsf` page via the browser.

Solution

Try these suggestions:

- Make sure that you are using the fully qualified Internet host name in the format of `http://server.domain.com` to access the server from the browser. Using the short name like `http://server` will cause authentication to fail.
- Check the Fully Qualified Domain name under the Basics tab and Ports - Notes Networks Ports - Net Address fields to ensure the proper name is being used.
- Check the following fields in the Web SSO Configuration document. If these settings are not set correctly, it may be necessary to delete and recreate the document.

The Sametime server is listed in the Participating Servers field

The Token name is set to `LtpaToken`

The DNS Domain is set correctly

For additional suggestions, see Technote 1086545.

Problem

Several services such as the Sametime Meeting Server, ST Users and ST Directory do not launch successfully.

Solution

The server is most likely being started using Windows Terminal Services or Remote desktop. Do not use these terminal programs to administer the server as the Sametime Server may not be able to communicate over certain ports due to operating system restrictions.

See Technote 1106554 for more information.

Problem

During the Lotus Sametime setup, you encounter the following error: "Error encountered in the local server Indexing help index on Doc\sthelpad.nsf"

Solution

1. Remove the HKEY_LOCAL_MACHINE\SOFTWARE\Lotus\Sametime registry key.
2. Remove entries from the notes.ini containing Sametime or st in them, including the line starting with StProgramDirectory.
3. Reboot Microsoft® Windows®.
4. Install Lotus Sametime 7.0 again.
5. Run STSetup again. You should get through the setup without error.

In some cases, it may also be necessary to delete the full text index (FTI) of the database. The easiest way to delete a FTI is to view the Data directory via the Operating System (OS) and delete the folders that contain the full text information you are interested in. Directories that contain FTI end with *.ft and begin with the OS name of the database.

The full text index is stored in a folder called \Domino\Data\Doc\sthelpad.ft. Deleting the folder deletes the full text index.

Problem

During the Lotus Sametime setup, you encounter the following error: "Error updating JavaUserClasses in notes.ini."

After clicking OK, the Sametime server is not installed. In some cases, the JavaUserClasses line of the notes.ini is present and other times it is empty.

Removing the line and attempting to reinstall results in the same problem. Copying a JavaUserClasses line from a good install of Sametime does not help.

Solution

To work around this issue, complete the following steps:

1. Make sure the Domino server is not running.
2. Edit the notes.ini file and remove the javauserclass parameter.
3. Replace that parameter with:
DominoBypassFlag=-vnver6
4. Save the notes.ini and restart the install.

You should now be able to run stsetup.exe from the lotus\domino directory (this .exe runs the configuration portion of the Lotus Sametime setup). After the setup is complete, the flag can be removed from the notes.ini and Lotus Sametime will be setup correctly.

Chapter 5. Installing and Setting Up Domino for Sametime

This chapter provides instructions for setting up an existing Domino server for installation of a Sametime 7.5 server. IBM® Lotus® Domino® 7 (or later) must be installed before you install Lotus Sametime® 7.5. If you have not already installed a Domino server, this chapter provides general instructions for installing a Domino server on Microsoft® Windows®, IBM® AIX®, and Sun Solaris. For complete instructions on installing a Domino server, see the Lotus Domino 7 Administrator Help, available at <http://www.ibm.com/developerworks/lotus>.

Domino Installation Overview

This section provides general instructions for installing IBM® Lotus® Domino® 7. However, if you have never installed and set up a Domino server, it is strongly recommended that you refer to the Lotus Domino 7 Administrator Help to get a full understanding of how to install and set up a Domino server.

To download or view the Lotus Domino 7 Administrator Help, go to <http://www.ibm.com/developerworks/lotus>.

Click any of the following topics for information on installing and setting up a Domino server:

- Install a Domino server on the Microsoft® Windows® platform
- Install a Domino server on an IBM® AIX® or Solaris platform
- Set up the Domino server
- Install and set up the Lotus Domino Administrator and Notes® clients.

Installing Domino on Windows

You must install the Sametime 7.5 server on a Domino 7 (or later) server. See the release notes that shipped with this product for complete information regarding servers supported by IBM® Lotus® Sametime® 7.5.

Lotus Sametime uses the directory, security, and replication features of the Domino server. It is best if the Sametime server is dedicated to supporting the real-time, interactive communication services of Lotus Sametime. For best performance, do not use the Sametime server for other high-demand Domino services such as mail storage and routing, application and database storage, or centralized directory and administration services.

Both an IBM System i™ server or p™ server can run multiple partitioned servers on the same Lotus Domino® system. While it is possible to add Lotus Sametime to an existing production Domino server, this configuration is not recommended. Instead, consider creating a new Domino server dedicated to running Lotus Sametime. The new Domino server can reside on the same system as your existing production server.

Users must access the Sametime server via a Web browser. IBM Lotus Notes® client access to the Sametime server home page (stcenter.nsf) is not supported. All other Sametime clients, including the Lotus Sametime Connect client, can be downloaded by end users from the Sametime server home page.

To support the first Sametime server installed into your environment, the Domino server must be installed as a first server in a Domino domain. Step-by-step instructions for installing the Domino server in this way are provided below. These steps describe a basic Domino server installation that can support Lotus Sametime.

For more detailed information about Domino server installations and environments, see the Domino Installation Guide available from the documentation library of the Lotus Developer's Domain web site at <http://www.ibm.com/developerworks/lotus>.

If you are installing more than one Sametime server, review the issues and procedures that are discussed in the "Deploying multiple Sametime 7.5 servers" chapter of the *IBM® Lotus® Sametime 7.5 Administrator's Guide* before installing the additional Sametime servers.

Before you install

Before you install the Domino server program files on a Microsoft® Windows® platform, do the following:

1. Make sure that the required hardware and software components are in place and working.
2. Temporarily disable any screen saver and turn off any virus-detection software.
3. Make sure that all other applications are closed. Otherwise, you may corrupt any shared files, and the install program may not run properly.

Note: If you are upgrading Lotus Domino from a previous release, see the Domino Upgrade Guide available from the documentation library of the Lotus Developer's Domain web site at <http://www-10.lotus.com/ldd/doc>.

Installing Domino

To install Lotus Domino on a Windows platform, follow these steps.

1. Run the install program (setup.exe), which is on the Domino server installation CD.
2. Read the Welcome screen, and click Next. Then read the License Agreement and click Yes.
3. Enter the administrator's name and the company name. Do not elect to install Lotus Domino on partitioned servers.
4. Choose the program and data directory in which to copy the software, and then click Next.
5. Select "Domino Enterprise Server" as the server type.
6. Click Next to accept all components.
7. Specify the program folder or accept Lotus Applications as the program folder that will contain the software.
8. Click Finish to complete the install program.
9. Choose Start - Programs - Lotus Applications - Lotus Domino Server to start the Server Setup program.

Using the Domino Server Setup Program Locally

After installing Domino, the first time you start the server, the Domino Server Setup program launches. The Server Setup program asks a series of questions and guides you through the setup process. Online Help is available during the process.

Starting and Shutting Down the Domino Server

Start the Domino server so users can access shared databases and obtain other server services. Do not enter keystrokes or click the mouse while the Domino server is starting or shutting down.

If the server program is running, do not use Ctrl+S to stop scrolling the console. If you do, no server services will occur until you press a key to continue.

Starting the server -- To start the Domino server from Windows, choose Start - Programs - Lotus Applications - Lotus Domino Server or start the service Lotus Domino Server (LotusDominoData) from the OS Control panel.

Shutting down the server -- To shut down the Domino server, type **exit** or **quit** at the console. It may take several seconds for the server to shut down.

Next Step

Set up the Domino server.

Installing the Domino Server on IBM AIX or Sun Solaris

If you are installing a new Domino 7 server for your Sametime 7.5 server, use these general directions. For complete instructions on installing a Domino server, see the Lotus Domino 7 Administrator Help, available at <http://www.ibm.com/developerworks/lotus>.

Since you must add Lotus Sametime to an existing Domino server, Domino software is included with the Lotus Sametime 7.5 package. If you have not separately purchased a Domino server license for this server, you are authorized to use the included copy of Domino on a single server, but only to run Lotus Sametime.

The Domino installation programs for all versions of UNIX are simply scripts that ask for configuration information and then install the software in the appropriate directories. The instructions below are provided to remind you of the necessary steps to install IBM® Lotus® Domino®; the procedure assumes that you have a working knowledge of Domino administration.

To install Lotus Domino:

1. Place the CD in the CD-ROM drive.
2. Become the root user by logging in as the root user or using the "su" command. Open Operations Navigator.
3. Mount the CD to make it available. You can mount the CD using the SMIT utility or the appropriate version of the following command:

```
mount -r -v -cdrfs /dev/cd0 /cdrom
```
4. Using the above example, change to the /cdrom directory and look for the "ibmpow" subdirectory (AIX) or the "sunspa" subdirectory (Solaris). Change to the appropriate directory.
5. Start the installation script using the following command:

```
./install
```
6. Follow the directions on each panel of the script, making sure to retain the information you provide for the location of the Domino executable directory and the Domino data directory. You will need this information when you install Lotus Sametime.

After you have installed the Domino server, you must start and stop the Domino server at least once before installing the Sametime server. This allows certain files to be created that Lotus Sametime needs in order to install correctly.

Using the Domino Server Setup Program Locally

After installing the Domino server program files on a server, you run the Domino Server Setup program locally by starting the server. The Server Setup program asks a series of questions and guides you through the setup process. Online Help is available during the process.

Starting the Domino Server

To start the Domino server from IBM® AIX® or Sun Solaris, enter the path for the Domino program directory. For example, if you installed Lotus Domino in the /opt directory, enter:

```
/opt/ibm/lotus/bin/server
```

Shutting down the Domino Server

To shut down the Domino server, type exit or quit at the console. It may take several seconds for the server to shut down.

Next Step

Set up the Domino server.

Adding a Domino Server to an Existing Domino Domain

If you are adding a server to an existing Domino domain for use as a Sametime server, you need to register the server before you can install IBM® Lotus® Domino®. When you do so, make sure to specify the following settings during registration:

- Set the minimum password length to 0 so that Lotus Domino will not require a password on the Sametime server. Lotus Sametime® cannot be added to a Domino server when the server ID file is password-protected. (Access to the Sametime server will be controlled through Lotus Sametime rather than Lotus Domino.)
- Store the server ID file that is created during registration somewhere on your server where you will configure the Sametime server. Record the path name; you will need to specify it when you configure the Sametime server.
- Use the same network name as the first Domino server in the Domino domain.
For detailed information about registering an additional server, see the Lotus Administration documentation.

The registration process creates a Server document in the Domino Directory.

Setting Up the Domino Server

The server setup program launches the first time you start the Domino server. During the setup program, you will need to provide the following information.

First Server

To set up a stand-alone server or the first server in a new Domino domain:

Field or option	Description
First or additional server?	Select "Set up the first server or a new Domino domain."
Server Name	Enter the name of the Domino server where you will add Lotus Sametime. For example, specify STDOM1.
Organization Name	Enter the name for the organization. This is usually the name of the company, such as IBM.
Domino Domain Name	Enter the name of the Domino domain. A domain is a collection of servers that share a Domino Directory. For example, LotusEast.
Administrator's Name	Specify the Domino administrator's name. This administrator will also be the Sametime server administrator.
Web Browsers (HTTP services)	Check this option. Lotus Sametime requires that you use the Domino HTTP server.
Internet Mail clients	To reduce overhead, do not check. Lotus Sametime does not require mail packages.
Directory Services (LDAP services)	Check this only if you will be using an LDAP directory. If you are using a Domino Directory, Lotus Sametime does not require Directory Services.
Internet Services - Customize	From the Internet Services screen, click Customize. Make sure the following Domino server tasks are not selected: <ul style="list-style-type: none">• DOLS Domino Offline Services• DIOP CORBA Services Note: The HTTP Server task should be checked. If it is not, check it.

Additional Server

If you are setting up an additional server in an existing Domino domain, select "Set up an additional server" when you begin the setup program. In addition to the setup options listed above, you also need to provide this information:

Field or option	Description
Get Domino Directory From	Enter the name of the Domino server that has the Domino Directory that this server will use. Make sure to enter the hierarchical name of the server, for example, enter servername/company.
Where is the server ID file?	Specify the path of the server ID file that was created when you registered the Sametime server. For example, enter /LOTUS/DOMINO/stdom1.id.
Optional Server ID password	Leave blank. Note: If you specify a password for the server ID file, you will not be able to add Lotus Sametime to this server. When you register the server's ID, set the password strength to 0 and do not specify a password.

Next Step

Install and configure the IBM® Lotus® Domino® Administrator and Notes® clients.

Installing and Configuring the Lotus Notes Client and Domino Administrator Client

To administer the Domino server, you must install and configure at least one Microsoft® Windows® PC as the administration workstation. Using the Domino software that shipped with IBM® Lotus® Sametime®, you must install and configure the Lotus Domino® Administrator and Notes® clients on the administration workstation.

Note: Before you can install the Lotus Domino Administrator and Notes clients you must install and set up the Domino server.

To install and configure the Lotus Domino Administrator and Notes clients:

1. Insert the Notes Client CD into the PC you plan to use as the administrator's workstation.
2. Follow the instructions on each panel of the Notes installation wizard, selecting to install both the Lotus Domino Administrator and Notes clients.
3. Copy the certifier ID and administrator ID files from the Domino data directory of your Domino server to the Notes data directory of the Administrator workstation. You can use File Transfer Protocol (FTP) or another method, or you can let the initial communications between the server and administration workstation copy the files for you automatically.
4. If necessary, start the Domino Server.
5. Open Lotus Notes.
6. Follow the instructions in the setup wizard to configure the Lotus Notes client. If you have moved the certifier and administrator ID files to the PC you have designated as your administration workstation, indicate the correct location when asked. If you have not copied the ID files, simply provide the user administrator name you specified during HTTP setup. You will be prompted for the password for this ID. The ID files will be copied and stored on your administration workstation for you automatically.

Next Step

When you have set up the Lotus Domino Administrator and Notes clients, you are ready to begin preparing the Domino server for Lotus Sametime installation.

Chapter 6. Third Party Notices

For the XSL and XML Parser and Processor

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For DSIG base64

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