



**Installing and Managing Sametime 7 for i5/OS**



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# Chapter 1

## Getting started with IBM Lotus Sametime

Welcome to IBM® Lotus® Sametime® 7 for i5/OS™! This product merges Web server technology, IBM Lotus Notes® technology, T.120 data-conferencing technology, and online awareness technology to allow a community of users to participate in live, interactive online meetings, instant messaging, and group chat sessions. This enhances the workplace by placing powerful, real-time collaboration tools on the desktop of every user in a Sametime community.

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### About this guide

This installation guide provides information on installing and managing Sametime on the i5/OS operating system. In addition to documenting the aspects of Sametime that are unique to i5/OS, this guide provides an administrator with the necessary steps for completing the following tasks:

- Preparing the TCP/IP environment
- Preparing a new Sametime environment
- Preparing to upgrade an existing Sametime environment
- Installing Sametime
- Setting up the Sametime client software
- Managing Sametime
- Setting up optional configurations for Sametime

This guide includes documentation for both the Instant Messaging Limited Use version of Sametime, and the full version of Sametime. The term "Sametime" is used to refer to both versions. When it is necessary to differentiate between the two versions, the terms "Instant Messaging Limited Use" and "the full version of Sametime" are used.

#### **Providing documentation feedback**

Lotus Sametime User Assistance Feedback is a form posted on the Internet that allows you to provide feedback pertaining to your experiences with this installation guide. This form is available at the following Web site:

[http://doc.notes.net/feedback/sametime.nsf/Install\\_iSeries?OpenForm](http://doc.notes.net/feedback/sametime.nsf/Install_iSeries?OpenForm)

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## What is Lotus Sametime?

Lotus Sametime consists of client and server applications that enable a community of users to collaborate in real-time online meetings over an intranet or the Internet. Members of the Sametime community use collaborative activities such as presence, chat, screen sharing, a shared whiteboard, and real-time audio/video capabilities to meet, converse, and work together in instant or scheduled meetings.

Lotus Sametime for i5/OS consists of two product options. The \*BASE product option includes the instant messaging and awareness capabilities of Sametime. Product option 1 includes the Web conferencing capabilities. Users entitled to the full version of Sametime receive and install both options.

Sametime "presence" technology enables members who have logged in to the Sametime server to see all other members who are online (logged in). The names of online users display in "presence lists" in Sametime applications. From these presence lists, members of the community can converse through instant messaging sessions or start instant meetings that include chat, screen-sharing, whiteboard, question and answer polls, the ability to send Web pages to other users, and audio/video capabilities.

While presence lists support instant awareness and instant collaboration with other online users, the Sametime Meeting Center on the Sametime server provides a central meeting place for members of the community. In the Meeting Center, users can schedule meetings to start at a particular time. Users access the Sametime Meeting Center with Web browsers at the scheduled meeting time to attend the meeting.

The two primary Sametime client applications are the IBM Lotus Sametime Connect client and the Sametime Meeting Room client. The Sametime Connect client contains a presence list that displays selected members of the community who are online. From Sametime Connect, a user can collaborate by sending instant messages or by starting an instant meeting with any other online member of the community. Sametime Connect comes in two slightly different versions: Sametime Connect for the desktop and Sametime Connect for browsers.

The Sametime Meeting Room client is a Java™ applet that loads and runs in a user's Web browser whenever the user attends an instant or scheduled meeting. The Sametime Meeting Room client contains components that support the full range of Sametime collaborative activities, including interactive audio and video.

Sametime supports a broadcast technology that enables a large number of view-only users (or audience members) to watch a small number of users (or presenters) interact in a meeting. The broadcast technology is especially useful for meetings in which one person, or a small group of people, make presentations to a large audience. Audience members watch a broadcast meeting using a separate receive-only Java client called the Sametime Broadcast client.

Each Sametime server contains an IBM Lotus Domino™ Directory that maintains information about all servers that comprise the Sametime community. The Sametime server can be configured to use a Domino directory for user authentication or it can operate as a client to a Lightweight Directory Access Protocol (LDAP) server containing an LDAP directory.

Sametime works through the interaction of its client applications with services on the Sametime server. The Sametime services include the Community Services, Meeting Services, Broadcast Services, Domino/Web Application Services, and Audio/Video Services. Managing the directory, ensuring that Sametime clients can connect to the Sametime server, configuring the Sametime services, and monitoring the server are some of the primary administrative tasks associated with the Sametime server.

Sametime administrators use the Web-based Sametime Administration Tool. This tool runs in a Web browser and is available from the "Administer the Server" link on the Sametime server home page.

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## What is Instant Messaging Limited Use?

The Instant Messaging Limited Use version of Sametime is a limited version of the full IBM Sametime product. The full version of Sametime supports presence, instant messaging, and Web conferencing functionality. The Instant Messaging Limited Use version of Sametime supports presence and instant messaging capabilities, but does not support Web conferences.

Instant Messaging Limited Use and the full version of Sametime are separate offerings of the Lotus Sametime for i5/OS product (5724J23). Customers entitled to Instant Messaging Limited Use receive and install the \*BASE product option of Lotus Sametime. Customers entitled to the full version of Sametime receive and install \*BASE and Option 1.

With the Instant Messaging Limited Use version of Sametime, client and server applications interact to enable a community of users to collaborate in real-time through presence and instant messaging.

Sametime presence technology enables members who have logged in to the Sametime server to see all other members who are online (logged in). The names of online users display in "presence lists" in Sametime applications. From these presence lists, members of the community can converse through instant messaging sessions. Instant messaging sessions can be two-way sessions involving only two users or chat conferences involving three or more users.

The primary client application provided with this version of Sametime is the Sametime Connect for browsers client. This client is a Java™ applet that runs in a user's Web browser. Sametime Connect includes a presence list that displays selected members of the community who are online. From Sametime Connect, a user can collaborate with other members of the community by sending instant messages. The client also includes directory browsing capabilities and privacy features. Users load this client to their Web browser by selecting a link on the Sametime server home page.

This version of Sametime can also be integrated with a Domino 7 server to provide instant messaging and presence functionality to Domino applications such as the Lotus Notes client and Domino Web Access. When Domino and Sametime are integrated, client applications residing on the Domino server connect to the Sametime server to access presence and instant messaging capabilities. For more information about integrating Sametime with Domino servers, see the Domino Administration documentation available at [www.lotus.com/ldd/doc](http://www.lotus.com/ldd/doc).

The Sametime clients interact with the Community Services on the Sametime server to access presence and instant messaging functionality. The Community Services support all presence and instant messaging capabilities of Sametime. The Instant Messaging Limited Use version of Sametime installs on a Domino server and uses the HTTP Services, Domino Web Application Services, and Domino directory provided with the Domino server.

This Sametime server can also be configured to operate as a client to a Lightweight Directory Access Protocol (LDAP) server containing an LDAP directory. You can use an LDAP directory as your community user repository if LDAP directories are used in your environment.

Sametime administrators use the Web-based Sametime Administration Tool. This tool runs in a Web browser and is available from the "Administer the Server" link on the Sametime server home page. Managing the directory, ensuring that Sametime clients can connect to the Sametime server, configuring the Sametime services, and monitoring the server are some of the primary administrative tasks associated with the Sametime server.

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## What's new in Sametime 7 for i5/OS

This section summarizes some important changes in Sametime 7 for i5/OS that you should be aware of.

### Two product offerings

The product has been repackaged in order to support two separate offerings of Lotus Sametime:

- Lotus Sametime, Instant Messaging Limited Use  
Customers who are entitled to Lotus Sametime, Instant Messaging Limited Use receive and install only the \*BASE product option of Lotus Sametime (5724J23). This provides the capability to create and configure Sametime servers that support instant messaging, but not Web conferencing.
- Lotus Sametime  
Customers who are entitled to Lotus Sametime receive and install \*BASE and Option 1 of Lotus Sametime. This provides the capability to create and configure Sametime servers that support both instant messaging and Web conferencing.

### Name change

The previous release of this product was named *IBM Lotus Instant Messaging and Web Conferencing 6.5.1 for iSeries*. For this release, the product has been renamed to *IBM Lotus Sametime 7 for i5/OS*.

### Product identifier change

The product identifier for previous releases was 5733LST. The new product identifier for Lotus Sametime 7 is 5724J23.

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## About Sametime on the i5/OS platform

When deploying Lotus Sametime on the i5/OS platform, you should be aware of the following:

- The product ID for Lotus Sametime 7.0 for i5/OS is 5724J23. To enable only the Instant Messaging Limited Use version of Sametime, install the \*BASE product option. To enable the full version of Sametime, install both \*BASE and Option 1.
- Lotus Sametime for i5/OS supports "mixed environments" where both full Sametime servers and Instant Messaging Limited Use servers coexist on the same i5/OS logical partition (LPAR). For more information, see "Using the limited use version of Sametime in an environment that includes full Sametime servers."

Lotus Sametime for i5/OS also supports conversion of an Instant Messaging Limited Use server to a full Sametime server, and vice-versa. For more information, see "Changing an existing server to limited use or full Sametime."

- Lotus Sametime for i5/OS supports multiple Sametime servers on the same LPAR. This is done by creating multiple Domino partitioned servers and configuring them as Sametime servers. For this environment to be successful, it is important that TCP/IP is carefully configured. For more information, see technote 7002647 "Sametime for iSeries: Multiple Sametime Servers on Same System" at the following Web address:

<http://www.ibm.com/support/docview.wss?rs=203&uid=swg27002647>

- You can configure Sametime servers and Lotus QuickPlace servers on the same LPAR, but they must run on separate partitioned Domino servers. To avoid port conflicts, ensure that you properly configure the servers as described in Chapter 2 "Preparing the TCP/IP environment." For information about enabling QuickPlace integration with Sametime, see the *IBM Lotus QuickPlace Installation and Upgrade Guide*.
- The preferred way to install and manage the Domino server that you use for Sametime for i5/OS is to use iSeries Navigator. iSeries Navigator is part of IBM iSeries Client Access Express™ for Windows, and runs on a workstation connected to your server. All of the software needed for Client Access Express is included with the i5/OS® software that is pre-loaded on your system. For detailed information on installing iSeries Navigator and Client Access Express, see the iSeries Navigator section of the iSeries Information Center at the following Web address:

<http://www.ibm.com/eserver/iseries/infocenter>

- Sametime 7 is supported on Domino 7.0 and later Domino 7.0.x releases. These versions of Domino are all multi-version capable. This means that multiple versions of Domino can run on the same LPAR. However, only one version of Sametime can be installed on a single LPAR. For more information on multi-version capable releases of Domino, see "Using Domino for i5/OS multi-version capabilities" in the Lotus book *Installing and Managing Domino 7 for i5/OS*.

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## Lotus Sametime requirements

Before you install Lotus Sametime, ensure your system meets the hardware and software requirements. Before you install Sametime Connect for the desktop, install the workstation hardware and software that Sametime Connect requires.

The following sections describe how to verify that your system meets all of the Sametime hardware and software requirements for the i5/OS platform.

### i5/OS authorities required to install and set up Sametime

i5/OS has extensive security restrictions to prevent unauthorized access to functions and data. The administrator who installs and sets up Sametime must sign on to the system with a user profile that has the required authorities.

To install the Sametime software, your user profile must have the following special authorities:

- All object access (\*ALLOBJ)
- Security administration (\*SECADM)

To set up a Sametime server, your user profile must have the following special authorities:

- All object access (\*ALLOBJ)
- System configuration (\*IOSYSCFG)
- Job control (\*JOBCTL)

### Checking your user profile using iSeries Navigator

The i5/OS security officer has the required authorities to install and set up Sametime. If you are not the security officer, check to see if your user profile has the required authorities by following these steps:

Open the system where you will install Sametime.

- Click **Users and Groups**.
- Click **All Users**.
- Right-click *user-id*  
where *user-id* is the name of your user profile.
- Click **Properties**.
- Click **Capabilities**.

The authorities granted to your user profile are displayed on the Privileges tab.

If your user profile does not have the required authorities, ask the security officer to either install and set up the Sametime server or add the required authorities to your user profile.

## Checking your user profile using commands

The i5/OS security officer has the required authorities to install and set up Sametime. If you are not the security officer, use the Display User Profile (DSPUSRPRF) command to determine if your user profile has the required authorities. To check your user profile, follow these steps:

**Note** You start the i5/OS command interface by signing on to your system, such as from a 5250 emulator window on a workstation that is communicating with the system. To enter a command, type the command on any line following the symbol `====>` and press Enter. To have the system prompt you for details of a command, type the command name (such as DSPUSRPRF) and press F4 instead of Enter.

1. Type the following OS/400 command and press Enter:

```
DSPUSRPRF user-id
```

where *user-id* is the name of your user profile.

2. Press the PAGE DOWN key and look for the special authority field to display the special authorities for the user profile.

If your user profile does not have the required authorities, ask the security officer to either do the installation and setup or to add the required authorities to your user profile.

## How to check for installed i5/OS software

You can determine what software is installed by using iSeries Navigator (the Graphical User Interface for i5/OS) or by entering a command.

### Checking for installed software using iSeries Navigator

If you are using iSeries Navigator and have the Configuration and Service plug-in installed, follow these steps:

1. Open the system where you will install Sametime.
2. Click **Configuration and Service**.
3. Click **Software**.
4. Click **Installed Products**.

In the right pane, you will see a list of the products installed on the system.

To find the release of Domino you are running, follow these steps:

5. Locate 5733LD7 (7.0.x releases), 5733LD6 (6.0.x releases), or 5733L65 (6.5.x releases) in the **Product** column.
6. Look under the **Description** and **Option** columns to see which release(s) of Domino are installed (you may have more than one release installed). For Sametime 7, you must have Domino 7.0.x (5733LD7) installed.

## Checking for installed Program Temporary Fixes

To check whether a Program Temporary Fix (PTF) has been installed on your system, follow these steps:

1. Open iSeries Navigator.
2. Open the system where you will install Sametime.
3. Click **Configuration and Service**.
4. Click **Fixes Inventory**.
5. Click **All Fixes**.

The display on the right will show all PTFs that have been installed on the system.

## Checking for installed software using commands

To determine what software is currently installed on the system, type the following command and press Enter:

```
DSPSFWRSC
```

The Resource ID column shows the licensed program number. Press F11 to see the version and release of the software.

One or more releases of Domino, such as 5733LD7, 5733LD65 or 5733LD6, may be installed on your server. For Sametime 7, you must have 5733LD7 installed.

## Checking which version of Sametime is installed on your system

The following table lists the product and option numbers for each version of Lotus Sametime for i5/OS.

<i>Version of Sametime</i>	<i>Product Number</i>	<i>Option Number(s)</i>	<i>Version/Release/Mod</i>
Lotus Sametime 7.0	5724J23	*BASE and Option 1	V7R0M0
Lotus Sametime 7.0, Instant Messaging Limited Use	5724J23	*BASE	V7R0M0
Lotus Instant Messaging and Web Conferencing 6.5.1	5733LST	*BASE	V6R5M1
Lotus Sametime 3.1	5733LST	*BASE	V3R1M0
Earlier releases	5733LST	*BASE	V3R0M0 or V2R5M0

## Sametime server requirements

Lotus Sametime for i5/OS requires the following hardware and software. Unless otherwise noted, these requirements apply to both the full version of Sametime and Instant Messaging Limited Use.

When new releases of Domino and i5/OS become available, there may be additional updates to these requirements. For the latest information, see the *Lotus Software for iSeries Compatibility Guide* on the Web at:

<http://www.ibm.com/servers/eserver/series/domino/domino6/releasesupport.pdf>

### Hardware

- IBM eServer iSeries™ or IBM eServer™ i5 server models capable of running IBM i5/OS V5R3
- Minimum 512MB memory, 1GB recommended
- Minimum 500MB free disk space, 1GB recommended
- Minimum of 4 Disk Drives (arms)
- If you plan to use Sametime in a language other than English, your server must have an additional 150MB of free disk space.

**Note** Use these values as general guidelines. The requirements for your environment may be different. For more information about recommended models and system sizing, see the Sametime for iSeries Web site at the following address:

<http://www.ibm.com/eserver/series/sametime/sysreq.html>

### Software

- IBM i5/OS, 5722SS1, Version 5 Release 3 or later
- OS/400 - Host servers, 5722SS1 option 12
- TCP/IP Connectivity Utilities for iSeries, 5722TC1
- IBM Developer Kit for Java, 5722JV1, \*BASE plus option 6, 1.4 JDK
- OS/400 - QShell Interpreter, 5722SS1 option 30
- OS/400 - Portable Application Solutions Environment (PASE), 5722SS1 option 33

This product option is required if you are installing the full version of Sametime and plan to enable the capability to save whiteboard contents.

- Cryptographic Access Provider 128-bit for iSeries, 5722AC3  
This product option is required if you plan to enable the Secure Sockets Layer (SSL) protocol to encrypt connections with your Sametime server. It is recommended for all Sametime server installations. 5722AC3 is included with all orders for i5/OS V5R3. If you installed this product on a previous version of i5/OS, you must upgrade it to V5R3.
- All required system PTFs, including the latest Java Group PTF  
For the latest detailed information about the required PTFs, see technote 1089996 "Sametime for iSeries: What System Fixes are Required?" at the following Web address:

<http://www.ibm.com/support/docview.wss?rs=203&uid=swg21089996>

The technote advises you to install the latest Java Group PTF. It is important that you install or reinstall the Java Group PTF after installing or upgrading all of the prerequisite software listed in this section, especially 5722JV1, option 6, and the V5R3 version of 5722AC3.

See Chapter 8 "Optional Configurations for Sametime" for additional requirements for other Sametime configurations such as implementing Sametime Conversion Services.

### **Domino software**

- Sametime 7 for i5/OS requires Domino for i5/OS release 7.0 or a later Domino 7.0.x release.

**Note** See "How to check for installed i5/OS software" for instructions on checking which release of Domino you have installed.

### **Domino considerations for languages other than English**

You should install the language version of Domino for i5/OS that corresponds to the language version of Sametime you plan to install. For example, if you plan to install the French version of Sametime, you should install the English version of Domino, plus the French language files from the Domino Language Pack.

### **Additional requirements for iSeries Navigator**

If you want to use iSeries Navigator to manage your Sametime server, make sure you have the following software installed on your system:

- Client Access Express for Windows, 5722XE1
- Client Access Windows Family - Base, 5722XW1
- Lotus Domino plug-in for iSeries Navigator

For more information, see the IBM eServer iSeries Information Center at the following Web address:

<http://www.ibm.com/eserver/iseries/infocenter>

### **Server compatibility issues**

- If you plan to run multiple Sametime servers in the same community, all of the servers should be running either Sametime 7 or Sametime 6.5.1. Interoperability with Sametime 3.0, 3.0a and 3.1 is supported only during the upgrade process. For more information, see "About upgrading to Sametime 7."
- If you plan to integrate a QuickPlace server with your Sametime 7 server, the QuickPlace server should be running version 7. QuickPlace 6.5.1 does not support interoperability with Sametime 7. For more information, see the *IBM Lotus QuickPlace Installation and Upgrade Guide*.
- If you plan to run Sametime and Lotus QuickPlace on the same system, see technote 1091353 "Sametime for iSeries: Can Sametime and QuickPlace Be Installed on the Same System?" at the following Web address:

<http://www.ibm.com/support/docview.wss?rs=203&uid=swg21091353>

- If you are using the Session Initiated Protocol (SIP), you must use the SIP Connectors that are delivered with Sametime 7. You can use either the iSeries integrated SIP Connector or the standalone SIP Connector, but you must use the Sametime 7 versions for each SIP-enabled Sametime community.

### **Replication issues**

If you plan to use replication functions in your Sametime environment, do not replicate the Sametime Configuration Database (stconfig.nsf) from one server to another.

## **Sametime client requirements**

The Sametime user workstation requires the following:

### **Platforms**

- Sametime Connect for the desktop -- Windows 2000 Professional (SP4), Windows XP (SP1)
- MacIntosh Sametime Connect for the desktop -- MacIntosh OSX 10.3.x and 10.4.x

### **Web browsers**

- Internet Explorer 6.0 on Windows XP and Windows 2000 Professional
- Mozilla 1.7.6 on Windows XP Professional and Windows 2000 Professional 3.0, NLD 9.0 (Novell Linux Desktop)
- Mozilla Firefox 1.0.1 on Windows XP Professional and Windows 2000 Professional 3.0, NLD 9.0 (Novell Linux Desktop)

### **Java JDK/JRE**

- Sun JDK and JRE 1.4.2
- Sun JRE 1.4.2 or later for Linux

**Note** The Microsoft VM is not supported for Sametime clients. With the Sametime 7.0 release, the Sametime clients will not block usage by users that have only the Microsoft VM installed. However, this will not be true for future releases. You should install the Sun or IBM JVM 1.4.2 on Sametime client computers.

### **Macintosh Sametime Connect for the desktop JVM requirements**

- JVM 1.4.2 (for MacIntosh OSX 10.3.x)
- JVM 1.4.2 (for MacIntosh OSX 10.4.x)

**Note** If you want to run the Sametime 7 Administration Tool in Microsoft Internet Explorer 6.0, make the following settings in Microsoft Internet Explorer. You must make these settings regardless of whether Microsoft Internet Explorer is installed on a client or server computer.

1. In Microsoft Internet Explorer, select the **Tools - Internet Options** menu item.

2. Select the **Advanced** tab.
3. Clear the check mark from the "Use HTTP 1.1" option.

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## Where to find more information

Before installing and configuring your Sametime server, be sure to review the information in the Readme file located on your CD-ROM. You should also visit the IBM Lotus Sametime for i5/OS Web site where additional information will be posted as it becomes available, including installation tips and sizing recommendations. The Web site is located at the following address:

<http://www.ibm.com/eserver/series/sametime>

You may find the following resources helpful:

- All of the Sametime documentation is available online. Visit the developerWorks product page for Lotus Sametime to access the documentation and additional information that developers and administrators will find helpful, such as articles, downloads, toolkit information, and access to the Sametime Forum. You can access the product page for Lotus Sametime from the following Web page:

<http://www.ibm.com/developerworks/lotus/products>

Scroll down to Documentation. For information specific to Sametime on the i5/OS platform, select "Lotus Sametime for i5/OS product documentation." For general information that pertains to all platforms, select "Lotus Sametime product documentation." A link is also available for Sametime Toolkit documentation.

- Most of the documentation for Sametime is also available on the Lotus Sametime for i5/OS Components CD in the /Docs directory.
- The Lotus Sametime home page contains Sametime product and developer information, including the latest information on Sametime developer's tools and the protocols used by Sametime that make online awareness and real-time collaboration possible. This Web site includes white papers, reviewer's guides, common questions and solutions, and newsletters relating to Sametime's features and benefits. The Web site is located at:

<http://www.ibm.com/lotus/sametime>

- The Lotus book, *Installing and Managing Domino 7 for i5/OS* has details on setting up and controlling Domino 7 servers on i5/OS. This book includes instructions on how to verify that TCP/IP is set up and running on your system. It also provides a basic introduction to i5/OS for those who are new to platform. This book is available on the Domino product CD, or you can view or download it from the Notes/Domino product page available from:

<http://www.ibm.com/developerworks/lotus/products/>

You can find other Domino for i5/OS information on the IBM Domino for i5/OS Web site at:

<http://www.ibm.com/eserver/series/domino>

- The IBM eServer iSeries Information Center has details about installing, setting up, and using TCP/IP. It also includes an overview of Client Access Express and iSeries Navigator. The latest version of the Information Center is available at the following Web site:

<http://www.ibm.com/eserver/series/infocenter>

- Lotus technotes provide up to date information that was unavailable at the time this book was published. You can find specific technotes by searching for the technote number, or you can search for technotes by entering keywords. Technotes can be accessed from the following Web address:

<http://www.ibm.com/software/lotus/support>

---

## Chapter 2

# Preparing the TCP/IP environment

Your Sametime server must be configured to use one or more specific TCP/IP addresses so that it will not attempt to share TCP/IP ports with any other tasks on your system. This chapter guides you through the process of verifying your TCP/IP configuration, making changes if necessary to resolve conflicts between servers, and gathering the TCP/IP information that you will need to configure your Sametime server. For detailed information about connectivity issues, see “Configuring Sametime Connectivity” in the *IBM Lotus Sametime Administrator’s Guide* (sthelpad.nsf).

Preparing your TCP/IP environment for Sametime involves the following tasks:

- Verify host table entries.
- Verify configuration of existing Domino servers.
- Select a TCP/IP address for your Sametime server.
- Add a TCP/IP address.
- Update your host table.
- Update the Domain Name Server.
- Update the configuration of existing Domino servers.
- Update the IBM HTTP server configuration.

For the same steps using only commands, see Appendix B "Preparing the TCP/IP Environment Using Commands."

---

### Verifying host table entries

To verify your host table entries, follow these steps:

1. Locate your server's host table.
  - Open iSeries Navigator.
  - Open the system where you plan to install Sametime.
  - Click **Network**.
  - Right-click **TCP/IP Configuration** and select **Properties**.
  - On the TCP/IP Configuration properties panel, click **Host Table**.

2. Record each host name and the corresponding TCP/IP address as you may need this information later.

---

## Verifying configuration of existing Domino servers

**Note** If you do not have any Domino servers configured on your system, you can skip this section.

To determine which TCP/IP addresses are currently being used by your Domino servers, follow these steps:

1. From an i5/OS command interface, sign on to your system.

**Note** The following steps assume that your Domino servers are already started.

2. Verify the current TCP/IP addresses for each Domino server by entering the following command:

```
WRKDOMCSL servername
```

where *servername* is the name of your Domino server.

3. From the Domino Console display, type the following command and press Enter:

```
sh port tcpip
```

4. Press F5 to refresh the screen.

The 'show port TCP/IP' command displays the TCP/IP address that the Domino server is using.

- If the server is using only one TCP/IP address, you will see a specific TCP/IP Local Address listed along with a port number, which is typically port 1352. For example, 10.1.2.3:1352.
  - If the server is using all active TCP/IP addresses, you will see \*:1352 displayed as the Local Address rather than a particular TCP/IP address.
5. Record the results for each Domino server, as you will use this information later.

---

## Selecting a TCP/IP address for your Sametime server

In this section you will determine which TCP/IP addresses are already defined on your system and decide which address you will use for your Sametime server. You will also determine whether you will need to define additional TCP/IP addresses in order to avoid conflicts between servers.

1. Open the list of TCP/IP interfaces.
  - If necessary, open iSeries Navigator.
  - Open the system where you will add Sametime.
  - Click **Network**.
  - Click **TCP/IP Configuration**.
  - Click **Interfaces**.

The right pane shows information about each TCP/IP address on your server.

2. Verify that each of the TCP/IP addresses that you recorded earlier (when you looked at the host table or ran the 'sh port tcpip' command) is currently defined.
3. Verify that the system has enough TCP/IP addresses defined so that you can assign at least one for the exclusive use of each of the following:
  - Your Sametime server.
  - Each existing Domino server.
  - Each instance of the IBM HTTP server running on your system.

**Note** Do not attempt to use Domino port mapping.

4. Contact your network administrator to assign additional TCP/IP addresses and host names if needed.
5. Ensure that the new host names are also added to your Domain Name Server (DNS).
6. Select the TCP/IP address you will assign to your Sametime server.
7. Decide which TCP/IP addresses should be assigned to each existing Domino server and each instance of the IBM HTTP server.
8. Record this information, as you will use it later to ensure that existing servers are properly bound to specific IP addresses. This ensures that their port usage will not conflict with your Sametime server.

If you did not need to have additional TCP/IP addresses defined, skip to "Updating the host table."

---

## Adding a TCP/IP address

**Note** If you did not need to assign additional TCP/IP addresses, you can skip this section.

To add a TCP/IP address to your server, follow these steps:

1. If necessary, open iSeries Navigator.
2. Open the system where you will add Sametime.
3. Click **Network**.
4. Click **TCP/IP Configuration**.
5. Right-click **Interfaces** and select **New Interface**.
6. Select **Local Area Network**.
7. Follow the wizard's instructions to configure the TCP/IP interface. If you need assistance in any window of the wizard, click **Help**.

---

## Updating the host table

In this section, you will add an entry in the host table for your Sametime server. If necessary, you will also update the entries for your existing Domino servers.

To add a host table entry for your Sametime server, follow these steps:

1. Open the host table.
  - Open iSeries Navigator.
  - Open the system where you plan to install Sametime.
  - Click **Network**.
  - Right-click **TCP/IP Configuration** and select **Properties**.
  - On the TCP/IP Configuration properties display, click the **Host Table** tab.
2. Click **Add**.
3. In the **IP Address** field enter the TCP/IP address you have chosen to use for your Sametime server. For example, enter 10.1.2.4.
4. In the **Host name** field, enter the fully qualified name for the Domino server where you will add Sametime. For example, enter stdom1.acme.com.

**Note** Although you can add multiple host names for the same IP address, make sure you list the fully qualified name first, before any alternative short names. If the fully qualified name is not first on the list of names associated with the Sametime server's IP address, you must delete the entries and recreate them in the correct order.

5. If you choose to, enter a description in the **Description** field.
6. Click **OK** to add the entry to your server's host table.
7. Click **OK** to exit the TCP/IP Configuration Properties Window.

Ensure that the host table entries for any existing Domino servers are correctly defined and they are associated with the TCP/IP addresses you decided they should use in "Selecting a TCP/IP address for your Sametime server."

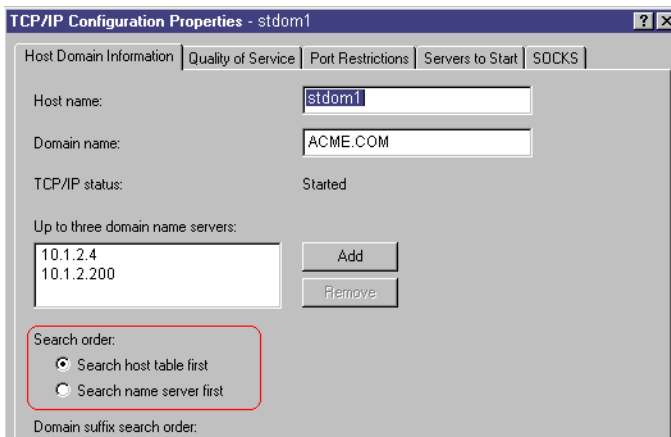
---

## Updating the Domain Name Server

If you defined any additional host names, work with your TCP/IP administrator to ensure that the new host names are added to your Domain Name Server (DNS).

If you have configured TCP/IP to search the DNS before searching the host table, you may need to make additional changes in your configuration. Follow these steps to check your TCP/IP Configuration Properties:

1. Open iSeries Navigator.
2. Open the system where you will install Sametime.
3. Click **Network**.
4. Right-click **TCP/IP Configuration** and select **Properties**.
5. Note the current value of the "Search order".



- If "Search host table first" is selected, you do not need to take any further action. You already ensured that the fully qualified host name was listed first in your local host table in an earlier step.
- If "Search name server first" is selected, you need to verify with your network administrator that the fully qualified host name is the first value listed in the DNS for the IP address associated with your Sametime server. The fully qualified host name must be listed first, before any short names, in order for your Sametime server to function correctly. Alternatively, you can change the TCP/IP configuration properties to "Search host table first."

**Caution** If you decide to change the "Search order" you must stop and restart TCP/IP in order for the change to take effect.

6. Click **OK**.

---

## Updating the configuration of existing Domino servers

**Note** If you do not have any Domino servers configured on your system, you can skip this section.

In this section, you will ensure that each existing Domino server is correctly bound to specific TCP/IP addresses that you have assigned to it. This will prevent them from conflicting with your Sametime server. If necessary, you will modify the existing Domino server settings to enable partitioning and specify unique TCP/IP addresses.

Even if you changed your server's TCP/IP address by modifying the server's notes.ini file, the change may not have occurred in the server document. This procedure updates both the server document and the notes.ini file.

### Determining whether you need to modify the server properties

For each existing Domino server, complete the following steps to determine whether you must modify the server properties:

1. Open the Domino server properties.
  - Start iSeries Navigator.
  - Click **Network**.
  - Click **Servers**.
  - Click **Domino**.
  - In the right hand pane of the iSeries Navigator main window, right-click the Domino server and choose **Properties**.

2. Click **Network Configuration**.

If SYSTEM is specified in the IP address field, then the server is using all available TCP/IP addresses on that system and you must modify the configuration so that the server uses only a single TCP/IP address.

3. Click the **Services** tab.

**Note** If you already have more than one Domino server on your system, you may skip this step.

Verify that Partitioning appears in the list of Enabled services. If necessary, add Partitioning to the list of Enabled services.

4. Click **OK** to close the server properties.

## Modifying the server properties

For each existing Domino server that needs to be modified, complete the following steps:

1. If your Domino server is active, you must stop it.

- Start iSeries Navigator.
- Open the system where you will install Sametime.
- Click **Network**.
- Click **Servers**.
- Click **Domino**.
- Right-click your Domino server and select **Stop**.

**Note** Stopping a Domino server may take a few minutes.

2. In the right hand pane of the iSeries Navigator main window, right-click the Domino server and select **Properties** to open the Domino server properties.

3. If necessary, modify the server so that partitioning is enabled.

**Note** If you already have more than one Domino server on your system, you may skip this step.

- Click the **Services** tab.
- Add Partitioning to the list of Enabled services.

4. If necessary, modify network settings so that the Domino server uses only the TCP/IP address that you selected earlier.

- Click **Network Configuration**.
- Click on the line you wish to modify.
- Click **Modify**.
- In the IP address field, click **Specify a server host name**.

- Enter the fully qualified host name for the Domino server. This is the host name that your DNS associates with the TCP/IP address that you specified earlier. For example, dommail.acme.com.

**Note** You should not use a numeric TCP/IP address in this field.

- Click **OK**.

5. In the right hand pane of the iSeries Navigator main window, right-click the Domino server and choose **Start** to start the Domino server.

**Note** Starting a Domino server may take a few minutes.

6. Using a Domino Administrator client, edit the server settings in the Server Document so that the Domino HTTP server binds to the specific host name.

- Select the **Configuration** tab.
- In the left pane, click **Server** and select **All Server Documents**.
- Open the server document for the Domino server and click the **Edit Server** button.
- Select the **Internet Protocols** tab, and then select the **HTTP** tab.
- In the **Bind to host name** field, select **Enabled**.
- Select the **Ports** tab, then select the **Internet Ports** tab, then select the **Web** tab.
- Verify in the HTTP settings that the TCP/IP port has a port number specified. The default port number is 80.
- Click **Save and Close**.

7. Stop and restart the Domino server to make the changes take effect.

8. When the Domino server has restarted, access it through a Notes client or a Web browser to make sure it is still accessible using TCP/IP.

---

## Updating the IBM HTTP server configuration

Your Sametime server will use the Domino HTTP server. It is possible that you may have already configured the IBM HTTP server on your system for other applications. If so, then you must verify that each instance of the IBM HTTP server is bound to a specific TCP/IP address. This will prevent it from conflicting with your Sametime server.

If you are certain that you are not using the IBM HTTP server, skip this section and proceed to "Preparing a new Sametime Environment."

Complete these steps to verify your IBM HTTP server configuration and change it if necessary:

1. If the IBM HTTP server is currently running, stop it.
  - Open iSeries Navigator.
  - Open the system where you plan to install Sametime.
  - Click **Network**.
  - Click **Servers**.
  - Click **TCP/IP**.
  - In the right pane, right-click **HTTP Administration** and select **Stop Instance-->All**.
2. Start the HTTP Administration server.
  - Click **Network**.
  - Click **Servers**.
  - Click **TCP/IP**.
  - In the right pane, right-click **HTTP Administration** and select **Start**.
3. Open the IBM HTTP server configurations page.
  - Start your Web browser.
  - Enter the following URL:  
`http://mysystem:2001`  
where *mysystem* is the name of your system.
  - Click **IBM Web Administration for iSeries**.
  - Select the **Manage** tab.
  - Select the **HTTP Servers** tab.
4. Select a configuration from the menu at the top of the screen, and complete the following items for each configured instance of the IBM HTTP server.
  - From the list on the left pane, select **General Server Configuration**.
  - In the right pane, find the IP address and port table in the section called **Server IP address and ports to listen on**.
  - If one of the rows in the table has an asterisk (\*) in the **IP Address** column, then the server is listening on all IP addresses. Select that row. Replace the asterisk (\*) with the IP address for this server and click **Continue**.
  - When finished updating the server IP address table, click **Apply** to save your changes.
5. When each instance of the IBM HTTP server is configured to use a specific IP address, restart the HTTP servers.

- Open iSeries Navigator.
- Open the system where you plan to install Sametime.
- Click **Network**.
- Click **Servers**.
- Click **TCP/IP**.
- In the right pane, right-click **HTTP Administration** and select either **Start Instance-->All**, or select the particular server instances you would like to start.

For more information on managing the IBM HTTP server, see the IBM eServer iSeries Information Center at the following Web site:

<http://www.ibm.com/eserver/series/infocenter>

You have finished preparing the TCP/IP environment, and can proceed to Chapter 3 "Preparing a new Sametime environment."

---

## Chapter 3

# Preparing a new Sametime environment

**Note** If you are upgrading from an earlier Sametime release, skip to Chapter 4 "Preparing to upgrade an existing Sametime environment."

This chapter helps you prepare a new Sametime environment on your system. When you set up the Sametime environment, you must always add Sametime to a Domino server. This chapter covers the following information:

- Sametime configuration options
- Setting up a Domino server in a new Domino Domain
- Setting up a Domino server in an existing Domino Domain
- Installing and configuring the Notes client and Domino Administrator client
- Verifying the Domino server configuration for the addition of Sametime
- Verifying the Domino server is accessible

**Note** If you plan to use replication functions in your Sametime environment, do not replicate the Sametime Configuration Database (stconfig.nsf) from one server to another.

---

### Sametime configuration options

If you do not have any Domino servers configured in the environment where you plan to install Sametime, then skip to the next section in this chapter, "Setting up a Domino server in a new Domino Domain."

If you already have a Domino server configured in the environment where you will install Sametime, you have the option of setting up the Sametime environment in one of the following ways:

- Set up a new Domino server in a new Domino domain (\*FIRST), and add Sametime to that server.
- Add an additional Domino server to the existing Domino domain (\*ADD), and add Sametime to that server.

Adding Sametime to an existing production Domino server is not supported. Instead, create a new Domino server for running Sametime. The new Domino server can reside on the same system as your existing production server. Using separate

servers allows you to tune the servers individually for optimal performance. In addition, you can stop one of the servers for maintenance without affecting the other.

The following sections describe the supported Sametime configuration options.

## **Setting up a new Domino server and adding Sametime**

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

- No users are 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 on using the Sametime Administration tool or allowing self-registration, see the *IBM Lotus Sametime 7 Administrator's Guide* (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.

## **Adding a Domino server to an existing Domino domain, and then adding Sametime**

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

- Users from the Domino Directory appear in the directory on the Sametime server. However, before they can use Sametime, you need to be sure each entry has an Internet password specified. In this case, self registration should not be enabled as duplicate IDs for the same users may be created.
- The Domino Directory is shared by servers in the Domain. Users can access the directory from the 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 set up 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.

---

## Setting up a Domino server in a new Domino domain

Follow these steps to set up a Domino server in a new Domino domain.

1. Launch the appropriate setup wizard in iSeries Navigator, depending on whether or not you have already installed Domino.

If you have not already installed Domino, use the Domino EZ-Setup wizard to install Domino software on your system, configure the Domino server, and install the Domino iSeries Navigator plug-in on your workstation. To launch the EZ-Setup wizard:

- Open iSeries Navigator.
- Open the system where you will install Domino.
- Click **Network**.
- Right-click **Servers** and select **Install and Configure Domino**.

If you have already installed Domino, use iSeries Navigator to configure the new server. To launch the New Domino server setup wizard:

- Open iSeries Navigator.
  - Open the system where you will add Domino.
  - Click **Network**.
  - Click **Servers**.
  - Right-click **Domino** and select **New Domino server** to launch a Java based setup wizard.
2. Follow the instructions on each wizard display to configure the new Domino server. Be sure to specify that you are configuring a Domino server in a new domain. If you need help with a particular setting, click **Help**.

3. Configure the Domino server with the following settings:

**Note** This chapter only documents settings that directly apply to this Sametime installation. For settings that are not documented below, you can enter your own values.

<i>Display</i>	<i>Description</i>
Server Name	Enter the name of the new Domino server where you will add Sametime. For example, specify STDOM1.
Advanced server settings	Specify <b>Yes</b> for <b>Enable server partitioning</b> to allow multiple Domino servers to run on the same system.
Domain Name	Enter the name of the Domino domain. For example, enter Acme.
Administrator's Name and Password	Specify the Domino administrator's name. This administrator will also be the Sametime server administrator.  Specify a password for the Domino Administrator.
Internet Services	Select <b>Web Browsers (HTTP services)</b> .  Sametime requires that you use the Domino HTTP server.  Deselect <b>Directory Services (LDAP services)</b> .  Even if you plan to use an LDAP directory, you should not run it on the same server where you run Sametime.
Domino Network Settings	Click <b>Customize</b> to view the Advanced Network Settings.
Advanced Network Settings	Click the checkbox associated with the IP address for this server. Ensure that only one checkbox is selected.  You must edit the Host Name field and replace the IP address with the fully qualified Internet host name for this server. Type over the IP address displayed in the Host Name column and replace it with the fully qualified host name for the server. For example, STDOM1.ACME.COM. You must press <b>Enter</b> for the change to take effect.  Also, type the fully qualified host name in the field at the bottom of the display.  When finished, click <b>OK</b> and continue until Domino server setup is complete.

4. Start the Domino server if it is not already started.

You have finished configuring the server. Continue to "Installing and configuring the Notes client and Domino Administrator" later in this chapter.

---

## Adding a Domino server to an existing Domino domain

To add a Domino server to an existing Domino domain, follow these steps:

1. Register the additional server for your normal operating environment. You must specify the following settings during registration:
  - Store the server ID file that is created during registration somewhere on the system where you will configure the Sametime server. Record the path name; you will need to specify it when you configure the Sametime server.
  - Change the owner of the ID file to Qnotes by right-clicking the file in iSeries Navigator and selecting **Permissions**.  
In the Permissions dialog box, change the owner to Qnotes and make sure all checkboxes are checked, except **Exclude**.
  - 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 book, *Installing and Managing Domino 7 for i5/OS*.

2. Launch the appropriate setup wizard in iSeries Navigator, depending on whether or not you have already installed Domino.

If you have not already installed Domino, use the Domino EZ-Setup wizard to install Domino software on your system, configure the Domino server, and install the Domino iSeries Navigator plug-in on your workstation. To launch the EZ-Setup wizard:

- Open iSeries Navigator.
- Open the system where you will install Domino.
- Click **Network**.
- Right-click **Servers** and select **Install and Configure Domino**.

If you have already installed Domino, use iSeries Navigator to configure the new server. To launch the New Domino server setup wizard:

- Open iSeries Navigator.
  - Open the system where you will add Domino.
  - Click **Network**.
  - Click **Servers**.
  - Right-click **Domino** and select **New Domino server** to launch a Java based setup wizard.
3. Follow the instructions on each wizard display to complete the addition of the new Domino server. Be sure to specify that you are configuring an additional Domino server in an existing domain. If you need help with a particular setting, click **Help**.

4. Configure the Domino server with the following settings:

**Note** This chapter only documents settings that directly apply to this Sametime installation. For settings that are not documented below, you can enter your own values.

<i>Display</i>	<i>Description</i>
Registered Name	Provide the registered name of the additional Domino server where you will add Sametime. For example, specify Sales1/Acme.
Advanced server settings	Specify <b>Yes</b> for <b>Enable server partitioning</b> to allow multiple Domino servers to run on the same system.
Internet Services	Select <b>Web Browsers (HTTP services)</b> . Sametime requires that you use the Domino HTTP server.  Deselect <b>Directory Services (LDAP services)</b> . Even if you plan to use an LDAP directory, you should not run it on the same server where you run Sametime.
Domino Network Settings	Click <b>Customize</b> to view the Advanced Network Settings.
Advanced Network Settings	Click the checkbox associated with the IP address for this server. Ensure that only one checkbox is selected.  You must edit the Host Name field and replace the IP address with the fully qualified Internet host name for this server. Type over the IP address displayed in the Host Name column and replace it with the fully qualified host name for the server. For example, STDOM1.ACME.COM. You must press <b>Enter</b> for the change to take effect.  Also, type the fully qualified host name in the field at the bottom of the display.  When finished, click <b>OK</b> and continue until Domino server setup is complete.

You have finished configuring the server. Continue to "Installing and configuring the Notes client and Domino Administrator client" later in this chapter. If you have already installed and configured the Notes client and Domino Administrator, continue to "Verifying the Domino server configuration for the addition of Sametime."

---

## Installing and configuring the Notes client and Domino Administrator client

If you have not already done so, you must set up at least one workstation as an Administration workstation for your Domino server. Using the Domino software that shipped with Sametime, install and configure the Notes Client and Domino Administrator Client on each workstation you wish to use to administer the Domino server.

To install and configure the Notes Client and Domino Administrator Client, follow these steps:

1. Install the Notes Client.
  - Insert the Notes Client CD into the Sametime Administrator's workstation.
  - Follow the instructions on each display of the Notes installation wizard, selecting to install the Notes Client and the Domino Administrator Client.
2. Using FTP or the drag and drop method in iSeries Navigator, copy the certifier ID and administrator ID files from the Domino data directory on your system to the Notes data directory on the Administrator workstation.
3. Open Lotus Notes.
4. Follow the instructions in the setup wizard to configure the Notes Client.

When you have completed configuration, continue to "Verifying the Domino server configuration for the addition of Sametime."

---

## Verifying the Domino server configuration for the addition of Sametime

Before you add Sametime, you must verify that the Domino server document is correct.

1. If necessary, start the Domino server.
  - Open iSeries Navigator.
  - Open the system where you will install Sametime.
  - Click **Network**.
  - Click **Servers**.
  - Click **Domino**.
  - Right-click the Domino server and select **Start**.

**Note** Starting the Domino server may take a few minutes.
2. Using a Domino Administrator client, verify the contents of the Server document and update it if necessary.
  - Select the **Configuration** tab.

- In the left pane, click **Server** and select **All Server Documents**.
  - Open the server document for the Domino server and click the **Edit Server** button.
3. Verify the content of the following fields:

<i>Tab</i>	<i>Field</i>	<i>Setting</i>
Security	Programmability Restrictions: Run unrestricted methods and operations	If you have signed agents with a different signature, then enter that signature here too.
Ports-Notes Network Ports	Port	TCP/IP <b>Note</b> This must be specified <i>exactly</i> as shown or you will not be able to add Sametime to this server.
Ports-Notes Network Ports	Net Address	The fully qualified host name for the Domino server. This must not be an IP address and it should match the name specified below in the InternetProtocols-HTTP Host Name field.  For example, stdom1.acme.com.
Internet Protocols-HTTP	Basics: Host Name(s)	The DNS name for the TCP/IP address for your Sametime server. This should match the name specified above in the Ports-Notes Network Ports Net Address field.  For example, stdom1.acme.com.
Internet Protocols HTTP	Basics: Bind to host name	Enabled
Internet Protocols-HTTP	Mapping: Home URL	Specify the following value if you want the Sametime server home page to be the default page for users accessing the server:  stcenter.nsf?Open

4. Click **Save and Close**.
5. If you made changes to the server document, you must stop and restart the Domino server for the changes to take effect.

To stop the Domino server:

- Open iSeries Navigator.

- Open the system where you will install Sametime.
- Click **Network**.
- Click **Servers**.
- Click **Domino**.
- Right-click the Domino server and select **Stop**.

**Note** Stopping the Domino server may take a few minutes.

To restart the Domino server:

- Click **Network**.
- Click **Servers**.
- Click **Domino**.
- Right-click the Domino server and select **Start**.

**Note** Starting the Domino server may take a few minutes.

You have finished configuring the server. Continue to "Verifying the Domino server is accessible" later in this chapter.

---

## Verifying the Domino server is accessible

Before installing Sametime and adding it to your Domino server, verify that the Domino server is accessible from client workstations.

To verify that the Domino server is accessible from a client workstation, start a Web browser on the workstation and attempt to access `names.nsf` by entering the following address into the location bar:

```
http://hostname.yourco.com/names.nsf
```

where *hostname.yourco.com* is the host name of the Domino server.

If you can view the contents of `names.nsf`, the Domino server is accessible and ready for installation of Sametime.

You have now prepared the Sametime environment on your system. Continue to Chapter 5 "Installing Sametime."



---

## Chapter 4

# Preparing to upgrade an existing Sametime environment

Whether you are upgrading your current Sametime installation to IBM Lotus Sametime 7, Instant Messaging Limited Use or to IBM Lotus Sametime 7, this section contains information that you need to know. This chapter contains the following sections:

- Upgrading from Instant Messaging Limited Use to the full version of Lotus Sametime
- Summary of upgrade considerations by release
- Preparing to upgrade your servers
- Backing up your data

---

## Upgrading from Instant Messaging Limited Use to the full version of Lotus Sametime

Lotus Sametime for i5/OS supports upgrading from the Instant Messaging Limited Use version of Sametime to the full version of Sametime. Because upgrading to the full version of Sametime merely involves installing an additional product option (option 1), you can perform the upgrade with minimal disruption to your existing environment.

If you are already using the Instant Messaging Limited Use version of Sametime, then you have already performed many of the tasks necessary to support the full version. This topic provides the remaining steps necessary to upgrade an existing environment where only the \*BASE product option is installed, to a full Sametime environment featuring the Web Conferencing capabilities of product option 1.

### Notes

- When upgrading to the full version of Sametime, all existing Instant Messaging Limited Use servers are automatically upgraded to full Sametime servers. If you want to change the servers back to Instant Messaging Limited Use servers, see "Changing an existing server to limited use or full Sametime."
- If you installed the Sametime Language Pack for your Instant Messaging Limited Use environment, you do not need to install the Language Pack again after upgrading to the full version of Sametime.

To upgrade to the full version of Sametime:

1. If you plan to enable the capability to save whiteboard contents, install the following software:  
OS/400 - Portable Application Solutions Environment (PASE), 5722SS1 option 33  
To configure Sametime to save whiteboard contents, see the topic "Enabling the capability to save whiteboard contents" in Chapter 8.
2. Install Lotus Sametime, 5724J23, option 1:
  - Sign on to your system with a user profile that has the appropriate i5/OS authorities. For more information, see "i5/OS authorities required to install and set up Sametime."
  - Stop all existing Sametime servers.
  - Insert the Lotus Sametime for i5/OS CD in your server's optical drive.
  - Enter the following command to install option 1:  
RSTLICPGM LICPGM(5724J23) DEV(<OPTICAL>) OPTION(1)  
where <OPTICAL> is your server's optical drive (example: OPT01).
3. Make sure Sametime Web Conferencing is working as expected. For more information, see "Validating Sametime Web Conferencing."

## Summary of upgrade considerations by release

The following table summarizes considerations for upgrading to Sametime 7 from previous releases.

<i>Upgrading from release</i>	<i>Considerations</i>
Sametime 6.5.1 or earlier	<ul style="list-style-type: none"> <li>• IBM i5/OS V5R3 is required</li> <li>• Domino 7 is required</li> <li>• It is now recommended that you always install Cryptographic Access Provider 128-bit for iSeries (5722AC3) on your iSeries server. 5722AC3 is included with all orders for i5/OS V5R3.</li> <li>• For servers with Web Conferencing capability: If you are currently using Sametime Attachment Conversion Services, you should upgrade your conversion server after upgrading your Sametime server. For more information, see the <i>Lotus Sametime 7 Conversion Services Setup Guide</i>. You can find this guide on the Sametime Components CD in the \STConv directory.</li> </ul>
Sametime 3.1 or earlier	<ul style="list-style-type: none"> <li>• All considerations listed above.</li> <li>• For servers with Web Conferencing capability: In order to save the contents of the meeting room whiteboard, Sametime no longer requires the use of iSeries Tools for Developers, 5799PTL. OS/400 - Portable Application Solutions Environment (PASE), 5722SS1 option 33, is still required. Configuring this capability is much easier than it was for Sametime 3.1 and earlier releases. See "Enabling the capability to save whiteboard contents" for more information.</li> </ul>
Sametime 3.0a or earlier	<ul style="list-style-type: none"> <li>• All considerations listed above.</li> </ul>

*continued*

---

*Upgrading Considerations  
from  
release*

Sametime 2.5	<ul style="list-style-type: none"><li>• All considerations listed above.</li><li>• All Sametime releases after 2.5 use the Domino single signon which requires the fully qualified Domain Name Server (DNS) name of the server for a successful authentication. Once you upgrade Sametime, your end users must enter the fully qualified DNS name of the Sametime server, such as <code>sametimeserver.meetings.acme.com</code>, in the Web browser URL locator when accessing the Sametime server.</li><li>• Before upgrading, you should verify certain items in your current TCP/IP configuration, even if your current Sametime server is functioning correctly. Make sure that the fully qualified host name of your Sametime server is listed first in your system's host table, before any short names associated with the same IP address. If your server is configured to search the DNS before searching the host table, you must also make sure that the fully qualified host name of your Sametime server is listed first in the DNS. For detailed information, see Chapter 2 "Preparing the TCP/IP Environment." For more information about Sametime security issues, see "Working with Sametime security" in the <i>IBM Lotus Sametime Administrator's Guide</i> (<code>sthelpad.nsf</code>).</li></ul>
-----------------	---

---

## Preparing to upgrade your servers

This section highlights some changes to the required software for this release that have a significant effect on the upgrade process. This is not a complete list of the prerequisites. You should also review the section "Lotus Sametime requirements."

- i5/OS V5R3 is required.

If your system is running OS/400 V5R1 or V5R2, you must upgrade the operating system before installing Sametime 7.

Sametime releases prior to Sametime 3.1 are not supported on i5/OS V5R3. If you are currently running a release of Sametime prior to 3.1, consider upgrading to Sametime 3.1 or 6.5.1 (on Domino 6.0.3/6.5.0 or later) before upgrading the operating system to i5/OS V5R3.

Consider other Domino servers and Domino Extended Products that may be running on the same system in your upgrade plans. Make sure that your currently installed server releases are all supported on i5/OS V5R3 before upgrading.

For the most up to date and detailed information about the combinations of Domino, Sametime, QuickPlace, and other Domino Extended Product releases that are supported on i5/OS V5R3 and previous OS/400 releases, see the Lotus Software for iSeries Compatibility Guide on the Web at:

<http://www.ibm.com/eserver/iseries/domino/domino6/releasesupport.pdf>

- Domino 7 is required.

Before installing Sametime 7, you must upgrade each of your existing Sametime servers to Domino 7 using the UPDDOMSVR command. If you do not upgrade a server to Domino 7 before upgrading to Sametime 7, the upgrade will fail for that server. To correct this problem, you must go back and upgrade the server to Domino 7 and then install Sametime again.

Keep in mind that any Sametime servers that are currently running a multi-version capable Domino release are not updated automatically when you install Domino 7. Therefore, if your Sametime servers are currently using any multi-version release, you can install Domino 7 at any convenient time. However, you should not update the Sametime servers to Domino 7 until you are ready to install Sametime 7.

Once you complete the upgrade process, all of your Sametime servers will be running Sametime 7 and Domino 7. However, Domino multi-versioning allows you to have other Domino servers running different releases of Domino in the same LPAR. Therefore, you might choose to upgrade other Domino servers to 7.0 before upgrading your Sametime server. For example, you can upgrade your mail server to Domino 7.0 and continue to run Sametime 6.5.1 on Domino 6.5.x until you are ready to upgrade to Sametime 7.0.

Finally, when upgrading, be sure to take into consideration the upgrade requirements of any other Domino servers or Domino Extended Products that you may have integrated with Sametime. For example, Lotus QuickPlace recommends that if you have configured QuickPlace and Sametime integration that you upgrade your QuickPlace server to 7 before upgrading your Sametime server to 7.

- Cryptographic Access Provider 128-bit (5722AC3) is recommended.

It is now recommended that you install Cryptographic Access Provider 128-bit for iSeries (5722AC3) on your system. 5722AC3 is included with all orders for i5/OS V5R3. This product was previously recommended only for installations that use the Secure Sockets Layer (SSL) protocol to encrypt connections with the Sametime server. If you are using SSL or Lotus Web Conferencing Audio Adapter for Premiere Conferencing, do not upgrade to Sametime 7 until you have installed or upgraded 5722AC3.

---

## Backing up your data

Before installing Sametime 7, you should back up important server data in case an error occurs during the upgrade process.

If you are planning to install the Instant Messaging Limited Use version of Sametime, back up the following data:

- **names.nsf** - This is optional if you can replicate from another Domino server.
- **vpuserinfo.nsf** - This contains user storage and privacy information, such as buddylist.
- **streg.nsf** - Back up this file only if self-registration is enabled.
- **da.nsf** - Back up this file if you are using directory assistance.
- **notes.ini** - Back up this file for possible reference.
- Any Teamrooms and Discussion databases
- Any custom templates or applications

If you are planning to install the full version of IBM Lotus Sametime, back up the following files in addition to all of the files listed above:

- **Files with the extension \*.RAP** - This will back up the recorded meeting files, typically found in a subdirectory.

If you have changed any values in the meetingserver.ini file, be aware that only the following settings are preserved when you upgrade Sametime:

- Attachment Conversion Services settings located in the following section:  
[SOFTWARE\Lotus\Sametime\MeetingServer\ConversionServices]
- -Djava.awt.headless setting
- StartWaitTime= setting located in the following section:  
[SOFTWARE\Lotus\Sametime\MeetingServer\Services]
- ConfigWaitTime= setting located in the following section:  
[SOFTWARE\Lotus\Sametime\MeetingServer]

Note that it is not necessary to back up the following files, as they are saved automatically during the upgrade process:

- meetingserver.ini
- sametime.ini
- stconfig.nsf.

For more information, see "Completing the upgrade process" in Chapter 5.

---

## Chapter 5

# Installing Sametime

This chapter describes the following tasks:

- Pre-accepting the Lotus Sametime software agreements
- Installing or upgrading Sametime
- Verifying your library list
- Installing the Sametime Language Pack
- Adding Sametime to a Domino server
- Validating Sametime Instant Messaging
- Validating Sametime Web Conferencing
- (Upgrade only) Completing the upgrade process

---

### Pre-accepting the Lotus Sametime software agreements

It is highly recommended that you display and accept the Lotus Sametime software agreements before installing Sametime. If you do not pre-accept the software agreements, the installation process will restore the product to the system, but then stop and wait for you to accept the agreements before completing the installation.

1. Insert the Lotus Sametime CD into the optical drive of your system.
2. Enter the following command on an i5/OS command line:

```
GO LICPGM
```

The Work with Licensed Programs display appears.

3. From the Work with Licensed Programs (LICPGM) menu, select option 5 (Prepare for install) and press Enter. The Prepare for Install display appears.
4. Type 1 in the option field next to **Work with software agreements**. Press Enter.

When the Work with Software Agreements display appears, you see all IBM licensed programs that require software agreement acceptance and whether the agreement has been accepted. Only licensed programs that are not yet installed appear on this display. The software agreements for Lotus Sametime will not appear in the list until you restore them from the CD in a later step.

5. Press F22 (shift-F10) to restore the Software Agreements from the Lotus Sametime CD.

For the Device parameter, specify the name of your optical drive. For example, OPT01. Press Enter to restore the Sametime software agreements to the system.

6. Once the Software agreements are restored from the Sametime CD, the following message is displayed:

**Waiting for reply to message on message queue QSYSOPR.**

You can sign on to another session to respond to the message or ask the system operator to respond.

To view and respond to the message from another session:

- a. Enter the following command on an i5/OS command line:

```
WRKMSGQ QSYSOPR
```

- b. Select option 5 to display the messages in the QSYSOPR message queue.

- c. Locate the following message in the queue:

```
Load the next volume in optical device OPT01. (X G)
```

The Lotus Sametime software agreements have been restored. If you want to restore more software agreements from another product CD, insert the next CD and respond with G. When the software agreements have been restored from the next CD, the message is issued again. When you are done, respond to the message with X.

7. The Work with software agreements display should now show the restored licenses for products that are not yet installed.
  - If you are using the CD for the Instant Messaging Limited Use version of Lotus Sametime, you will see an entry for Licensed Program 5724J23, option \*BASE.
  - If you are using the CD for the full Lotus Sametime product, you will see two entries for Licensed Program 5724J23: one entry for \*BASE and another entry for Option 1.
8. For each entry for Licensed Program 5724J23, type 5 in the option field and press Enter to display the Software Agreement. Then press F14 (Accept) to accept the terms of the software agreement.

---

## Installing or upgrading Sametime

To install Sametime on your system, follow these steps:

1. If you are upgrading from a previous release of Sametime, review the information in Chapter 4 "Preparing to upgrade an existing Sametime environment." Make sure you have backed up the recommended files to a directory outside of your Sametime directory structure or to a physical media before proceeding.
2. Sign on to your server with a user profile that has the appropriate i5/OS authorities.

For more information on the proper authorities, see "i5/OS authorities required to install and set up Sametime" in Chapter 1.

3. Stop the Domino server where you will add Sametime. If you are upgrading from an earlier Sametime release, you must stop all existing Sametime servers.

**Note** If any existing Sametime servers have not yet been upgraded to Domino 7, run the UPDDOMSVR command to upgrade them now. If you do not upgrade a server to Domino 7 before upgrading to Sametime 7, the upgrade will fail for that server. To correct this problem, you must go back and upgrade the server to Domino 7 and then install Sametime again.

4. Insert either the Lotus Sametime CD or the Lotus Sametime, Instant Messaging Limited Use CD in your server's optical drive.
5. Using the i5/OS command interface, such as a 5250 emulator window, type the following command and press F4:

```
LODRUN
```

6. On the LODRUN panel, type the following value in the Device field and press Enter:

```
*opt
```

7. In the Directory field, type the following value and press Enter:

```
/os400
```

The system loads the Sametime programs to the appropriate libraries and /QIBM directories. You will see status messages as the system installs the software.

If you are upgrading from an earlier Sametime release, all of your existing Sametime servers are upgraded during the install process. Check the job log to verify that all of your existing Sametime servers were upgraded successfully. You should see the following message for each Sametime server that was successfully upgraded on your system:

```
Upgrade successful for Lotus Sametime server <servername>
```

In addition, you may need to refresh the design of your Sametime databases. Normally the design of each of the databases is refreshed by the nightly Design server task. Alternatively, you can force an immediate database design refresh completing this steps:

8. On any i5/OS command line, type the following command and press Enter:  
`WRKDOMCSL`
9. On the Work with Domino Console display, type the name of your Sametime server and press Enter.
10. At the command prompt, type the following Domino subcommand and press Enter:  
`LOAD DESIGN`

---

## Verifying your library list

You have just installed the English version of Sametime.

If the primary language of your system is **not** English, follow these steps to verify that QSYS2924 is in your library list:

**Note** If the primary language of your system is English, you do not need to modify your library list.

1. From an i5/OS command line, type the following command and press Enter:  
`WRKSYSVAL QSYSLIBL`
2. On the Work with System Values display, type a 2 next to QSYSLIBL and press Enter.
3. On the Change System Value display, check whether QSYS2924 is included in the list. If it is listed, press F3 to Exit. If it is not listed, proceed to step 4.
4. Type QSYS2924 next to Sequence Number 0 and press Enter.
5. Press F3 to Exit.
6. If you changed the library list, sign off the system and sign back on to activate the new library list.

If you will only deploy the English version of Sametime, skip to "Adding Sametime to a Domino Server."

If you plan to deploy Sametime in a language other than English, proceed to "Installing the Sametime Language Pack."

---

## Installing the Sametime Language Pack

A Language Pack is required if you want to use Sametime in a language other than English. If you will only deploy the English version of Sametime, skip to "Adding Sametime to a Domino Server."

When you install a Language Pack in a Sametime 7 environment, the following apply:

- Only one language can be installed in a Logical Partition (LPAR).
- English templates are replaced with translated versions.
- A number of files containing messages and Web pages are replaced with translated versions.

If you have customized any English templates or files on your system, they will be replaced and all customizations will be lost. If you want to save these templates, you must copy them to a backup directory outside of the Sametime product directory structure, or to a physical media prior to installing the Language Pack.

- The Language Pack installation creates a file called `Sametime.cfg` in `/QIBM/ProdData/Lotus/Sametime/data`. This file can be used to determine which Language Pack is installed.
- If you later decide to install a different Sametime language pack, you must first remove the current language pack. See "Removing the Language Pack" for more information.

### Installing the Language Pack

To install the Sametime Language Pack from CD-ROM, follow these steps:

1. Place the Sametime 7 Language Pack for i5/OS CD in your server's optical drive. The translated language files are located in the Languagepack directory on this CD.
2. Sign on to your system with the same user profile you used to install the Sametime product.
3. Stop all of the Sametime servers on the system.
4. On any i5/OS command line, type the following command and press Enter:  
`RSTLSTLNG`
5. On the Restore Lotus Sametime Language display, type the following value in the Device field and press Enter:  
`*opt`
6. Type a 1 next to the language you want to install and press Enter.

The translated templates and files for the language you specified will be copied to the Sametime product data directory, and the English templates and files will be overwritten. Any new Sametime servers that you configure in the future will automatically use the language files that you have just installed.

If you are upgrading from an earlier Sametime release and have existing Sametime servers, the Language Pack install process automatically updates the Sametime database templates on each of your existing Sametime servers. Normally the design of each of the databases is refreshed by the nightly Design server task. Alternatively, you can force an immediate database design refresh by running the following command from your Domino server console:

```
load design
```

**Note** When you display the software installed on your server, the Sametime English language feature (2924) will still appear to be installed.

You have completed the Language Pack installation. If you are running Sametime on a DBCS system (Japanese, Korean, Simplified Chinese or Traditional Chinese), proceed to "Installing additional fonts for double-byte languages." Otherwise, proceed to "Adding Sametime to a Domino Server."

## Installing additional fonts for double-byte languages

By default, four sets of single-byte character fonts are always installed with Sametime. These fonts are used for displaying characters on the meeting room whiteboard. If you are running Sametime on a DBCS system (Japanese, Korean, Simplified Chinese or Traditional Chinese), you should copy two additional fonts to your server from the Sametime Components CD.

1. Locate the \TrueTypeFonts directory on the Components CD and find the subdirectory that matches the language of your Sametime server.
2. Copy both of the files from the subdirectory to the following directory on your server:

```
/QIBM/ProdData/Lotus/Sametime/Shared/ttfonts
```

3. Run the Change Owner (CHGOWN) command to change the owner of both of the files to QNOTES.

**Note** The Sametime server always uses the font file that matches the CCSID of the server. For example, suppose that the server CCSID is Korean but one of the meeting attendees is using a Japanese client. If this meeting attendee attempts to write Japanese characters on the whiteboard, the server will misinterpret the characters and display them for the other attendees as a meaningless string of Korean characters.

Proceed to "Adding Sametime to a Domino Server."

## Removing the Language Pack

To remove a Sametime Language Pack, reinstall the English version of Sametime 7 using the steps described earlier in this chapter. This will install the English templates in the Sametime product's data directory and the Sametime server's data directory.

---

## Adding Sametime to a Domino Server

**Note** If you are upgrading from a previous version of Sametime, your existing Sametime servers were automatically upgraded when you installed the new release of Sametime. If you do not need to configure a new Sametime server, skip to "Validating Sametime Instant Messaging."

To add Sametime to a Domino server, sign on to your server using an i5/OS command interface and follow these steps:

1. Stop the Domino server.
2. On any i5/OS command line, type the following command and press F4:  
**ADDLSTDOM**
3. In the Domino server name field, type the name of the Domino server where you will add Sametime.
4. In the Directory type field, type either \*DOMINO or \*LDAP and press Enter to select which type of directory Sametime will use.
  - If you chose \*DOMINO, skip to step 5.
  - If you chose \*LDAP, complete the following fields:

**Note** For more information about using an LDAP directory, see the *Lotus Instant Messaging and Web Conferencing (Sametime) Administrator's Guide* (sthelapad.nsf).

<i>Field</i>	<i>Description</i>
Name	Enter the name or TCP/IP address of the LDAP server that Sametime will use.
Port	Enter the IP port that Sametime will use. The default IP port for LDAP connections is 389.
Base DN for search	Enter the base DN to use when searching the LDAP directory. This value must be specified for most types of LDAP directories.

5. In the Allow HTTP Tunneling field, type either \*YES or \*NO.
- Note** This option enables Sametime clients that operate behind restrictive firewalls to connect to the Sametime server and use the presence, chat, screen-sharing, whiteboard, and broadcast features of Sametime.
6. Press F10 for additional parameters.
7. If you chose to allow HTTP tunneling, specify the port number on which the HTTP server will listen. The default is 8088.
8. Under Additional Parameters, complete the following fields:

**Note** You may need to press the Page Down key to view these fields.

<i>Field</i>	<i>Description</i>
Event Server port	Enter the port on which the Event Server service for this Sametime server should listen. <b>Note</b> If you have more than one Sametime server installed on the same logical partition (LPAR) of your server, make sure each Event Server service listens on a different port.
Token Server port	Enter the port on which the Token Server service for this Sametime server should listen. <b>Note</b> If you have more than one Sametime server installed on the same logical partition (LPAR) of your server, make sure each Token Server service listens on a different port. Refer to the technote "Sametime for iSeries: Verifying Each Server on System Uses Unique Ports" for information on determining which Sametime ports are already in use. The technote is available on the Web at the following address: <a href="http://www-1.ibm.com/support/docview.wss?rs=203&amp;uid=swg21212892">http://www-1.ibm.com/support/docview.wss?rs=203&amp;uid=swg21212892</a>
Start Domino server	Specify whether or not you want to have this Sametime server start when the set up is complete.

9. Press Enter to run the command.  
As Sametime is added to the Domino server, you will see a console screen that shows the status of adding Sametime to a Domino server. When you are prompted that the addition of Sametime is complete, press Enter.
10. If you did not choose to start the Domino server during set up, restart the Domino server now.

Once the Domino server has started, proceed to the next section, "Validating Sametime Instant Messaging."

---

## Validating Sametime Instant Messaging

You can verify Sametime Instant Messaging by accessing the "Welcome to Sametime" page and launching Sametime Connect.

If any of these tasks fail to work, see technote #1108423, "Sametime for iSeries: Most Common Problems" at the following Web site:

<http://www.ibm.com/support/docview.wss?rs=203&uid=swg21108423>

### Accessing the Welcome to Sametime page

To access the "Welcome to Sametime" page, follow these steps:

1. Start your Web browser.
2. Enter the following URL:

`http://hostname/stcenter.nsf`

where *hostname* is the fully qualified host name of the Sametime server you want to access.

**Note** Make sure you specify the server's fully qualified host name, such as `http://stserver.acme.com/stcenter.nsf`. If do not use the fully qualified host name, you will be able to access the Sametime Welcome Page, but you will not be able to log in.

---

## Validating Sametime Web Conferencing

**Note** This topic applies only to servers with Web Conferencing capability. The steps are unnecessary for servers that are only running the Instant Messaging Limited Use version of Sametime.

You can verify Sametime Web Conferencing by accessing the "Welcome to Sametime" page, creating a New Meeting, and testing the Multimedia Services.

If any of these tasks fail to work, see technote #1108423, "Sametime for iSeries: Most Common Problems" at the following Web site:

<http://www.ibm.com/support/docview.wss?rs=203&uid=swg21108423>

## Accessing the Welcome to Sametime page

To access the "Welcome to Sametime" page, follow these steps:

1. Start your Web browser.
2. Enter the following URL:

`http://hostname/stcenter.nsf`

where *hostname* is the fully qualified host name of the Sametime server you want to access.

**Note** Make sure you specify the server's fully qualified host name, such as `http://stserver.acme.com/stcenter.nsf`. If do not use the fully qualified host name, you will be able to access the Sametime Welcome Page, but you will not be able to log in.

## Creating a New Meeting

To create a new meeting, follow these steps:

1. From the Welcome to Sametime page, click **Schedule a Meeting**.
2. From the New Meeting page, choose a meeting type and enter a meeting name.
3. Leave yourself selected in the Moderator field.
4. Click **Start Now**.
5. Choose a duration for the meeting.
6. Click **Save**, and the meeting should start.

**Note** If the Meeting Details page displays and the meeting does not begin, click the Refresh button in your browser. The meeting starts in a separate browser window.

## Testing the Multimedia Services

You can test the audio/video client to verify that the Multimedia Services are operating correctly. For more information about system requirements for audio/video capabilities, see "Sametime client requirements" in Chapter 1.

To test the Multimedia Services, follow these steps:

1. From your Web browser, access the Welcome to Sametime page by entering the following URL:

`http://hostname/stcenter.nsf`

where *hostname* is the host name or the TCP/IP address of the Sametime server you want to access.

2. From the Welcome to Sametime page, click **Attend a Meeting**.

3. From the Active Meetings page, click **Test Audio/Video** and follow the instructions on the screen to test your audio/video devices.

**Note** All users should test their audio/video devices before participating in a multimedia meeting on the Sametime server.

For detailed information about the operation and configuration of the Multimedia Services, see the *Lotus Sametime Administrator's Guide* (sthelpad.nsf).

---

## (Upgrade only) Completing the upgrade process

After upgrading to Sametime 7, perform the following tasks as appropriate for your environment to complete the upgrade process:

- The original versions of several files are saved during the upgrade process in case you need to examine them after the upgrade completes. The original meetingsserver.ini file is saved in the server data directory as meetingsserver.bak. The sametime.ini and stconfig.nsf files are saved in a subdirectory of the server data directory. The name of the subdirectory is ST25BU, ST30BU, ST30ABU, ST31BU or ST651BU depending on which release of Sametime was running prior to upgrade.
- For servers with Web Conferencing capability: If you are currently using Sametime Conversion Services, you should upgrade your conversion server after upgrading your Sametime server. For more information, see the *Lotus Sametime 7 Conversion Services Setup Guide*.
- If you have Sametime servers located on different systems or LPARs that reside in the same community with a Sametime 7 server, all of the servers in the community should eventually be upgraded to Sametime 7 or Sametime 6.5.1. (Interoperability with Sametime 3.0, 3.0a and 3.1 is supported only during the upgrade process.)
- If you had integrated your previous release of Sametime with any of the following products, you may need to perform additional steps to ensure your environment continues to function properly.
  - Notes and Domino  
For more information, see the Lotus Domino 7 Administrator Help database (HELP7\_ADMIN.NSF).
  - Domino Web Access  
For more information, see the Lotus Domino 7 Administrator Help database (HELP7\_ADMIN.NSF).
  - Lotus QuickPlace  
For more information, see "Setting up Lotus QuickPlace to work with Lotus Sametime" in the *Lotus QuickPlace 7 Installation and Upgrade Guide*.

- If you upgraded your Domino server from Domino 5 or Domino 6, be aware that the LDAP task may have been enabled by default even if the server was not running the LDAP task before the upgrade. To disable LDAP on your Domino server, run the following from any OS/400 command line:

```
CHGDOMSVR SERVER(<Domino_server_name>) DIRSRV(*NONE)
```

---

## Chapter 6

# Deploying the Sametime client software

Sametime users collaborate through a variety of client applications, which interact with the services running on the Sametime server. This chapter provides information on the different types of client applications available and how to deploy them.

**Note** This chapter does not include instructions on setting up Sametime users. For information on setting up Sametime users, see the *IBM Lotus Sametime Administrator's Guide*.

Topics covered in this chapter include:

- Summary of the different types of Sametime clients
- Sametime Client Packager
- Sametime Installer for Secure Desktops

---

### Summary of the types of Sametime clients

The following table contains information on the different types of Sametime clients available, which version(s) of Sametime they are supported with, and where to find additional documentation:

<i>Client type</i>	<i>Available for use with full version of Sametime</i>	<i>Available for use with Instant Messaging Limited Use</i>	<i>Notes</i>
Sametime Connect for browsers	Y	Y	Available from main page, no deployment or setup required.
Notes client	Y	Y	Must enable integration with Sametime server.  For more information, see the Lotus Domino 7 Administrator Help database (HELP7_ADMIN.NSF).

*continued*

<i>Client type</i>	<i>Available for use with full version of Sametime</i>	<i>Available for use with Instant Messaging Limited Use</i>	<i>Notes</i>
Domino Web Access	Y	Y	Must enable integration with Sametime server.  For more information, see the Lotus Domino 7 Administrator Help database (HELP7_ADMIN.NSF).
Sametime Connect for the desktop	Y	N	Can be downloaded from Welcome Page of a full Sametime server.  Client Packager available. For more information, see "Sametime Client Packager."
Meeting Room Clients	Y	N	Downloaded automatically when attending meeting if user has administrator rights to their client workstation.  Can use Sametime Installer for Secure Desktops to download if user does not have administrator rights. For more information, see "Sametime Installer for Secure Desktops."
C++ toolkit clients	Y	N	
Java toolkit clients	Y	N	
Sametime links clients	Y	N	Sametime links clients other than Domino Web Access are not supported with the Instant Messaging Limited Use version of Sametime.

---

## Sametime Client Packager

The Sametime Client Packager application allows you to create a customized version of Sametime Connect for the desktop that your users can download and install from your Sametime server. If you choose not to create a customized installation package, each user will have to enter the connectivity settings.

**Note** Sametime Connect for the desktop is an optional feature of the full version of Sametime (\*BASE and Option 1). If you are using the full version of Sametime, you can also have your users use Sametime Connect for browsers, which is a signed Java applet that can be downloaded from the Welcome to Sametime page.

This procedure creates a self-extracting install file named SametimeClient.exe. After creating this file, you must place it in a particular directory on your Sametime server so users can access it from the Sametime server home page. This is explained further in "Placing the customized Sametime Connect for the desktop client on the server" later in this section.

To prepare this self-extracting file, follow these steps:

1. From a Windows workstation with Administrator privileges, place the Sametime 7 Components CD into the CD-ROM drive.
2. Double-click the SametimeClientPackager.exe file from the CD to launch the setup wizard.
3. After reading the Welcome screen, click **Next**.
4. Click **Yes** to accept the license agreement.
5. In the **Client Setup Location** window, select the folder to which the created package will be written.
6. In the **Default Client Installation Location** window, select the default folder to which the user will install the client. For example, enter C:\Program Files\Lotus\Sametime Client
7. In the **Select Features** window, choose whether you want to include the Directory Browsing feature in the Sametime Connect for the desktop client. This feature allows browsing of the corporate directory by adding a "Directory..." button in the "Add Person or Group" and "Add to Invitation" dialog boxes.
8. In the **Connect.ini File** window, you have the option to enter a connect.ini file to be copied to the Sametime Client setup file. By supplying an .ini file, the connection information will be set up for each user. This keeps each user from having to do this manually. A default connect.ini file is located in the client installation directory. You can edit this in any text editor to customize it for your situation.

**Note** If you supply a connect.ini file, the Packager will proceed to Step 14. If you do not want to supply a connect.ini file, leave this field blank and continue to the next step.

9. In the **Automatic Logon** window, choose whether or not users can save their username, password, and proxy information to the .ini file.
10. In the **Sametime Connectivity** window, specify the name or IP address and port number of the home Sametime server.
11. In the **Sametime Connection Type** window, choose one of the following types of connections for the Sametime Connect for the desktop client:
  - Direct connection
  - Direct connection using HTTP protocol
  - Proxy connection

If you chose to use a proxy connection, you will be prompted to enter the proxy type (HTTPS, SOCKS4, SOCKS5 or HTTP) and proxy server settings (name or IP address and port number of the proxy server).

12. In the **Allow installation with no user interaction** window, specify whether to run the install with all of the default settings, with no user interaction during the install process.
13. In the **Keep-Alive Message Timeout** window, specify how often Sametime checks the connectivity between the Sametime Connect for the desktop client and the Sametime server by entering a time in seconds.

**Note** To disable this feature, specify zero (0).

14. In the **Silent install** window, specify whether the Connect client can be installed silently without user interaction.
15. The **Create Package** window displays a summary of the settings you have specified. Click Next to start copying the files. The client installation package is created and written to the location you specified.
16. The **Packaging Complete** window notifies you that the package has been created. Click **Finish**.

Continue to the next section, "Placing the customized Sametime Connect for the desktop client on the server" to make the client available for your users.

---

## Placing the customized Sametime Connect for the desktop client on the server

To place your customized SametimeClient.exe file on the server so users can access it from the Sametime server home page, you must copy the file to the domino/html/sametime subdirectory of the Sametime server data directory. For example:

```
/servername/notes/data/domino/html/sametime
```

where *servername* is the name you specified when you created the Domino server.

**Note** You can copy the file either using FTP or by mapping the Domino html directory on the IFS as a network drive to your workstation. For more information on using FTP to copy the files, see the book, *Installing and Managing Domino for i5/OS*.

After copying the SametimeClient.exe file to the server, you must change the ownership to QNOTES by following these steps:

1. Locate the SametimeClient.exe file.

- Open iSeries Navigator.
- Open the system where you added Sametime.
- Click **File Systems**.
- Click **Integrated File System**.
- Click **Root**.
- Click each directory in the path of the Domino data directory.

For example, if the Domino data directory is */servername/notes/data*, click *servername-->notes-->data*.

- Click **domino**.
- Click **html**.
- Click **sametime**.

Page down until you see SametimeClient.exe listed in the right pane. You may need to page down to the end of the list to find files beginning with uppercase characters.

2. Change the ownership of the SametimeClient.exe object.

- Right-click **SametimeClient.exe** and select **Permissions**.
- Click the **Owner** button.
- In the Select new owner field, expand **All Users**.
- Click **Qnotes** and make sure the "Remove all permission from current owner" box is checked.
- Click **OK**.

3. Verify that all check boxes after Qnotes are checked except Exclude, and that Exclude is the only box checked after Public.
  - Click **Apply** and close the **Permissions** window.

---

## Sametime Installer for Secure Desktops

The Sametime Installer for Secure Desktops (SISD) uses an InstallShield® wizard to install the following Java clients on a workstation:

- Sametime Connect for browsers
- Sametime Meeting Room client
- Sametime Broadcast client
- Sametime Directory applet

**Note** For the Instant Messaging Limited Use version of Sametime, all of the Java clients are installed but only the Sametime Connect for browsers client is used.

Normally, users must download each of these clients separately. SISD saves time by allowing users to install all of the clients at once.

SISD is particularly useful if your users do not have administrator privileges for their computers, because these users are unable to install the Sametime clients from the server. Without the clients, they cannot attend Sametime meetings, use Sametime Connect for browsers, or access the directory to locate other Sametime users.

With SISD, the system administrator (or any user with administrator privileges) can quickly install all of the Sametime clients listed above onto a user's machine.

The Sametime Installer for Secure Desktops is located in the \SecureDesktop directory of the Sametime Components CD. See the Securedesktop\_readme.txt file located in the same directory for installation instructions and a detailed list of the client workstation requirements.

---

# Chapter 7

## Managing Sametime

You can manage a Sametime server in any of the following ways:

### Using iSeries Navigator

This chapter explains how to manage your Sametime server using iSeries Navigator. With iSeries Navigator, you can do the following:

- Start a Sametime server.
- End a Sametime server.

### Using i5/OS commands

Managing your Sametime server using commands offers a few functions that are not available using iSeries Navigator. With commands, you can do the following:

- Start a Sametime server
- End a Sametime server
- Start the Sametime components on a Domino server that is already running
- End the Sametime components on a Domino server that is already running
- Change an existing server to limited use or full Sametime
- Change the IP address and host name settings of a Sametime server
- Remove Sametime from a Domino server.

### Using the Sametime Administration Tool

The Sametime Administration Tool can be accessed from the Server Administration link on the Welcome to Sametime page after completing the installation and setup procedures. It allows you to manage a wide variety of activities related to your Sametime server, including the following:

- Manage Community Services.
- Manage Meeting Services.
- Manage Server activity.
- Manage users.
- Control self-registration.

For more information about the Sametime Administration Tool, see the *Lotus Sametime Administrator's Guide* (sthelapad.nsf).

---

## Starting a Sametime server

The steps for starting a Sametime server are the same as those for starting a Domino server. You can start a Sametime server using iSeries Navigator or i5/OS commands.

### Starting a Sametime server using iSeries Navigator

To start a Sametime server using iSeries Navigator, follow these steps:

1. Open iSeries Navigator.
2. Start the Sametime server.
  - Open the system where you added Sametime.
  - Click **Network**.
  - Click **Servers**.
  - Click **Domino**.
  - Right-click the Domino server where you added Sametime and select **Start**.
3. Periodically press F5 to refresh and wait for the server status to be Started.  
**Note** Starting the Sametime server may take a few minutes.

To confirm that all Sametime components have started, follow these steps:

4. Open iSeries Navigator.
5. Open the system where you added Sametime.
6. Click **Work Management**.
7. Click **Server Jobs**, and look for the STMSACTPRV status to be Running.

### Starting a Sametime server using commands

1. To start a Sametime server using commands, follow these steps:
2. On any i5/OS command line, type the following command and press Enter:  
`WRKDOMSVR`
3. On the Work with Domino Servers display, start the server by typing 1 in the Opt column next to the Domino server where you added Sametime and press Enter.
4. Press Enter to confirm your server selection.
5. Periodically press F5 to refresh your screen and wait for the Domino server status to be \*STARTED.

To confirm that all Sametime components have started, type 5 in the Opt column next to the server and press Enter to display the Domino console.

On the Display Domino Console display, look for the message "Sametime: Server startup successful" which indicates that all Sametime components have started. You may need to press F5 periodically to refresh the screen until this message is displayed.

---

## Ending a Sametime server

The steps for ending a Sametime server are the same as those for ending a Domino server. You can end a Sametime server using iSeries Navigator or i5/OS commands.

### Ending a Sametime server using iSeries Navigator

To end a Sametime server using iSeries Navigator, follow these steps:

1. Open iSeries Navigator.
2. End the Sametime server.
  - Open the system where you will end Sametime.
  - Click **Network**.
  - Click **Servers**.
  - Click **Domino**.
  - Right-click the Domino server where you added Sametime and select **Stop**.
3. Periodically press F5 to refresh and wait for the server status to be **Stopped**.

**Note** Stopping the Sametime server may take a few minutes.

### Ending a Sametime server using commands

To end a Sametime server using commands, follow these steps:

1. On any i5/OS command line, type the following command and press Enter:  
**WRKDOMSVR**
2. On the Work with Domino Servers display, end the server by typing 6 in the Opt column next to the Domino server where you added Sametime and press Enter.
3. Press Enter to confirm your server selection.
4. Periodically press F5 to refresh your screen and wait for the Domino server status to be \*ENDED.

---

## Starting the Sametime components on a Domino server that is already running

By default, the Sametime components automatically start whenever a Domino server is started. However, if a Domino server is already running, and you want to start the Sametime components, then follow these steps:

1. On any i5/OS command line, enter the Work with Domino Console command and press F4:  
`WRKDOMCSL`
2. Enter the server name and press Enter.
3. On the console command prompt, type the following and press Enter:  
`load STADDIN2`
4. Periodically press F5 to refresh your screen and look for a message that Sametime has started and is running.

---

## Ending the Sametime components on a Domino server that is already running

If you want to stop the Sametime components but leave the Domino server running, follow these steps:

**Note** You cannot stop individual Sametime components on i5/OS.

1. On any i5/OS command line, enter the Work with Domino Console command and press F4:  
`WRKDOMCSL`
2. Enter the server name and press Enter.
3. On the console command prompt, type the following and press Enter:  
`tell STADDIN2 quit`
4. Periodically press F5 to refresh your screen and look for a message that says Sametime has ended.

---

## Changing an existing server to limited use or full Sametime

Each Sametime server is either a full Sametime server, or a limited use server providing only the capability included with Lotus Sametime, Instant Messaging Limited Use. Lotus Sametime for i5/OS allows you to change an existing server from Sametime to Instant Messaging Limited Use, and vice-versa, using the CHGLSTDOM command.

**Note** In order to change a server from Instant Messaging Limited Use to full Sametime, the full version of Sametime (product options \*BASE and 1) must be installed on your system.

To change a server from full Sametime to Instant Messaging Limited Use, or vice-versa, follow these steps:

1. End the Sametime server.
2. On any i5/OS command line, type the following and press F4:  
`CHGLSTDOM`
3. On the Change Sametime on Domino display, set **Web Conferencing** to \*YES to change the server into a full Sametime server, or \*NO to change it into an Instant Messaging Limited Use server.
4. Press Enter to run the command.
5. Start the Sametime server.

---

## Changing the IP address

Your Sametime server should be set up so that it uses host names and does not refer directly to IP addresses. This allows you to change the IP address for your Sametime server by simply updating the host table and DNS.

To change the IP address for your Sametime server, follow these steps:

1. Update your host table so that the new IP address is associated with the appropriate host name. Make sure that the fully qualified host name is listed first among the entries for your Sametime server, before any short names. For more information, see "Updating the host table" in Chapter 2 or "Updating the host table using commands" in Appendix B.
2. Likewise, update your DNS entries so that the new IP address is associated with the appropriate host name. Check whether your server is configured to search the Domain Name Server (DNS) before the host table. If it is, you must also make sure that the fully qualified host name of your Sametime server is listed first in the DNS. To check the configured search order, see "Updating the Domain Name Server" in Chapter 2 or "Updating the Domain Name Server" in Appendix B.
3. Stop and restart the Sametime server for the changes to take effect.

For detailed information about verifying and changing these values, see Chapter 2 "Preparing the TCP/IP Environment."

---

## Changing the host name

The i5/OS command CHGLSTDOM simplifies the process for changing the host name setting of a Sametime server. The procedure described in this section can also be used to correct problems with the configuration of your Sametime server. For example, if your TCP/IP host table did not correctly list the fully qualified host name first at the time that you setup your Sametime server, many elements of your Sametime server configuration may be incorrect. You can correct this type of server configuration problem by following this procedure to change the host name.

To change the host name, follow these steps:

1. Update your host table so that the new host name is associated with the appropriate IP address. Make sure that the fully qualified host name is listed first among the entries for your Sametime server, before any short names. For more information, see "Updating the host table" in Chapter 2 or "Updating the host table using commands" in Appendix B.
2. Likewise, update your DNS entries so that the new host name is associated with the appropriate IP address. Check whether your server is configured to search the Domain Name Server (DNS) before the host table. If it is, you must also make sure that the fully qualified host name of your Sametime server is listed first in the DNS. To check the configured search order, see "Updating the Domain Name Server" in Chapter 2 or "Updating the Domain Name Server" in Appendix B.
3. End the Sametime server.
4. Update the host name for the Domino server using the CHGDMSVR command. For detailed information on changing the configuration of a Domino server, refer to "Updating the configuration of existing Domino servers using commands" in Appendix B.
5. On any i5/OS command line, type the following and press F4:  
**CHGLSTDOM**
6. On the Change Sametime on Domino display, specify the following:
  - The name of the Sametime server where you want to make this change (for example, stdom1).
  - The new fully qualified host name for the Sametime server (for example, stdom1.acme.com).

Press Enter to run the command. The CHGLSTDOM command does the following:

- Updates the **Ports - Notes Network Ports - Net Address** field in the Server document.
- Adds the host name to the **Internet Protocols - HTTP - Host name** field in the Server document.

- Updates Sametime files that reference the host name.
7. Start the Sametime server.
  8. Open the Domino directory (names.nsf) on your Sametime server and edit the Server document. Look at the **Internet Protocols - HTTP** tab in the Server document and locate the **Basics - Host name(s)** field.
  9. The **Basics - Host name(s)** field may contain more than one name. If any of the names are incorrect or not needed, delete them. Make sure that the correct fully qualified host name is listed first in the field.
  10. Save and close the Server document.
  11. If you are using HTTP Tunneling with multiple IP addresses, then additional configuration updates are required. See "Updating the host names when using HTTP Tunneling with multiple IP addresses."
  12. Stop and restart the Sametime server for the changes to take effect.

---

## Updating the host names when using HTTP Tunneling with multiple IP addresses

If you are using HTTP Tunneling with multiple IP addresses, then you must update your configuration manually after using the CHGLSTDOM command. If you are not using HTTP Tunneling with multiple IP addresses then you can skip this step.

The CHGLSTDOM command placed the new host name to the tunneling host name fields, but did not preserve the required prefixes, such as *community-*, *meeting-* and *broadcast-*, in the Sametime configuration. Use the Sametime Administration tool to update the host names in the following fields in the "Connectivity" section:

- **Community Services Network settings -> Address for client connections-Host name** should have prefix of *community-*
- **Community Services Network settings -> Address for HTTP tunneled client connections-Host name** should have prefix of *community-*
- **Meeting Services Network settings -> Address for HTTP tunneled client connections-Host name** should have prefix of *meeting-*
- **Broadcast Services Network settings -> Broadcast Gateway address for HTTP tunneled client** should have prefix of *broadcast-*

---

## Removing Sametime from a Domino Server

When you remove Sametime from a Domino server, all files related to Sametime that were added to the Domino server data directory or were created while running Sametime components are removed. Updates that were made to the Domino Directory, including person documents, server documents and changes to the ACL are not removed. To remove Sametime from a Domino server, follow these steps:

1. End the Domino server where you plan to remove Sametime.
2. On any i5/OS command line, type the following command and press F4:  
`RMVLSYSDOM`
3. Enter the name of the Domino server where you want to remove Sametime and press Enter.
4. When prompted, type a "g" to complete the Remove Sametime from a Domino server command.  
A message will appear indicating that Sametime has been removed.
5. Using the Domino Administrator Application, modify the Domino server document by changing the "Is this a Sametime server?" field to No.
6. Delete any Sametime Connection documents between this Sametime server and other Sametime servers.

The server is once again a Domino server.

---

## Chapter 8

# Optional Configurations for Sametime

This chapter provides information about Sametime components that are not required for using Sametime. The following sections explain optional configurations that you may want to implement in your collaborative environment. The topics covered in this chapter include the following:

- Using Sametime Conversion Services for whiteboard attachments
- Enabling the capability to save whiteboard contents
- Using the limited use version of Sametime in an environment that includes full Sametime servers
- Installing Sametime toolkits
- Using a Community Services multiplexer
- Using a SIP Gateway and a SIP Connector

---

### Using Sametime Conversion Services for whiteboard attachments

Lotus Sametime Conversion Services expands the capability of your Sametime server to display meeting attachments in the whiteboard of your meetings and improves convenience for your users.

In order to have meeting attachments displayed automatically on the whiteboard of a Sametime meeting, you must install and configure an optional component of Sametime called Sametime Conversion Services. If you choose not to install Sametime Conversion Services, users must use the Sametime Print Capture Utility to process each meeting attachment for display on the whiteboard. For more information on the Sametime Print Capture Utility, see the *Lotus Sametime Administrator's Guide* (sthelpad.nsf).

With Sametime Conversion Services, it is not necessary to prepare most meeting attachments with the Print Capture Utility. Setting it up is straightforward for the administrator. Your system administrator installs Sametime Conversion Services on a Windows workstation or server (referred to as the Sametime Attachment Conversion server). In addition, the administrator provides the Sametime server with the information necessary to communicate with the Sametime Attachment Conversion server.

Once the administrator completes the setup for Sametime Conversion Services, using it is transparent to end users. When a document is attached to a meeting, the Sametime server automatically sends the document to the Sametime Attachment Conversion server. The conversion server converts the attachment to the appropriate format and sends it back to the Sametime server, where it is attached to the meeting. The attachment can then be displayed in the whiteboard of the meeting.

Lotus Sametime 7 Conversion Services is available on the Sametime Components CD. The Sametime Components CD also includes the *Lotus Sametime 7 Conversion Services Setup Guide*, which contains detailed information on how to install Sametime Conversion Services, including hardware and software requirements, administration and troubleshooting tips, and planning considerations.

---

## Enabling the capability to save whiteboard contents

The ability to save the contents of the whiteboard allows users to keep changes that are made to a file displayed during a meeting.

Complete the following steps to enable the capability to save whiteboard contents:

1. Install OS/400 - Portable Application Solutions Environment (PASE), 5722SS1 option 33. See the product documentation for details.
2. Locate the `meetingserver.ini` file in your Sametime server's data directory and open it for editing. Use iSeries Navigator or the EDTF command to open and edit the file.
3. Search for the following setting in the `meetingserver.ini` file:  
`-Djava.awt.headless`

This setting is located in the  
[SOFTWARE\Lotus\Sametime\MeetingServer\Services\JavaServiceManager]  
section of the file, in the `ArgString` keyword value.

4. By default, this setting is **false**. Change the setting as shown:  
`-Djava.awt.headless=true`

**Caution** Do not change this setting to true unless you have installed PASE. If you change the setting and PASE is not installed, you may encounter server crashes.

5. Save the file and restart the Sametime server in order for the change to take effect.

6. If the option to save the contents of the whiteboard does not appear to be available to meeting room moderators, you must update your server configuration. From the Sametime server home page, click **Administer the Server**. Then click **Configuration -> Meeting Services -> General**. Select **Allow people to save whiteboard annotations as attachments to the meeting**. Click **Update** and restart the server for the change to take effect.

**Note** If the option to save the contents of the whiteboard appears to be available, but the save operation never completes, you most likely do not have the required software installed. You can either install OS/400 - Portable Application Solutions Environment (PASE), 5722SS1 option 33, or you can change your server configuration so that the option does not appear to be available. To change the server configuration, follow the instructions in step 5 except deselect **Allow people to save whiteboard annotations as attachments to the meeting**.

---

## Using the limited use version of Sametime in an environment that includes full Sametime servers

You can deploy the Instant Messaging Limited Use version of the Sametime server into an environment that includes full Sametime servers, allowing all of your users to communicate with each other through instant messaging. However, in this environment, you must take steps to ensure that only users who are licensed to use the full Sametime servers can create or attend meetings on those Sametime servers. Also, only full Sametime server users can use the Sametime Connect for the desktop client available with the full Sametime server.

**Note** To deploy Instant Messaging Limited Use servers and full Sametime servers on the same logical partition (LPAR), you must have \*BASE and Option 1 of the product installed. Because Option 1 is installed, each new server you create is by default a full Sametime server. To change it to an Instant Messaging Limited Use server, see "Changing an existing server to limited use or full Sametime " in Chapter 7.

To ensure that users of the Instant Messaging Limited Use version of Sametime do not use features of the full Sametime servers for which they are not licensed, you must perform the following procedures:

1. Assign users to an appropriate home Sametime server
2. Prevent instant messaging only users from creating or attending meetings

For detailed information about these procedures, see *Lotus Sametime 7 Administrator's Guide*. The *Lotus Sametime 7 Administrator's Guide* also discusses end user issues that occur in an environment that includes both the Instant Messaging Limited Use version of the Sametime server and the full version of the Sametime server.

---

## Installing Sametime toolkits

Sametime toolkits allow you to add Sametime capabilities to other applications. The toolkits and the toolkit documentation can be downloaded from the Lotus developerWorks product page for Lotus Sametime. You can access the Sametime product page from the following Web page:

<http://ibm.com/developerworks/lotus/products>

---

## Using a Community Services multiplexer

Deploying a Community Services multiplexer can improve the performance of your Sametime server. The multiplexer component maintains connections from Sametime clients to the Community Services on a Sametime server.

You can install and configure the community services multiplexer on one or more Windows servers in order to reduce the client connection load on your Sametime server.

For more information, see "Deploying separate Community Services multiplexers" in the *Lotus Sametime Administrator's Guide* (sthelpad.nsf). This is located in the section "Setting up a Community Services cluster without clustering the Meeting Services."

When directed to install the Community Services multiplexer, run the file Setup.exe located in the CommunityMux directory on the Lotus Sametime Components CD.

The minimum system requirements for the Community Services multiplexer machine are the same as the system requirements for running the Sametime product on a Windows server. For more information, see the *Lotus Sametime Installation Guide for Windows* which is available at the Lotus Developer Domain Documentation Library at the following Web address:

<http://www.ibm.com/lotus/ldd/doc>

---

## Using a SIP Gateway and a SIP Connector

Deploying a Session Initiation Protocol (SIP) Connector and enabling the SIP Gateway are optional procedures you can perform if you want users in your Sametime community to share presence and instant messaging capabilities with users in another SIP-enabled community.

The SIP Gateway and an integrated SIP Connector are each installed automatically during the Sametime 7 installation or upgrade and reside on your Sametime server by default. Administrators must enable these features for this functionality to be available for users. You also have the option to install a SIP Connector on a separate, dedicated Windows system.

Detailed information about enabling the SIP Gateway functionality is available in the *Lotus Sametime Administrator's Guide* (sthelapad.nsf).



---

## **Appendix A**

# **Sametime Installation and Configuration Checklists**

This appendix contains checklists to help you complete the installation and configuration of IBM Lotus Sametime or IBM Lotus Sametime, Instant Messaging Limited Use. Use the checklist appropriate for your deployment:

- New installation checklist
- Upgrade checklist

## New installation checklist

Use the following checklist to help you with a new installation of Lotus Sametime or Lotus Sametime, Instant Messaging Limited Use.

<i>Task</i>	<i>Complete</i>
<p>Review the Readme file on the Sametime 7 for i5/OS CD-ROM for any information not available at the time this document was published. Any additional updates will be posted as they become available on the Sametime for i5/OS Web site at the following address:  <a href="http://www.ibm.com/eserver/series/sametime">http://www.ibm.com/eserver/series/sametime</a></p>	
<p>Verify that your server meets the minimum hardware and software requirements for Sametime.            For more information, see the section, "Lotus Sametime requirements" in Chapter 1. Note that i5/OS V5R3 is required for Domino 7 and Sametime 7. If you are currently using OS/400 V5R1 or V5R2, you must upgrade to i5/OS V5R3 before installing Sametime 7.</p>	
<p>Prepare the TCP/IP environment.            For more information, see Chapter 2 "Preparing the TCP/IP Environment."</p>	
<p>Prepare the Sametime environment by configuring a Domino server where you will add Sametime.            See Chapter 3 "Preparing a new Sametime environment."</p>	
<p>Install Sametime on your system.            For more information, see Chapter 5 "Installing Sametime."</p>	
<p>Add Sametime to the Domino server.            See "Adding Sametime to a Domino Server" in Chapter 5.</p>	
<p>Deploy the Sametime client software and add users to the Sametime server.            For information on deploying the Sametime client software, see Chapter 6 "Deploying the Sametime client software."            For information on adding users, see the <i>Lotus Sametime Administrator's Guide</i> (sthelpad.nsf).</p>	
<p>Once your Sametime server is up and running, you may want to take advantage of the optional configurations detailed in Chapter 8 "Optional Configurations for Sametime."</p>	

## Upgrade checklist

Use the following checklist to help you upgrade an existing Lotus Sametime environment to either the full version of Sametime or the Instant Messaging Limited Use version of Sametime.

<i>Task</i>	<i>Complete</i>
<p>Review the Readme file on the Sametime 7 for i5/OS CD-ROM for any information not available at the time this document was published. Any additional updates will be posted as they become available on the Sametime for i5/OS Web site at the following address:  <a href="http://www.ibm.com/eserver/series/sametime">http://www.ibm.com/eserver/series/sametime</a></p>	
<p>Verify that your server meets the minimum hardware and software requirements for Sametime.            See the section "Lotus Sametime requirements" in Chapter 1.            Note that i5/OS V5R3 is required for Domino 7 and Sametime 7. If you are currently using OS/400 V5R1 or V5R2, you must upgrade to i5/OS V5R3 before installing Sametime 7.</p>	
<p>Make sure that all of your Sametime servers are ready to be upgraded.            See Chapter 4 "Preparing to upgrade an existing Sametime environment."</p>	
<p>Install Sametime 7 on your system. Your existing Sametime servers will be upgraded automatically during the installation process.            For more information, see Chapter 5 "Installing Sametime."</p>	
<p>Review the client software information for Sametime 7 to make sure existing users can continue to access Sametime. If you are using the full version of Sametime, make sure your users download the new version of the Sametime Connect client.            See Chapter 6 "Deploying the Sametime client software."</p>	
<p>Once your Sametime server is up and running, you may want to take advantage of the optional configurations detailed in Chapter 8 "Optional Configurations for Sametime." Also if you are currently using certain optional configurations of Sametime, such as Sametime Conversion Services, you may need to upgrade them.</p>	



---

## Appendix B

# Preparing the TCP/IP Environment Using Commands

Your Sametime server must be configured to use one or more specific TCP/IP addresses so that it will not attempt to share TCP/IP ports with any other HTTP servers on your system. This appendix guides you through the process of verifying your TCP/IP configuration, making changes if necessary to resolve conflicts between servers, and gathering the TCP/IP information that you will need to configure your Sametime server.

Preparing your TCP/IP environment for Sametime involves the following tasks:

- Verify host table entries.
- Verify configuration of existing Domino servers.
- Select a TCP/IP address for your Sametime server.
- Add a TCP/IP address if necessary.
- Update your host table.
- Update the configuration of existing Domino servers.
- Update the IBM HTTP server configuration.

---

### Verifying host table entries using commands

To determine the list of host table entries that are already defined on your server, follow these steps:

To verify your host table entries, follow these steps:

1. From any i5/OS command line, type the following command and press Enter:  
**CFGTCP**
2. On the Configure TCP/IP display, select option 10 to work with TCP/IP Host Table entries.
3. Record each host name and the corresponding TCP/IP address as you may need this information later.

---

## Verifying configuration of existing Domino servers using commands

**Note** If you do not have any Domino servers configured on your system, you can skip this section.

To determine which TCP/IP addresses are currently being used by your Domino servers, follow these steps:

1. From an i5/OS command interface, sign on to your server.

**Note** The following steps assume that your Domino servers are already started.

2. Verify the current TCP/IP addresses for each Domino server by entering the following command:

```
WRKDOMCSL servername
```

where *servername* is the name of your Domino server.

3. From the Domino Console display, type the following command and press Enter:

```
sh port tcpip
```

4. Press F5 to refresh the screen.

The show port TCP/IP command displays the TCP/IP address that the Domino server is using.

- If the server is using only one TCP/IP address, you will see a specific TCP/IP Local Address listed using port 1352. For example, 10.1.2.3:1352.
  - If the server is using all active TCP/IP addresses, you will see \*:1352 displayed as the Local Address rather than a particular TCP/IP address.
5. Record the results for each Domino server, as you will use this information later.

---

## Selecting a TCP/IP address for your Sametime server using commands

In this section you will determine which TCP/IP addresses are already defined on your system and decide which address you will use for your Sametime server. You will also determine whether you will need to define additional TCP/IP addresses in order to avoid conflicts between servers.

1. Determine which TCP/IP addresses are currently defined for your system:

- From any i5/OS command line, type the following command and press Enter:

```
CFGTCP
```

- On the Configure TCP/IP display, select option 1 to Work with TCP/IP interfaces and display a list of the currently defined TCP/IP interfaces.
2. Verify that each of the TCP/IP addresses you recorded when you looked at the Host Table or ran the 'sh port tcpip' command is currently defined.
  3. Verify that the system has enough TCP/IP addresses defined so that you can assign at least one for the exclusive use of each of the following:
    - Your Sametime server
    - Each existing Domino server
    - Each instance of the IBM HTTP server running on your system
  4. Contact your network administrator to assign additional TCP/IP addresses and host names if needed.
  5. Ensure that the new host names are also added to your Domain Name Server (DNS).
  6. Select the TCP/IP address you will assign to your Sametime server.
  7. Decide which TCP/IP addresses should be assigned to each existing Domino server and each instance of the IBM HTTP server.

Record this information, as you will use it later to ensure that existing servers are properly bound to specific IP addresses so that their port usage does not conflict with your Sametime server.

If you needed to have additional TCP/IP addresses defined, continue to "Adding a TCP/IP address using commands."

If you did not need to have additional TCP/IP addresses defined, skip to "Updating the host table."

---

## Adding a TCP/IP address using commands

If you did not need to assign additional TCP/IP addresses, you can skip this section.

To add a TCP/IP address to your server, follow these steps:

1. From any i5/OS command line, type the following command and press Enter:  
**CFGTCP**
2. Select option 1 to work with TCP/IP interfaces.
3. On the Work with TCP/IP Interfaces display, type a 1 in the Opt column and press Enter to add a TCP/IP interface.

- On the Add TCP/IP Interface display, enter the following information:

<i>Field</i>	<i>Description</i>
Internet Address	Specify the TCP/IP address you want to add. For example, enter 10.1.2.4.
Line Description	Specify the name of the line description for your LAN adapter. For example, enter TRNLINE.
Subnet Mask	Specify the subnet mask that is appropriate for your interface. For example, enter 255.255.255.0.

- Press Enter to add the new interface and return to the Work with TCP/IP Interfaces display.
- To start an interface, type a 9 beside it and press Enter.

---

## Updating the host table using commands

In this section, you will add an entry in the host table for your Sametime server. If necessary, you will also update the entries for your existing Domino servers.

To add a host table entry for your Sametime server, follow these steps:

- From any i5/OS command line, type the following command and press Enter:  
**CFGTCP**
- Type 10 and press Enter to work with TCP/IP host table entries.
- If one of the TCP/IP addresses that you selected is not listed in the Host Table, follow these steps to add a new entry:
  - Type a 1 in the Opt column next to the blank Internet Address and press Enter to add a Host Table Entry.
  - When the Add TCP/IP Host Table Entry display appears, enter the following information:

<i>Field</i>	<i>Description</i>
Internet Address	Enter the TCP/IP address that you assigned to the Domino server. For example, enter 10.1.2.4.
Host name	Enter the fully qualified name of the Domino server as the host name. For example, enter stdom1.acme.com.

**Note** Although you can add multiple host names for the same IP address, make sure you list the fully qualified name for your Domino server first, before any alternative short names.

- Press Enter to create the Host Table Entry.

4. Follow these steps to update an existing Host Table Entry:

**Note** If the TCP/IP address you want to use is listed in the table, but the corresponding Domino server is not listed as one of the possible host names for that address, you must update the existing host table entry to include the additional host name.

- Type a 2 in the Opt column next to the Internet Address and press Enter to change the Host Table Entry.
- When the Change TCP/IP Host Table Entry display appears, you may need to Page Down to view the currently defined list of host names.
- When you have displayed the last host name, enter a '+' in the '+ for more values' prompt and press Enter.
- When the Specify More Values for Parameter HOSTNAME display appears, replace an existing host name or one of the \*SAME entries with the fully qualified name of your Domino server. For example, stdom1.acme.com.

**Note** The fully qualified name of your Domino server must be listed first in this table.

- Press Enter to update the host name. Press Enter again to change the Host Table Entry.

**Note** You can remove a host name for an Internet Address by following the above steps to update the Host Table Entry and replacing the host name with \*BLANK.

Ensure that the host table entries for any existing Domino servers are correctly defined and they are associated with the TCP/IP addresses you decided they should use in "Selecting a TCP/IP address for your Sametime server."

## Updating the Domain Name Server

If you defined any additional host names, work with your TCP/IP administrator to ensure that the new host names are added to your Domain Name Server (DNS).

If you have configured TCP/IP to search the DNS before searching the host table, you may need to make additional changes in your configuration. Follow these steps to check your TCP/IP Configuration Properties:

1. From any i5/OS command line, type the following command and press Enter:  
**CFGTCP**
2. On the Configure TCP/IP display, type 12 and press Enter to change the TCP/IP domain information.
3. On the Change TCP/IP Domain (CHGTCPDMN) display, look for the "Host name search priority" setting.

```
Change TCP/IP Domain (CHGTCPDMN)
Type choices, press Enter.
Host name . . . . . 'DOM1'
Domain name . . . . . 'ACME.COM'
Domain search list . . . . . *DFT
Host name search priority . . . *REMOTE *REMOTE, *LOCAL, *SAME
Domain name server:
  Internet address . . . . . '10.1.2.4'
  '10.1.2.200'
F3=Exit F4=Prompt F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display F24=More keys
```

If the value is \*REMOTE, either change this value to \*LOCAL or verify with your network administrator that the fully qualified host name is the first value listed in the DNS for the IP address associated with your Sametime server. The fully qualified host name must be listed before any short names in order for your Sametime server to function correctly.

If the value of this field is \*LOCAL, you do not need to take any further action. You already ensured that the fully qualified host name was listed first in your local host table in an earlier step.

**Caution** If you change the "Search order" you must stop and restart TCP/IP in order for the change to take effect.

4. Press F3 to exit.

---

## Updating the configuration of existing Domino servers using commands

**Note** If you do not have any Domino servers configured on your system, skip this section and proceed to "Updating the IBM HTTP server configuration using commands."

In this section, you will ensure your existing Domino servers are correctly bound to the specific fully qualified host names that you have assigned to them. This will prevent them from conflicting with your Sametime server. If necessary, you will modify the existing Domino server settings to enable partitioning and specify a unique fully qualified host name.

Even if you changed your server's fully qualified host name by modifying the server's notes.ini file, the change may not have occurred in the server document. This procedure updates both the server document and the notes.ini file.

1. Using a profile with the authorities listed in Chapter 1, end the Domino server, if it is active, by typing the following command and pressing Enter:

```
ENDDOMSVR DOM1
```

where *DOM1* is the name of the Domino server.

**Note** Ending the Domino server may take a few minutes.

2. Change the Domino server settings by typing the following command and pressing F4:

```
CHGDOMSVR DOM1
```

where *DOM1* is the name of the Domino server.

3. In the Advanced services field, you should see \*PARTITION or \*ALL. If neither value is specified, then specify \*PARTITION.
4. In the Internet Address Field, enter the fully qualified host name for this Domino server.
5. Press Enter.

If the changes to the server settings were successful, the following message is displayed:

```
Command CHGDOMSVR ended successfully.
```

6. Restart the Domino server by entering the following commands and pressing Enter:

```
STRDOMSVR DOM1
```

Where *DOM1* is the name of the Domino server.

**Note** Starting the Domino server may take a few minutes.

7. Using a Domino Administrator Client, edit the server settings in the Server Document so that the Domino HTTP server binds to the specific host name.
  - Select the **Configuration** tab.
  - In the left pane, click **Server** and select **All Server Documents**.
  - Open the server document for the Domino server and click the **Edit Server** button.
  - Select the **Internet Protocols** tab, and then select the **HTTP** tab.
  - In the **Host name(s)** field, verify the DNS name for the TCP/IP address that you specified in the Change Domino Server command.
  - In the **Bind to host name** field, select **Enabled**.
  - Select the **Ports** tab, then select the **Internet Ports** tab, then select the **Web** tab.
  - Verify in the HTTP settings that the TCP/IP port has a port number specified. The default port number is 80.
  - Click **Save and Close**.
8. Stop and restart the Domino server.
9. When the Domino server has restarted, access it through a Notes client or a Web browser to make sure it is still accessible using TCP/IP.

---

## Updating the IBM HTTP server configuration using commands

**Note** If you are not using the IBM HTTP server (either the original version or the version powered by Apache), skip this section and proceed to Chapter 3 "Preparing a new Sametime environment."

If you are using the IBM HTTP server, then you must verify that each instance of the server is bound to a specific TCP/IP address. This will prevent it from conflicting with your Sametime server.

To change the IBM HTTP server settings, follow these steps:

1. If the IBM HTTP server is currently running, type the following command on any i5/OS command line and press Enter to end it:  
`ENDTCPSVR SERVER (*HTTP)`
2. Start the HTTP Administration server by typing the following command and pressing Enter:  
`STRTCPSVR SERVER (*HTTP) HTTPSVR (*ADMIN)`

3. Open the IBM HTTP server configuration page.

- Start your Web browser.
- Enter the following URL:  
`http://mysystem:2001`  
where *mysystem* is the name of your server.
- Click **IBM HTTP Server for AS/400**.
- Click **Configuration and Administration**.
- Select the **Configuration** tab.

4. Select a configuration from the pull-down menu in the left pane.

**Note** Complete the following steps for each configured instance of the IBM HTTP server:

If the **Server type** field indicates **Original**, follow these steps:

- From the list on the left pane, select **Basic settings**.
- In the right pane, enter the IP Address or hostname for this server in the **Host name** field.
- Select the option **Bind server to host IP address**.
- Click **Apply**.

If the **Server type** field indicates **Apache**, follow these steps:

- From the list on the left pane, select **global settings**.
- Click **General Settings** under the **Web Site Definition** heading.
- Find the IP address and port table in the section called **Server IP address and port to listen on**.
- If **All** is listed as the IP address, select that row.
- Edit this field to replace **All** with the IP Address for this server.
- Click **OK**.

5. When each instance of the IBM HTTP server is configured to use a specific IP address, restart the HTTP servers by typing the following command and pressing Enter:

```
STRTCPSVR SERVER (*HTTP)
```

For further information on managing the IBM HTTP server, see the iSeries Information Center at the following Web address:

<http://www.ibm.com/eserver/iseries/infocenter>

You have finished preparing the TCP/IP environment, and can proceed to Chapter 3 "Preparing a new Sametime Environment."



---

## Appendix C

# Setting up a Domino server using commands

When setting up an additional Domino server on your system, you can:

- Set up a Domino server in a new Domino domain.
- Add a Domino server to an existing Domino domain.

**Note** If you plan to use replication functions in your Sametime environment, do not replicate the Sametime Configuration Database (stconfig.nsf) from one server to another.

For more information about the implications of each of these options, see "Sametime configuration options" in Chapter 3.

---

## Setting up a Domino server in a new Domino domain using commands

The steps to create a new server in a new Domino domain are similar to the steps that you followed when you set up your first Domino server. However, there are two differences:

- When you set up this server, you must specify the host name that you have chosen for the Sametime server in the Internet Address field. Do not accept the default value of SYSTEM or leave the Internet Address field blank.
- After you configure the server, you must edit the Server Document for the Domino server to verify several fields before you add Sametime to the Domino server.

1. Configure the Domino server by typing the following command and pressing F4:

```
CFGDOMSVR
```

2. Configure the Domino server with the following settings:

**Note** This chapter only documents settings that directly apply to this Sametime installation. For settings that are not documented below, you can enter your own values.

<i>Field</i>	<i>Description</i>
Server Name	Enter the name of the Domino server where you will add Sametime. For example, enter STDOM1/ACME1.
Option	Specify *FIRST.
Data Directory	Enter the path for the Domino server's data directory. For example, enter /LOTUS/DOMINO/stdom1.
Organization Name	Enter the name of the Domino domain. For example, enter AcmeSametime.
Administrator's Name	Specify the Domino administrator's name. This administrator will also be the Sametime server administrator.
Internet Password	Specify an Internet password for the Domino Administrator. You must specify an Internet password in order to access the Sametime components of this server.
Web Browsers	Specify *HTTP. Sametime requires that you use the Domino HTTP server.
Internet Mail packages	To reduce overhead, specify *NONE. Sametime does not require mail packages.
Directory Services	To reduce overhead, specify *NONE. Sametime does not require Directory services.
Advanced services	Enter *PARTITION, since multiple Domino servers are running on the same system.
Internet Address	Enter the fully qualified host name for the Sametime server.
Bind HTTP	Specify *YES.

3. After you have entered the settings, press Enter and wait for the server configuration to complete.
4. Start the Domino server.

- Using a Domino Administrator client, open the server document and verify the content of the following fields. Update the fields if necessary:

<i>Tab</i>	<i>Field</i>	<i>Setting</i>
Security	Programmability Restrictions: Run unrestricted methods and operations	If you have signed agents with a different signature, then enter that signature here too.
Ports-Notes Network Ports	Port	TCPIP <b>Note</b> This must be specified <i>exactly</i> as shown or you will not be able to add Sametime to this server.
Ports-Notes Network Ports	Net Address	The fully qualified host name for the Domino server. This must not be an IP address and it should match the name specified below in the InternetProtocols-HTTP Host Name field. For example, stdom1.acme.com.
Internet Protocols-HTTP	Mapping: Home URL	Specify the following value if you want the Sametime server home page to be the default page for users accessing the server: stcenter.nsf?Open
Internet Protocols-HTTP	Basics: Host Name(s)	The DNS name for the TCP/IP address for your Sametime server. This should match the name specified above in the Ports-Notes Network Ports --> Net Address field. For example, stdom1.acme.com.
Internet Protocols HTTP	Basics: Bind to host name	Enabled

- If you made changes to the Server Document, stop and restart the Domino server to make the changes take effect.

You have finished configuring the server. Proceed to the section "Verifying the Domino server is accessible" in Chapter 3.

---

## Adding a Domino server to an existing Domino domain using commands

To add a Domino server to an existing Domino domain, follow these steps:

1. Register the additional server for your normal operating environment. You must specify the following settings during registration:

- 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.
- Change the owner of the ID file to QNOTES by entering the following command on any i5/OS command line:

```
CHGOWN IDPATH QNOTES
```

where *IDPATH* is the path for the server ID file.

- 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 book, *Installing and Managing Domino 7 for i5/OS*.

2. Type the following command and press F4:

```
CFGDOMSVR
```

3. Configure the Domino server with the following settings:

**Note** This appendix only documents settings that directly apply to this Sametime installation. For settings that are not documented below, you can enter your own values.

<i>Field</i>	<i>Description</i>
Server Name	Enter the name of the Domino server where you will add Sametime. For example, enter STDOM1/ACME1.
Option	Specify *ADD.
Data Directory	Enter the path for the Domino server's data directory. For example, enter /LOTUS/DOMINO/stdom1.
Get Domino Directory From	Enter the name of the Domino server that has the Domino Directory that this server will use. For example, enter DOM1.
Domino directory type	Specify *CENTRAL.
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.

*continued*

<i>Field</i>	<i>Description</i>
ID file's password	You may specify a password for the ID file if you want.
Web Browsers	Specify *HTTP. Sametime requires that you use the Domino HTTP server.
Internet Mail packages	Specify *NONE.
Directory Services	Specify *NONE to reduce overhead. Sametime does not require Directory services.
Connection Services	Specify *NONE.
Advanced services	Enter *PARTITION, since multiple Domino servers are running on the same server.
Internet Address	Enter the fully qualified host name for the Sametime server.
Bind HTTP	Specify *YES

4. After you have entered the settings, press Enter and wait for the server configuration to complete.
5. Before adding Sametime to your new Domino server, you must verify that several fields in the server document are correct. Depending on how you manage your servers, you may want to verify the Server Document in the Domino Directory for the Domain and replicate any changes to the new server, or start your new server and verify the Server Document located there.

Using a Domino Administrator client, open the Sametime Server Document and verify the content of the following fields, updating the fields if necessary:

<i>Tab</i>	<i>Field</i>	<i>Setting</i>
Security	Programmability Restrictions: Run unrestricted methods and operations	If you have signed agents with a different signature, then enter that signature here too.
Ports-Notes Network Ports	Port	TCPIP <b>Note</b> This must be specified exactly as shown or you will not be able to add Sametime to this server.

*continued*

<i>Tab</i>	<i>Field</i>	<i>Setting</i>
Ports-Notes Network Ports	Net Address	The fully qualified host name for the Domino server. This must not be an IP address and it should match the name specified below in the InternetProtocols-HTTP Host Name field. For example, stdom1.acme.com.
Internet Protocols-HTTP	Mapping: Home URL	Specify the following value if you want the Sametime server home page to be the default page for users accessing the server: stcenter.nsf?Open
Internet Protocols-HTTP	Basics: Host Name(s)	The DNS name for the TCP/IP address for your Sametime server. This should match the name specified above in the Ports-Notes Network Ports --> Net Address field. For example, stdom1.acme.com.
Internet Protocols-HTTP	Basics: Bind to host name	Enabled

6. Click **Save and Close**.
7. If you made changes to the server document, restart the Domino server so the changes take effect.

You have finished configuring the server. Proceed to the section "Verifying the Domino server is accessible" in Chapter 3.

---

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