

Installation Guide

Sun™ ONE Instant Messaging

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About This Guide

This manual describes how to install Sun™ Open Net Environment (Sun ONE) Instant Messaging and its accompanying software components. For the most recent information about known problems with this release, see the *Instant Messaging Release Notes*.

This preface contains the following sections:

- [Who Should Read This Book](#)
- [What You Need to Know](#)
- [How This Book is Organized](#)
- [Conventions Used in This Manual](#)

Who Should Read This Book

You should read this manual if you are responsible for installing and deploying Instant Messaging at your site.

What You Need to Know

This book assumes that you are responsible for configuring, administering, and maintaining the Instant Messaging software, and that you have a general understanding of the following:

- The Internet and the World Wide Web
- Sun ONE Portal Server
- Sun ONE Web Server Enterprise Edition

- Sun ONE Directory Server
- Sun ONE Identity Server

How This Book is Organized

This book contains the following chapters and appendices:

- [About This Guide](#) (this chapter)
- [Chapter 1, “Preparing for Installation”](#)
This chapter describes the requirements needed for planning your installation, and what information you need to gather before installing Instant Messaging .
- [Chapter 2, “Installing Sun ONE Instant Messaging on UNIX”](#)
This chapter describes how to install the Instant Messaging on the Solaris™ operating environment.
- [Chapter 3, “Installing Sun ONE Instant Messaging on Windows”](#)
This chapter describes how to install the Instant Messaging on the Windows platform.
- [Chapter 4, “Configuring Sun ONE Instant Messenger”](#)
This chapter describes how to install the iPlanet Instant Messenger client on both Solaris and Windows.
- [Appendix A, “Uninstalling Instant Messaging”](#)
This appendix describes how to uninstall Instant Messaging components.
- [Appendix B, “Upgrading Instant Messaging”](#)
This appendix describes how to upgrade an Instant Messaging standalone installation.

Conventions Used in This Manual

Monospaced Font

Monospaced font is used for any text that appears on the computer screen or text that you should type. It is also used for file names, distinguished names, functions, and examples.

Bold Monospaced Font

Bold monospaced font is used to represent text within a code example that you should type. For example, you might see something like this:

```
./setup
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```

```
=====
Verifying permissions
Verifying java available
Found java (/usr/j2se/bin/java) version (1.3.0) in the system.
Verifying installation components available
Verifying directories available
Verifying files available
Starting install wizard in graphical mode
```

In this example, **./setup** is what you would type from the command line and the rest is what would appear as a result.

Italicized Font

Italicized font is used to represent text that you enter using information that is unique to your installation (for example, variables). It is used for server paths and names and account IDs.

For example, this document uses URLs such as:

```
http://webserver:webserverport
```

When you are entering your actual information, you substitute your actual web server name and web server port where the words *webserver* and *webserverport* appear italicized. For example, if your web server name is *i-zed*, and the web server port is 9980, then the actual URL you would enter is:

```
http://i-zed:9980
```

Square or Straight Brackets

Square (or straight) brackets `[]` are used to enclose optional parameters. For example, in this document you will see the usage for the `setup` command described as follows:

```
./setup [options] [argument]
```

It is possible to run the `setup` command by itself as follows to start the Instant Messaging installation:

```
./setup
```

However, the presence of `[options]` and `[arguments]` indicates that there are additional optional parameters that may be added to the `setup` command. For example, you could use `setup` command with the `-nodisplay` option to do a command-line install:

```
./setup -nodisplay
```

Command-Line Prompts

Command-line prompts (for example, `%` for a C-Shell, or `$` for a Korn or Bourne shell) are not displayed in the examples. Depending on which operating system environment you are using, you will see a variety of different command-line prompts. However, you should enter the command as it appears in the document unless specifically noted otherwise.

Preparing for Installation

This chapter contains the following sections to help you prepare to install Instant Messaging :

- [Instant Messaging Installation Overview](#)
- [Sun ONE Portal Server System Requirements](#)
- [Sun ONE Instant Messaging System Requirements](#)
- [Instant Messaging Installation Privileges](#)
- [Gathering the Installation Information](#)
- [Installing and Configuring a Directory Server](#)
- [Installing and Configuring a Web Server](#)
- [Installing and Configuring a SMTP Server](#)
- [Installation Options Overview for Instant Messaging](#)

NOTE For the most recent information about this release of Sun ONE Instant Messaging, see the *Instant Messaging Release Notes*.

Instant Messaging Installation Overview

You can install and configure Instant Messaging in one of the following ways:

- As part of the Sun ONE Portal Server environment, Sun ONE Instant Messaging is made available from the Sun ONE Portal Server Desktop, on the Solaris™ platform only.
- As a standalone server.

Whether you install Sun ONE Instant Messaging in the Sun ONE Portal Server environment or as a standalone server, you can configure Instant Messaging according to the requirements of your site. See the *Sun ONE Instant Messaging Administrator's Guide* for more information on configuring Sun ONE Instant Messaging.

NOTE The deployment of Sun ONE Instant Messaging with Sun ONE Portal Server is supported only on the Solaris platform.

Installing Instant Messaging with Sun ONE Portal Server

The steps involved in installing Instant Messaging in the Sun ONE Portal Server environment are:

1. [Gathering the Installation Information.](#)
2. Installing Sun ONE Portal Server. For more information, see the Sun ONE Portal Server documentation at:

`http://docs.sun.com/db/prod/s1.s1portals`
3. Locating or installing a Messaging Server. For more information, see [Installing and Configuring a SMTP Server](#).
4. Installing Instant Messaging. For more information, see [Installing Sun ONE Instant Messaging on UNIX](#).

NOTE You need to install the Portal Server, directory server (optional), and the SMTP server before installing Sun ONE Instant Messaging.

When the Instant Messaging is installed with the Sun ONE Portal Server, users can invoke the Sun ONE Instant Messenger from their Sun ONE Portal Server Desktop. Sun ONE Instant Messenger leverages the Sun ONE Portal Server, Secure Remote Access to provide secure access. In the secure mode, communication between the Sun ONE Instant Messenger and Sun ONE Instant Messaging

Multiplexor is encrypted through the Sun ONE Portal Server Netlet. A lock icon appears in the Sun ONE Instant Messenger's Status area to indicate that you are running Sun ONE Instant Messenger in a secure mode. See the *Sun ONE Portal Server, Secure Remote Access Administrator's Guide* for more information on Netlet.

NOTE You can configure the Sun ONE Instant Messenger for secure mode only if the Sun ONE Portal Server, Secure Remote Access is installed.

Installing Instant Messaging as a Standalone Server

The steps involved in installing Instant Messaging as a standalone server are:

1. [Gathering the Installation Information.](#)
2. [Installing and Configuring a Directory Server.](#)
3. [Installing and Configuring a Web Server.](#)
4. [Locating or Installing a Messaging Server.](#) For more information, see [Installing and Configuring a SMTP Server.](#)
5. [Installing Instant Messaging.](#) For more information, see [Installing Sun ONE Instant Messaging on UNIX](#) or [Installing Sun ONE Instant Messaging on Windows.](#)

NOTE You need to install the LDAP directory server, and the SMTP server before installing Sun ONE Instant Messaging.

When Instant Messaging is installed in a standalone environment, the users can invoke Sun ONE Instant Messenger through a URL from the web browser.

Sun ONE Portal Server System Requirements

Before you install Sun ONE Portal Server, you should verify that the systems on which you need to install the software meet the minimum product requirements. For the most recent information on the product requirements, see the *Sun ONE Portal Server Release Notes* at:

<http://docs.sun.com/prod/s1portalsrv>

NOTE The deployment of Sun ONE Instant Messaging with Sun ONE Portal Server is supported only on the Solaris platform.

Sun ONE Instant Messaging System Requirements

Before you install the Sun ONE Instant Messaging Server, you should verify that the systems on which you plan to install the software meet the minimum product requirements. For more information on the supported platforms, software and hardware requirements, see the *Sun ONE Instant Messaging Release Notes* at:

<http://docs.sun.com/db/prod/>

Instant Messaging Installation Privileges

To install Instant Messaging, log in as a superuser. For example, `root` (UNIX) or `administrator` (Windows).

Gathering the Installation Information

Determine the path for deploying Sun ONE Instant Messaging.

Sun ONE Instant Messaging requires the following to be installed for a portal deployment:

- Sun ONE Portal Server
- An SMTP server, such as Sun ONE Messaging Server
- Sun ONE Web Server Enterprise Edition
- Sun ONE Directory Server
- Sun ONE Identity Server

Sun ONE Instant Messaging requires the following to be installed for a standalone deployment:

- An SMTP server, for the instance of Sun ONE Messaging Server
- A web server, such as Sun ONE Web Server Enterprise Edition
- A directory server, such as Sun ONE Directory Server

While installing Sun ONE Instant Messaging, you will be required to specify certain basic configuration information.

Table 1-1 lists the configuration information to be considered and made note of before installing and configuring Sun ONE Instant Messaging. This table contains the installation parameters, their description and possible values. Complete the following check list before installing the software.

Table 1-1 Sun ONE Instant Messaging Installation Checklist

Parameter	Description	Value
Base Directory	Select Install Directory.	Enter the name and path of the directory in which you want the Instant Messaging to be installed. The following are the default values: On UNIX: /opt On Windows: c:\Program Files\Sun\InstantMessaging
Instant Messaging Server Hostname and logical instant messaging Domain Name	Instant Messaging Services Configuration.	Enter the host and domain name. For example, budgie.siroe.com Host Name: budgie.siroe.com Domain Name: siroe.com
IM Server Port	Instant Messaging Services Configuration.	Enter the instant messaging server port number. For example, 49999.
Multiplexor port	Instant Messaging Services Configuration.	Enter the Instant Messenger (client) port number. For example, 49909.
Remote IM Server Host name	Instant Messaging Server configuration.	Enter the remote server host name that the local multiplexor will use. Enter a value for this parameter only if you have enabled the “multiplexor only” option. Otherwise you do not have to enter a remote server host name.
Assign IM Services to existing users	Assign IM Services to Existing Users.	Select this check box to assign the Instant Messaging services to the existing Identity Server users.

Table 1-1 Sun ONE Instant Messaging Installation Checklist

Parameter	Description	Value
Secure Mode	To enable integration with Sun ONE Portal Server Secure Remote Access	<p>Select this check box to enable Instant Messaging in the secure mode.</p> <p>This parameter is required, if you are installing “Sun ONE Portal Server IM Channel and Archive” component and want to enable Instant Messaging in secure mode.</p> <p>Note: You can run Sun ONE Instant Messenger in the secure mode only if Sun ONE Portal Server, Secure Remote Access is configured.</p>
Deploy Messenger Resources in Portal Web Container	IM Channel and Archive Options.	<p>Select this check box to download the Instant Messenger resources from the Portal Server.</p> <p>This parameter is required if you are installing the “Sun ONE Portal Server IM Channel and Archive” component.</p>
Netlet IM Port	To enable integration with Sun ONE Portal Server Secure Remote Access	<p>Enter the port number to which Netlet listens. The default port no is 49917.</p> <p>This parameter is required if you are installing the “Sun ONE Portal Server IM Channel and Archive” component and want to enable Instant Messaging in secure mode.</p>
Messenger Secure Download Port	To enable integration with Sun ONE Portal Server Secure Remote Access	<p>Enter the port number from which the Instant Messenger Resources will be downloaded through the Netlet. The default value is 49916.</p> <p>This parameter is required if you are installing “Sun ONE Portal Server IM Channel and Archive” component in the secured mode and have not selected “Deploy Messenger Resources in Portal Web Container” check box in the IM Channel and Archive Options panel.</p>
Enable Instant Message Archive	IM Channel and Archive Options.	<p>Select this check box to enable Portal Server Search based archiving in Instant Messaging.</p> <p>This parameter enables archiving in Instant Messaging.</p>
LDAP Host Name	Instant Messaging Server LDAP Configuration.	<p>Enter the host name on which the directory server is running. For example:</p> <p>varrius.siroe.com</p>

Table 1-1 Sun ONE Instant Messaging Installation Checklist

Parameter	Description	Value
LDAP Port Number	Instant Messaging Server LDAP Configuration.	Enter the port no to which the directory server listens to. For example: 389
Base DN	Instant Messaging Server LDAP Configuration.	Enter the Base DN (distinguished name) entry in your LDAP directory. The LDAP directory searches for users and groups from this base distinguished name (DN). For example, o=i-zed.com
Bind DN	Instant Messaging Server LDAP Configuration.	Note: If “Sun ONE Identity Server Instant Messaging Service” component is installed, enter the Bind DN (distinguished name) of the Directory Manager to bind to the LDAP directory server. In a standalone installation, enter the Bind DN (distinguished name) of the user who has the read only privileges to the directory server.
Bind Password	Instant Messaging Server LDAP Configuration.	If “Sun ONE Identity Server Instant Messaging Service” component is installed then enter the password of the Directory Manager to bind to the LDAP directory server. In a standalone installation enter the password of the user who has the read only privileges to bind to the directory server.
SMTP Server Host Name	SMTP Service Configuration.	Enter the Mail server host name. For example, varrius.siroe.com.
Location of Database, Logs, and Runtime Files	Instant Messenger Resources Directory.	Enter the path and directory in which the runtime files are to be saved. On Solaris: /var/opt/SUNWiim/default On Linux: /var/opt/soim/html On Windows: c:\Program Files\Sun\InstantMessaging

Table 1-1 Sun ONE Instant Messaging Installation Checklist

Parameter	Description	Value
Instant Messenger Resources and Help File Location	Instant Messenger Resources Directory.	<p>Enter the path where you want to install the Instant Messenger resources and Online Help files. This path is referred as <i>imdocroot</i>.</p> <p>The default path on which these files are installed is:</p> <p>On Solaris: /opt/SUNWiim/html</p> <p>On Linux: /opt/soim/html</p> <p>On Windows: c:\Program Files\Sun\InstantMessaging\html</p>
Code Base	Instant Messenger Resources web location.	<p>Enter the Codebase for the Instant Messenger Resources. The URL from where the Instant Messenger resources are downloaded is referred to as the Codebase. For example, the default value will be: http://budgie.siroe.com</p> <p>Where budgie.siroe.com is the host name on which the Instant Messenger Resource files are installed.</p>

Installing and Configuring a Directory Server

Instant Messaging in the standalone mode requires a directory server to be installed to perform user authentication and search users.

In a portal deployment, the directory is used for user search and attribute retrieval and it may or may not be used for authentication. It is possible to only leverage single sign on to authenticate to the Instant Messaging server.

Instant Messaging supports Sun ONE Directory Server. For more information on supported software and versions, see the *Sun ONE Instant Messaging Release Notes*.

For information on how to install and configure Directory Server, see the Sun ONE Directory Server documentation at:

<http://docs.sun.com/prod/s1dirsrv>

Directory Considerations for Sun ONE Portal Server

When installing Sun ONE Instant Messaging in a portal deployment, you will be using the directory server used by the Sun ONE Portal Server. In a portal deployment, the Sun ONE Instant Messenger uses the directory to search for users and not to authenticate them.

Installing and Configuring a Web Server

Instant Messaging requires a web server to serve the Sun ONE Instant Messenger resource files. The Instant Messaging supports Sun ONE Web Server Enterprise Edition. For information on supported software and versions, see the *Sun ONE Instant Messaging Release Notes*.

The Instant Messenger resources component should be installed on a server which has a web server installed in it. Note that the portal server includes a web server that can be used to serve messenger resources.

This installation program offers you the option to deploy the messenger resources in the portal web server instance. If you are not deploying the messenger resources with portal, or if you choose not to use the portal's web server instance, you need to either install a web server, or create an instance out of an existing web server installation.

After having decided which web server instance to use, you need to decide where the messenger resources will be physically located under the web server's documentation root. This will define the URL of the messenger resources that is the codebase. For instance, assume that the web server on host `www.example.com` listens on port 89, the doc root for this web server is `/opt/web/`, and you choose to install the messenger resources in `/opt/web/im`, then the messenger resources codebase will be `http://www.example.com:89/im/`

NOTE If the correct codebase is not provided during installation, you need to update in the messenger launch pages `codebase/lang/im[ssl].html` and `codebase/lang/im[ssl].|jnlp` with the correct URL.

TIP On Unix, it is possible to install the messenger resources in a directory and use a symbolic link to make the messenger resources visible to the web server.

For instance, if in the above example you had installed the messenger resources in `/opt/SUNWiim/html`, the messenger resources can be made visible to the web server by creating the following symbolic link.

```
ln -s /opt/SUNWiim/html /opt/web/im
```

NOTE If the web server and Instant Messaging server do not reside on the same host, do not install the Instant Messenger resources on the Instant Messaging server host. Instead, install the Instant Messenger resources separately on the web server host.

For information on how to install and configure Sun ONE Web Server Enterprise Edition, see the Application Server documentation at:

<http://docs.sun.com/db/prod/s1websrv>

NOTE If you are using Sun ONE Portal Server, you automatically use the web server that ships with it.

Installing and Configuring a SMTP Server

Instant Messaging requires a SMTP server to forward Sun ONE Instant Messenger alerts as email to users when they are offline. To enable this feature, the installer asks you to identify the SMTP server to be used. If you do not have a SMTP server installed, you must install one before installing the Instant Messaging software. For information on supported software and versions, see the *Sun ONE Instant Messaging Release Notes*.

Installation Options Overview for Instant Messaging

The Instant Messaging installation program enables you to:

- Perform a fresh installation
- Upgrade from the older version to the current version of the software
- Add additional components to an existing installation

Use the information in this section to become familiar with Instant Messaging installation options before actually installing the product.

NOTE The Instant Messaging installer does not offer an uninstall option.

On UNIX, as part of the original installation process, an uninstall program is copied to a directory on the target host. To remove the existing Instant Messaging components, use the uninstall program. See [Uninstalling Instant Messaging on UNIX](#) for more information.

On Windows, go to Add/Remove Programs from the Control Panel to remove the existing Instant Messaging components.

Performing a Fresh Installation

The first time you install Instant Messaging components, the installer leads you through all the screens necessary to perform the installation. You can choose to install any combination of the following components:

- Sun ONE Instant Messenger Resources
- Sun ONE Instant Messaging Server
- Sun ONE Identity Server Instant Messaging Service. This component can be installed only if the Identity Server or the Identity Server SDK is installed on the system.
- Sun ONE Portal Server IM Channel and Archive. This component can be installed only if the Portal Server is installed on the system.

Within the Instant Messaging server installation, you have two options, “server and multiplexor”, or “multiplexor only”. Use the “multiplexor only” option if you have the server installed on a remote host.

For instructions on installing the Instant Messaging components on Solaris or Linux, see [Installing Sun ONE Instant Messaging on UNIX](#); for Windows, see [Installing Sun ONE Instant Messaging on Windows](#).

After installing the Instant Messenger resources, you must configure your systems to launch Sun ONE Instant Messenger. See [Configuring Sun ONE Instant Messenger](#) for more information.

Upgrading An Existing Installation With The Current Version of the Software

If the installation program detects an existing instance of an older version of the on the host, then it allows you to upgrade the existing installation with the current version of the software.

The installation program will allow you to select the components to be installed, and in particular it will also allow you to select the components that are not installed in the previous installation.

During installation, the existing components are upgraded and the new components are installed.

When a component is upgraded, the configuration information of the component and the user data maintained by the component are saved. For example, the user information created and managed by the server component is not affected by the upgrade of the server component or any other component.

NOTE While the installation program saves all the existing user data and configuration information, as a precaution you need to back up the database and the configuration information. For information on platform-specific back up procedures, see [Installing Sun ONE Instant Messaging on UNIX](#) and [Installing Sun ONE Instant Messaging on Windows](#).

For more information on how to back up the Instant Messaging data and configuration information, see the *Sun ONE Instant Messaging Administrator's Guide*.

Installing Sun ONE Instant Messaging on UNIX

This chapter describes the steps to install Instant Messaging on UNIX. You can run the `setup` program using either the graphical user interface or the command-line interface.

This chapter contains:

- [Installation Scenarios on UNIX](#)
- [Downloading and Unpacking Sun ONE Instant Messaging Installer](#)
- [Using the Graphical User Interface Installation on UNIX](#)
- [Using the Command-Line Installation on UNIX](#)
- [Installing SUNWamsdk Package](#)
- [Adding Additional L10n Client Files to Existing Installation](#)
- [Post-Installation Steps for UNIX](#)

Installation Scenarios on UNIX

You can install and configure Instant Messaging on the UNIX platform either by:

- Making Sun ONE Instant Messenger available from the Sun ONE Portal Server Desktop. This configuration is supported only on Solaris platform.
- Deploying Sun ONE Instant Messenger as a standalone product.

When installing Instant Messaging with Sun ONE Portal Server, you can either install all components on one host, or install the components on different hosts.

Downloading and Unpacking Sun ONE Instant Messaging Installer

To download and unpack the Sun ONE Instant Messaging Installer

1. Log in to the machine where you want to download the Instant Messaging Installation program.
2. Create a directory on the machine that will host the Instant Messaging and download or copy the Instant Messaging archive file to that directory.

For example, `/export/imsvr`.

Make sure that the directory you use to store the extracted files has a minimum disk space of 140MB.

3. Download or copy the Instant Messaging Installation archive file

NOTE • Download the Sun ONE Instant Messaging software from the following site:

`http://www.sun.com/software/download/download`

- If you are installing from a CD, then change the path to:

On Solaris - `/cdrom/`

On Linux - `/mnt/cdrom/`

4. Change to the directory where you copied or downloaded the archive file.

To extract the contents, type:

```
unzip soim - version - platform.zip
```

where *platform* refers to the name of the platform and *version* the version of the archive file downloaded or copied.

Using the Graphical User Interface Installation on UNIX

The following steps describe how to use the graphical user interface installation program to install Instant Messaging.

1. Download and unpack the Sun ONE Instant Messaging Installation program. For more information, see [Downloading and Unpacking Sun ONE Instant Messaging Installer](#).
2. Log in as `root` to install Sun ONE Instant Messaging. In the installation directory in which you have extracted the Instant Messaging archive file, type:


```
./setup
```

NOTE Do not run the installation in the background.

If you are installing on a remote machine or if the `root` does not own the display, set the `DISPLAY` variable to your host name. For example in C shell type:

```
setenv DISPLAY myhost:0.0
```

3. The installation program displays a Welcome Message. Click Next to continue.
4. Read the license agreement and click Yes (Accept License) to accept it and continue. Click No, to abort the installation program without installing Sun ONE Instant Messaging.
5. The Software Requirements panel displays the requirements and dependencies for standalone and portal deployments.

Before continuing with this installation, you should have installed:

- The Sun ONE Portal Server, if you are installing Instant Messaging in a portal environment. You need not install Sun ONE Portal Server if you are installing Instant Messaging in the standalone mode.
- The Sun ONE Identity Server, if you want to install the Sun ONE Identity Server Instant Messaging Service component. The Sun ONE Identity Server and Sun ONE Identity Server Instant Messaging Service component need not be installed on the same host.
- A webserver, such as the Sun ONE Web Server Enterprise Edition, to serve up Instant Messenger resources. For portal deployments, you can use the web server that ships with Sun ONE Portal Server.
- A directory (LDAP) server, such as the Sun ONE Directory Server, for user authentication. For portal deployment, Instant Messaging uses the Portal Server's Directory to search for users.

- A messaging server (SMTP service), such as the Sun ONE Messaging Server, to send alerts by email when users are not currently logged in to Instant Messaging server, and are unable to receive instant messages. The SMTP server and Sun ONE Instant Messaging server need not be installed on the same host.

If you have these products installed, click Next to continue with the installation procedure.

Click Exit to quit installing the Sun ONE Instant Messaging. Install and configure the necessary products.

6. On most systems, the installation program automatically detects the host name and DNS domain name of the system on which you are installing the server. Click Next to continue.

If the installation program is unable to detect the host name and DNS domain name, the “Network connection” panel is displayed.

Enter a valid host name and DNS domain name and click Next. The installation program will then try to establish a network connection using these values.

An error message “Invalid Network Connection” is displayed by the installation program if it is unable to detect the host name and DNS domain name. Click “Choose New” to enter the correct host name and DNS domain name.

NOTE The panel only verifies the availability of network connection. The Host and Domain values provided in this step are not used in the Instant Messaging Configuration.

7. Select the directory in which you want to install the Instant Messaging software. The default directory is `/opt`.

This panel will not be displayed if any one of the Instant Messaging components is already installed in the system.

Click Next.

8. Select the software components you want to install. The Select Components panel displays the following options:
 - Instant Messaging Server - This component includes both the server and the multiplexor software.

- Sun ONE Instant Messenger Resources.
- Sun ONE Identity Server Instant Messaging Service. This component can be installed only if the Identity Server or the Identity Server SDK is installed in the system.
- Sun ONE Portal Server IM Channel and Archive. This component can be installed only if the Portal Server is installed on the system.

The installation program automatically selects the components that are already installed on the system.

NOTE The components appear disabled, if the same or a higher version of the component is already installed on the system.

If the installation program detects an older version of Sun ONE Instant Messaging installed on the host, it allows you to upgrade the existing components and install the new components you have selected. For more information on upgrade considerations, see [Instant Messaging Installation Overview](#).

Click Next after you have made the selection.

If the disk space in the selected base directory is less than the minimum required, the installation program displays the “Insufficient Disk Space” message window.

If the disk space in the base directory selected is adequate, the “Confirm, Upgrade and Addition of Components” dialog box with a list of components to be added and upgraded is displayed.

When you decide to upgrade, stop all the installation program service.

During an upgrade if the installation program finds some services running it displays a warning window. The warning window informs you that the installation may not be successful if any of the services is still running. If you are sure that all services have been stopped, click Continue; otherwise, click Cancel to return to the installation program. Stop all services before proceeding with the installation.

CAUTION Before running the installation program back up any existing databases, user profiles and preferences, and any other files you have customized.

Back up the following directory and its subdirectories (on Solaris):

Configuration Information: `/etc/opt/SUNwiim`

Runtime Files: Default directory is `/var/opt/SUNwiim`

You need to back up the Instant Messenger Resource from `$imdocroot`, if the resource files have been customized. The default value of `$imdocroot` is `opt/Sunwiim/html`.

For more information on how to back up the Instant Messaging data and configuration information, see *Sun ONE Instant Messaging Administrator's Guide*.

9. The Instant Messaging Channel Configurations panel appears only when Sun ONE Portal Server IM Channel and Archive Installation is selected in the Select Components panel.

Enter the following details in the Instant Messaging Channel Configurations panel:

- **Multiplexor Host Name.** The host on which the multiplexor is running. The default value is displayed.
- **Remote Server Host Name.** The remote host name where the Instant Messaging server is installed.
- **Multiplexor Port.** (Default is 49909). The port on which the multiplexor accepts connections from client requests. The default port number should work for most installations.
- **IM Server Port.** (Default is 49999.) The port number on which the Instant Messaging server accepts connections from Instant Messaging multiplexors. The default port number should work for most installations.

Click Next.

10. The Instant Messaging Server Configuration panel appears only when Sun ONE Instant Messaging Server is selected in the Select Components panel. Enter the following details to configure Sun ONE Instant Messaging server:

- **Domain Name.** The logical instant messaging domain name you want this Instant Messaging server to support. If you are serving instant messaging to a wider group of people, this is not normally the TCP/IP host name of your system. This domain name does not have to be in the DNS. It is a name used by the Instant Messaging server to identify itself and its users.
- **IM Server Port.** (Default is 49999.) The port number on which the Instant Messaging server accepts connections from Instant Messaging multiplexors. The default port number should work for most installations.
- **Multiplexor Port.** (Default is 49909). The port on which the Instant Messaging multiplexor accepts connections from Instant Messenger requests. The default port number should work for most installations.
- **Disable Server.** Select this check box, if you are installing the Instant Messaging Server on another (remote) host and you only want this local server to have the multiplexor enabled.
- **Remote IM Server Hostname.** The remote host name where you are installing the Instant Messaging server software. If you have selected the “Disable Server” check box, then the installation program considers the value specified here as the remote server host name, otherwise the local host name is taken as the remote server host name.

NOTE Only the Multiplexor Port and the Remote IM Server Hostname options are only displayed when Sun ONE Instant Messenger Resources is selected in the Select Components panel.

If a port is already being used by another process running on the system, a “Server or Multiplexor Port in use” message window is displayed. This message window displays the following two choices:

- Click Accept to keep the settings. After installation and before starting the server, you must free the port in use by the other service.
- Click Choose New to return to the Instant Messaging Services Configuration window. Select a port number other than the one in use.

When you have finished making your selections, click Next to continue. You might experience a short delay while the installer works in the background.

11. The “Assign IM Service to existing users” panel appears only when Sun ONE Identity Server Instant Messaging Service is selected in the Select Components panel.

In the “Assign IM Service to existing users” panel, select the “Assign IM Services to existing users” check box to enable Instant Messaging for the existing users.

Click Next to continue.

12. The IM Channel and Archive Options panel appears only when Sun ONE Portal Server IM Channel and Archive Installation is selected in the Select Components panel.

In the IM Channel and Archive Options panel, select the following:

- o Select Enable Secure Mode check box, to install Sun ONE Instant Messaging in a secure mode.

In the secure mode, Sun ONE Instant Messenger uses the Sun ONE Portal Server, Secure Remote Access to set up an encrypted session between the user’s computer and Sun ONE Portal Server. A lock icon appears in the Sun ONE Instant Messenger’s Status area when you are running in the secure mode. See the Sun ONE Portal Server, Secure Remote Access documentation for more information on Netlet.

You can install the Instant Messaging server in secure mode only if the Sun ONE Portal Server, Secure Remote Access is installed. If the Sun ONE Portal Server, Secure Remote Access is not installed, the installation program disables the “Enable Secure Mode” check box.

Select the following options:

Deploy Messenger Resources in Portal Web Container. This check box is enabled only when the Instant Messenger Resource component is selected or already installed. Select this check box to download the Instant Messenger Resources using the web server used by the portal server.

Netlet IM Port. This field is enabled only if you have selected the Enable Secure Mode check box. Enter the port number to which the Netlet listens in this field. The default value is 49917.

Download Port. This field is enabled only under the following conditions:

- If you have selected the Enable Secure Mode check box only
- Not selected the Deploy Messenger Resources in Portal Web Container check box

or

Disabled the Deploy Messenger Resources in Portal Web Container check box

Enter the port number from where the Instant Messenger resources can be downloaded. The default value is 49916.

- Select the Enable Instant Message Archive check box, to enable portal search-based archiving in Instant Messaging.

Click Next to continue.

13. The Instant Messaging LDAP Configuration panel appears only when Sun ONE Instant Messaging Server or Sun ONE Identity Server Instant Messaging Service is selected in the Select Components panel.

In a standalone deployment, the Instant Messaging LDAP Configuration panel is displayed. Enter the following information:

- **Host Name.** The host on which the directory server is running. For example, `fiat.siroe.com`
- **LDAP Port Number.** The port number to which the directory server listens to. For example, `389`.
- **BaseDN.** Base DN (distinguished name) is the entry in your LDAP directory used as the starting point to search for users and groups. For example, if you specify a base DN of `o=i-zed.com`, the LDAP search operations executed by the Instant Messaging server will examine the `o=i-zed.com` directory tree. The installation program attempts to verify your entry and displays the invalid Base DN message if the Base DN entered is invalid, or displays the “LDAP Group Search Filter not Specified” message if the Base DN field is left blank.
- **BindDN.** (Mandatory). If the Sun ONE Identity Server Instant Messaging Service component is selected in the in the Select Components panel, then you are required to enter the Bind DN (distinguished name) of the Directory Manager to bind to the LDAP directory server. Default is `cn = Directory Manager`.

In a standalone installation, enter the Bind DN (distinguished name) of the user who has the read only privileges to the directory server.

The “Bind DN not mentioned. LDAP Bind DN required” message is displayed when the Bind DN is not mentioned. The “LDAP Bind DN invalid” message is displayed if an invalid Bind DN is entered.

- **Password.** (Mandatory). Enter the password of the Directory Manager to bind to the LDAP directory server, if the Sun ONE Identity Server Instant Messaging Service is installed.

In a standalone installation, enter the password of the user who has the read only privileges to bind to the directory server.

The “Invalid Credentials” message is displayed if an incorrect password or Bind DN is entered. The “Enter the Bind Password for the Directory Manager” message is displayed if the password is not entered.

-
- NOTE**
- If the Sun ONE Identity Server Instant Messaging Service is installed then the administrator credentials of the Identity Server are used to bind to the directory server to search for a user.
 - In a standalone installation, if the directory server is configured for anonymous user search, it is not necessary to specify the BindDN and the Password in the IM Server LDAP Configuration panel.
-

14. The SMTP Service Configuration panel appears only when Sun ONE Instant Messaging Server Installation is selected in the Select Components panel. In the SMTP Service Configuration panel, enter the SMTP Server name. For example: `varrius.siroe.com`.

Click Next to continue.

15. The Instant Messaging Services Identity panel appears when Sun ONE Instant Messaging Server or Sun ONE Instant Messenger Resources Installation is selected in the Select Components panel. In the Instant Messaging Services Identity panel, enter the identity name with which the Instant Messaging server needs to run.

UserID. Enter the user identity with which the Instant Messaging server needs to run.

GroupID. Enter the group identity with which the Instant Messaging server needs to run.

This panel will not be displayed if you have selected Sun ONE Identity Server Instant Messaging Service component or Sun ONE Portal Server IM Channel and Archive component in the Select Components panel.

-
- NOTE**
- If it is a standalone installation, do not use `root` for either UNIX userID or group ID.
 - If you are planning to install Sun ONE Identity Server Instant Messaging Service and Sun ONE Portal Server IM Channel and Archive components, use the UserID with which the Identity Server is running as the identity for UserID and GroupID. `root` is the default UserID with which the Identity Server runs as the identity for UserID and GroupID.
-

16. The Instant Messaging Server Runtime Files Directory panel appears when Sun ONE Instant Messenger Resources is selected in the Select Components panel.

The Instant Messaging Server Runtime Files Directory panel displays the path and location of the log and database files. The default base directory for messenger resources is:

For Solaris: `/var/opt/SUNWiim/default`

For Linux: `/var/opt/soim/default`

Click Next to continue.

17. The Sun ONE Instant Messaging Server Configuration panel appears when Sun ONE Instant Messenger Resources is selected but Sun ONE Instant Messaging Server is not selected in the Select Components panel. Enter the following details about the Instant Messaging server in this panel:

- **Remote Server Hostname.** The remote host name where you are installing the Instant Messaging server software. If you have selected the “Disable Server” check box, then the installer considers the value specified here as the remote server host name, otherwise the local host name is considered to be the remote server host name.
 - **Multiplexor Port Accepting Connection.** (Default is 49909.) The port number on which the Instant Messaging multiplexor accepts connections from the Instant Messenger. The default port number should work for most installations.
18. The “Instant Messenger Resource directory” panel appears when Sun ONE Instant Messenger Resources Installation is selected in the Select Components panel. The “Instant Messenger Resource directory” panel displays the location of the Instant Messenger resource files. The default base directory for messenger resources is:

For Solaris: `/opt/SUNWiim/html/`

For Linux: `/opt/soim/html`

If you want to select another directory, click Browse, select a directory, and then click OK. You can also:

- Click Create Directory to install Instant Messenger resources in the specified directory and continue with the installation.
 - Click Choose New to return to the Instant Messenger Document Root panel where you can enter the path to install the Instant Messenger resource files. Click Next to continue.
19. The Select the CodeBase for Instant Messenger Resources panel appears when Sun ONE Instant Messenger Resources and Sun ONE Portal Server IM Channel and Archive Installation options are selected in the Select Components panel.

Enter the following information in the Select the CodeBase for Instant Messenger Resources panel:

- **CodeBase.** Enter the Instant Messenger Codebase. The URL from where the Instant Messenger resources are downloaded is referred to as Codebase. The default Codebase value is:

```
http://LocalHost_Name:80
```

If you have selected the “Deploy Messenger Resources in Portal Web Container” check box in the “IM Channel and Archive options” panel, then the default Codebase value is:

```
http://$PortalServer_Hostname:$PortalServer_Portno/portal/im/client
```

Click Next to continue.

- 20.** The Instant Messaging Services Startup panel appears only when Sun ONE Instant Messaging Server Installation is selected in the Select Components panel.

In the Instant Messaging Services Startup panel select an option on when to start Instant Messaging services. The startup options are:

- Start Instant Messaging Services after successful installation.
- Start Instant Messaging Services on system startup.

When you have finished making your selection, click Next to continue.

- 21.** The installation program verifies if there is adequate disk space and then displays the Ready to Install panel. To complete the installation, click Install Now.
- 22.** When the installation process completes, a summary panel is displayed.
- a. Click Details to review the summary information about the installation.
 - b. When you have finished reviewing the summary information, click Dismiss to close the “Summary information” window.
 - c. Click Exit to end the installation program.

Using the Command-Line Installation on UNIX

Instant Messaging provides you the option of running the installation script without using the graphical user interface. To run the command-line installation program, use the following steps:

1. Download and unpack the Sun ONE Instant Messaging Installation program. For more information, see [Downloading and Unpacking Sun ONE Instant Messaging Installer](#).
2. In a local terminal window, log in as `root`. You must have superuser privileges to run the installation program.

3. In the installation directory in which you unzipped the Installation program file, type:

```
./setup -nodisplay
```

The installation program runs in the current window.

4. A text explaining how the command-line installation works is displayed. Press Enter to continue.
5. A welcome message is displayed. Press Enter to continue.
6. The preparatory text is displayed. Press Enter to display the Sun ONE Software License Agreement.

From this point on, the installation proceeds in the same order as [Step 5](#) to [Step 22](#) in [Using the Graphical User Interface Installation on UNIX](#).

Installing SUNWamsdk Package

If you are installing Sun ONE Instant Messaging server on a machine where Sun ONE Identity Server is not installed and want to use the Identity Server's Single Sign-on feature then you need to install the `SUNWamsdk` package on the machine.

To add the SUNWamsdk package

1. Change to the directory where you have unpacked the Instant Messaging installer file.
2. To add the SUNWamsdk package, type:

```
pkgadd -d packages SunWamsdk
```
3. Enter the values for the install parameters.
4. Verify if the `iim.conf` file contains the following lines:

```
iim_ldap.useidentityadmin = true  
iim_server.ssoprovider = com.iplanet.im.server.DSAMESOProvider
```

5. Add the following configuration parameters to `iim.conf` file:

```

iim_server.usesso=1
iim_server.ssoprovider=com.siroe.im.server.DSAMESSOProvider
iim_ldap.useidentityadmin=true

```

- Restart the server using the following command:

```
imadmin refresh
```

Adding Additional L10n Client Files to Existing Installation

On Solaris, the installer installs the localized resources bundled with the product after installing the core product. Later, additional localized resources can be added to the localized resource bundle without uninstalling the core product.

To install the localized resources for the messenger resources component

- `m_dir temp`
- `cd temp`
- copy the localized resources bundle to temp
- unzip the localized resources bundle
- `install_locale messenger`

All the localized resources for Sun ONE Instant Messenger Resources component are installed.

Similarly you can add the localized resources for other components using the following commands

- `install_locale identity`
- `install_locale portal`
- `install_locale` without any arguments will install the localized resources of all the components provided with the localized resources bundle.

Post-Installation Steps for UNIX

After installation, you need to complete the post-installation steps explained in this section.

Enabling Java Web Start

To enable Java Web Start support in your web server, you need to edit the web server's `mime.types` file to include a line for JNLP.

On Sun ONE Web Server Enterprise Edition

1. Type the following URL for starting the administration server in your browser:

```
http://hostname.domain-name:administration_port
```

For example: `http://budgie.siroe.com:8888`

Sun ONE Web Server then displays a window prompting you for a user name and password.

2. Type the administration user name and password you specified during the Web Server installation.

Sun ONE Web Server displays the Administration Server page.

3. In the Manage Servers page, click Manage.

Sun ONE Web Server displays the Server Manager page.

4. Click the MIME Types link.
5. From the MIME file drop-down list, choose a MIME type to edit and click OK.
6. In the Global MIME Types page, select `type` from the Category drop-down list.
7. In the Content-Type text box, type:

```
application/x-java-jnlp-file
```

8. In the File-Suffix text box, type:

```
jnlp
```

9. Click New Type to create the MIME type.
10. Restart the web server for this change to take effect.

On Apache Web Server

The `mime.types` file located in the Apache Web Server configuration directory should be edited to include the line:

```
application/x-java-jnlp-file jnlp
```

NOTE The location of the Apache Web Server configuration directory is site-specific.

Installing Sun ONE Instant Messaging on Windows

This chapter describes the steps to install Sun ONE Instant Messaging on a Windows platform. You can run the `setup` program using either the graphical user interface or the command-line interface.

This chapter contains the following sections:

- [Downloading and Unpacking Sun ONE Instant Messaging Installer](#)
- [Using the Graphical User Interface Installation on Windows](#)
- [Using the Command-Line Installation on Windows](#)
- [Adding Additional L10n Client Files to Existing Installation on Windows](#)
- [Post-Installation Step for Windows](#)

NOTE You can install and configure Sun ONE Instant Messaging on the Windows platform in standalone deployments only. Currently, Sun ONE Portal Server is not supported on Windows, hence you cannot have a portal deployment of Sun ONE Instant Messaging in the Windows platform.

Downloading and Unpacking Sun ONE Instant Messaging Installer

To download and unpack the Sun ONE Instant Messaging Installer, perform the following steps:

1. Log in to the machine, where you want to download the Instant Messaging Installation program.
2. Create a directory such as `c:\tmp\imsvr` on the machine that will host the Instant Messaging and download or copy the Instant Messaging self-extracting archive file to that directory. Make sure that the directory you use has a minimum disk space of 184MB to store the extracted files.
3. Download or copy the Instant Messaging Installation archive file.

NOTE

- If you are installing from a CD, then change to the CDROM drive.
- Download the Sun ONE Instant Messaging software from the following site:

<http://www.sun.com/software/download/download>

4. Change to the directory where you copied or downloaded the archive file. To extract the contents, type:

```
unzip soim-version-platform.zip
```

Where *platform* identifies the name of the platform and *version* identifies the product version of the archive file you downloaded or copied.

Using the Graphical User Interface Installation on Windows

The following steps describe how to use the graphical user interface installation program to install Sun ONE Instant Messaging:

1. Download and unpack the Sun ONE Instant Messaging Installation program. For more information, see [Downloading and Unpacking Sun ONE Instant Messaging Installer](#).
2. Log in as Administrator. You must have superuser privileges with full administration rights to be able to run the installation program.
3. Change to the directory where you placed the extracted files and double-click the `setup.exe` file.
4. The installation program displays the Welcome panel. Click Next to continue.

5. The Software License Agreement panel is displayed.

Read the license agreement and click Yes (Accept License) to accept the license and continue. If you click No, the installation program will exit without installing the software.

6. The Software Requirements panel lists the product required to be installed for this installation to be successful.

Before continuing with this installation, you should already have installed:

- A web server, such as Sun ONE Web Server Enterprise Edition, to serve up Instant Messenger resources.
- A directory (LDAP) server, such as Sun ONE Directory Server, for user authentication.
- A messaging server (SMTP service), such as Sun ONE Messaging Server, to send alerts by email when users are not currently logged in to Sun ONE Instant Messaging.

NOTE See the *Instant Messaging Release Notes* for information on supported software and versions.

If you have these products installed, click Next to continue installation. Otherwise, click Exit to quit the installation process. Install and configure the necessary products.

Then restart the installation.

NOTE A restricted license copy of each of these products is bundled with the Sun ONE Instant Messaging product package. Each one of these products must be installed separately.

7. The installation program automatically detects the host name and DNS domain name of the system on which you are installing the server. If the installation program cannot detect the host name or DNS domain name, the “Unable to make network connection” panel is displayed. Ensure that the host name and DNS domain name specified are correct, and then click Next to continue with the installation. The installation program will then try to establish a network connection using these values.

NOTE For the install program to run properly enter a valid DNS domain name.

8. The Select Install Directory panel is displayed.

If you do not want to install the Instant Messaging in the default directory, specify the directory where you want to install the Instant Messaging software. The default is `c:\Program Files\Sun\InstantMessaging`.

If you want to select another directory, click **Browse**, then select a directory and click **OK**.

Click **Next** to continue.

If the directory you selected does not exist, a message window displays the following choices:

- Click **Create Directory** to install Instant Messaging in the specified directory and continue with the installation process.
- Click **Choose New** to return to the Select Install Directory panel where you can select another installation directory.

Click **Next** to Continue.

9. In the Select Components panel select the software components to be installed.

- **Sun ONE Instant Messaging Server** - This component includes both the server and the multiplexor software.

- Sun ONE Instant Messenger Resources.

NOTE If you are not installing Sun ONE Instant Messaging on the same host as your web server, select the Sun ONE Instant Messaging Server option and not the Instant Messenger Resources option. When this installation is completed, start the installation process again and install the Instant Messenger Resources on the web server host. This must be done to ensure that the Sun ONE Instant Messenger HTML, .jar, and Online Help files reside at the web server docroot.

The components already installed on the system are automatically selected by the installer.

NOTE The components will be disabled, if a same or higher version of the component is already installed on the system.

If the installation program detects an older version of Sun ONE Instant Messaging installed on the host, the installation program upgrades the existing components and installs the new components selected. For more information on upgrade considerations, see [Installation Options Overview for Instant Messaging](#).

Click Next after you have made the selection.

If the disk space in the base directory selected is less than the minimum required, the installation program displays the message “Insufficient Disk Space” to inform you that the disk space is less than the minimum required.

If the disk space in the selected base directory is adequate, the “Confirm, Upgrade and Addition of Components” panel with a list of components to be upgraded and the list of newly added components is displayed.

When you decide to upgrade, stop all the installation program service.

During an upgrade if the installation program finds some services running it displays a warning window. The warning window informs you that the installation may not be successful if any of the services is still running. If you are sure that all services have been stopped, click Continue; otherwise, click Cancel to return to the installation program. Stop all services before proceeding with the installation.

CAUTION Before running the installation program, back up the existing databases, user profiles and preferences, and the files you have customized.

Back up the following directory and its subdirectories:

- *\$RUNTIMEDIR*\db

The default value for the *RUNTIMEDIR* is c:\Program Files\Sun\InstantMessaging\

- *im.conf* file from the directory *\$BASEDIR*\config\im.conf
- ACL files from the directory *\$BASEDIR*\config\acIs\

The default value for the *\$BASEDIR* is c:\Program Files\Sun\InstantMessaging

- Back up the following HTML files from the *imdocroot*:
\$imdocroot\im.html
\$imdocroot\im.jnlp
\$imdocroot\index.html
\$imdocroot\imres.jnlp
\$imdocroot\imbrand.jar

The default value for the *\$imdocroot* is c:\Program Files\Sun\InstantMessaging\html

For more information on how to back up the Instant Messaging data and configuration information, see *Sun ONE Instant Messaging Administrator's Guide*.

10. The Instant Messaging Services Configuration panel appears only when Sun ONE Instant Messaging Server Installation is selected in the Select Components panel (For new installations only).

Specify the following configuration information, if you do not want to use the default values:

- **Domain Name.** The logical instant messaging domain name you want this Instant Messaging server to support. If you are serving instant messaging to a wider group of people, this is not normally the TCP/IP host name of your system. This domain name does not have to be in the DNS. It is a name used by the Instant Messaging Server to identify itself and its users on this server only.

- **IM Server Port.** (Default is 49999.) The port number on which the Instant Messaging server accepts connections from multiplexors. The default port number should work for most installations.
- **Multiplexor Port.** (Default is 49909). The port on which the multiplexor accepts connections from Instant Messenger. The default port should work for most installations.
- **Disable Server.** Select this check box if you are installing the Instant Messaging server on a remote host but want the local server to have the multiplexor enabled.
- **Remote IM Server Hostname.** The host name where you are installing the Instant Messaging server software. If you have selected the “Disable Server” check box then this host name is considered to be a remote server. Otherwise the Instant Messaging Server host name is considered to be the local host name.

NOTE When installing only the Instant Messenger component, only the options for the multiplexor port and the remote server hostname are displayed.

If a port is already being used by another process running on the system, a Server or Multiplexor Port in use message window is displayed, giving you two choices:

- Click Accept to keep the settings. After installation and before starting the server, you must free the port in use by the other service.
- Click Choose New to return to the Instant Messaging Services Configuration panel. Select a port number other than the one in use.

When you have finished making your selections, click Next to continue. You might experience a short delay while the installer works in the background.

11. The Instant Messaging Server LDAP Configuration panel appears only when Sun ONE Instant Messaging Server Installation is selected in the Select Components panel. The Instant Messaging Server LDAP Configuration panel displays with default settings.

If you are using different settings, enter the following LDAP server information for user authentication:

- **LDAP Host Name.** Host name of the machine on which the LDAP server is running. The default is the fully qualified host name. For example, `fiat.sireo.com`.
- **LDAP Port Number.** Port number that the LDAP server listens to. The default is `389`.
- **Base DN.** Base DN (distinguished name) is the entry in your LDAP directory used as the starting point to search for users and groups. For example, if you specify a base DN of `o=i-zed.com`, LDAP search operations executed by the Instant Messaging server will examine only the `o=i-zed.com` directory tree. The installation program does not attempt to verify your entry if the Bind DN and Password are not specified.
- **BindDN.** Enter the Bind DN (distinguished name) of the user who has read only privileges to the directory server.
- **Bind Password.** Enter the password of the user who has read only privileges to the directory server.

NOTE

- If the installation program does not detect a LDAP server running on the specified port, the message “Problem Connecting to LDAP Host” is displayed. Click Accept, and install the LDAP server before starting the Instant Messaging server. Otherwise, click Choose New and re-enter the LDAP configuration parameters.
 - If the directory server is configured for anonymous user search, you need not specify the BindDN and the Password in the LDAP Service Configuration panel.
-

When you have finished making your selections, click Next to continue.

12. The SMTP Service Configuration panel appears only when Sun ONE Instant Messaging Server Installation is selected in the Select Components panel.

Identify the SMTP server to be used for sending alerts by email when the user is offline and unable to receive instant messages. The default is the local server on which you are installing Instant Messaging server.

The installer tries to connect to the specified host name. If the SMTP service is not found, the message “Problem connecting to SMTP host” is displayed. In the “Problem connecting to SMTP host” window you can:

- Click Accept to keep the settings. You can edit the `iim.conf` file later to specify the correct SMTP host name.
 - Click Choose New to return to the SMTP Service Configuration panel. Type the correct host name. Click Next to continue.
- 13.** The Sun ONE Instant Messaging Server Runtime Files Directory panel appears only when Sun ONE Instant Messaging Server Installation is selected in the Select Components panel.

Specify the directory where you want to store the runtime files, including the user profile database, the log files, and the other files created by the server and the multiplexor during the runtime.

The default value is `c:\Program Files\Sun\InstantMessaging`

If you want to select another directory, click Browse. Select another directory and click OK.

If the directory you selected does not exist, the message “Create new directory?” is displayed and you can either:

- Click Create Directory to create a new directory and store the runtime files in this directory and continue the installation.
- Click Choose New to return to the Instant Messaging Runtime Files Directory panel where you can select another directory.

When you have finished making your selection, click Next to continue.

14. The Instant Messenger Resources Directory panel appears only when Sun ONE Instant Messenger Resources Installation is selected in the Select Components panel.

The Instant Messenger Resources Directory panel displays the location of the instant messenger resource files. The default base directory for messenger resources is:

```
c:\Program Files\Sun\InstantMessaging\html
```

Specify the directory where you want to store the Sun ONE Instant Messenger Resource and the Online Help files, also referred as the Instant Messaging docroot directory.

These files must reside where the web server is located.

If you want to select another directory, click Browse, then select a directory and click OK.

If the directory you have selected does not exist, the message window “Create new directory?” is displayed and you can either:

- Click Create Directory to create a new directory and install client files in this directory and continue the installation.
- Click Choose New to return to the Instant Messenger Resources Directory panel where you can enter the path to install the Instant Messenger resource files.

When you have finished making your selection, click Next to continue.

15. The Select CodeBase for Instant Messaging Resources panel appears only when Sun ONE Instant Messenger Resources Installation is selected in the Select Components panel.

CodeBase. Enter the Instant Messenger Codebase. The URL from where the Instant Messenger resources are downloaded is referred to as Codebase. The default Codebase value is:

```
http://LocalHost_Name:80
```

16. The Instant Messaging Services Startup panel appears only when Sun ONE Instant Messaging Server Installation is selected in the Select Components panel. In the Instant messaging Services Startup panel, specify when to start Instant Messaging services. The startup options are:

- Start Instant Messaging Services after successful installation

- Start Instant Messaging Services on system startup

Click Next to continue.

17. The installation program verifies if there is adequate disk space and then displays the Ready to Install panel.

NOTE The required disk space displayed for the installation does not include the Java Runtime Environment. Java Runtime Environment requires an additional 51 MB.

To complete the installation, click Install Now.

18. When the installation procedure is complete, a summary panel is displayed.
 - a. Click Details, if you want to review the summary information of the installation.
 - b. When you are finished reviewing the summary information, click Dismiss to close the “Summary information” window.
 - c. Click Exit to end the installation program.

NOTE Follow the post-installation instructions in the section [Post-Installation Step for Windows](#).

Using the Command-Line Installation on Windows

Sun ONE Instant Messaging provides you the option of running the installation script without using the graphical user interface. To run the command-line installation program, use the following steps:

1. Download and unpack the Sun ONE Instant Messaging Installation program. For more information, see [Downloading and Unpacking Sun ONE Instant Messaging Installer](#).
2. Login as Administrator. You must have superuser privileges that is, be logged in with full administration rights to run the installation program.

3. Type the name of the Instant Messaging archive file followed by the argument `-nodisplay`. For example:

```
setup.exe -nodisplay
```

4. After the installation program extracts the compressed installation files, read the instructions and then press Enter to continue.
5. A Welcome message is displayed. Press Enter to continue.
6. Preparatory text is displayed. Press Enter to display the Sun ONE Software License Agreement.

The installation program then asks the same configuration questions as described above in [Step 5](#) to [Step 18](#) in Using the graphical user interface installation on Windows.

NOTE To exit the installation, press CTRL-C.

Adding Additional L10n Client Files to Existing Installation on Windows

On Windows, the installer does not automatically install the localized resources.

The localized resources need to be manually added after the core product is installed.

To install the localized resources type:

1. `cd $IMDOCROOT`
2. `cp localized_resources_bundle to $IM_DOCROOT`
3. `unzip the localized_resources_bundle`
4. `gen_files.bat<lang>` for example, `gen_files.bat ja`

Post-Installation Step for Windows

After installation, you might need to complete the step described in this section.

Enabling Java Web Start

To enable Java Web Start support in your web server, you might need to edit the web server's `mime.types` file to include a line for JNLP.

On Sun ONE Web Server Enterprise Edition

1. Type the following URL to start the administration server in your browser:

```
http://hostname.domain-name:administration_port
```

For example: `http://budgie.siroe.com:8888`

Sun ONE Web Server then displays a window prompting you for a user name and password.

2. Type the administration user name and password you specified when installing the web server.

Sun ONE Web Server displays the Administration Server page.

3. In the Manage Servers page, click Manage.

Sun ONE Web Server displays the Server Manager page.

4. Click the MIME Types link.

5. From the MIME file drop-down list, choose a MIME type to edit and click OK.

6. In the Global MIME Types page, select `type` from the Category drop-down list.

7. In the Content-Type text box, type:

```
application/x-java-jnlp-file
```

8. In the File-Suffix text box, type:

```
jnlp
```

9. Click New Type to create the MIME type.

Restart the web server for this change to take effect.

On Apache Web Server

The `mime.types` file located in the Apache Web Server configuration directory, should be edited to include the line:

```
application/x-java-jnlp-file jnlp
```

NOTE The location of Apache Web Server configuration directory is site specific.

Configuring Sun ONE Instant Messenger

This chapter describes the steps to configure Sun ONE Instant Messenger.

This chapter contains:

- [Sun ONE Instant Messenger Launch Overview](#)
- [Requirements to Run Sun ONE Instant Messenger](#)
- [Sun ONE Instant Messenger Launch Methods](#)
- [Configuring Client Systems](#)
- [Troubleshooting Sun ONE Instant Messenger Problems](#)

Sun ONE Instant Messenger Launch Overview

Sun ONE Instant Messenger is a Java applet which can run either as an applet from Java Plug-in, or independent of a browser, by running as a Java™ Web Start application.

The following are the events that occur when the user invokes the Instant Messenger:

1. The user downloads a web page containing links to one or more applet descriptor files. For example, `index.html` page is one of downloadable web page that contains links to the `im.jnlp` and the `im.html` applet descriptor files. Several applet descriptor files are provided for download. For example, the `im.jnlp` and the `imssl.jnlp` can be downloaded to launch Instant Messenger

using Java Web Start, or the `im.html` and the `imssl.html` can be downloaded to launch Instant Messenger from Java Plug-in. In a portal deployment, the portal desktop contains dynamically created links to the JSP files and these JSP files create the applet descriptor files.

2. The user clicks one of the links in the `index.html` file and downloads the applet descriptor file.
3. Java Plug-in or Java Web Start is invoked and based on the information contained in the applet descriptor file, the Instant Messenger resources are downloaded, and the Instant messenger applet is launched.

NOTE Skip to [Step 3](#), if you are using Java Web Start and have created a Desktop shortcut to start the Instant Messenger.

The following sections provide information on configuring:

- The applet descriptor pages
- The web server
- The browser for downloading and launching the Instant Messenger applet.

Requirements to Run Sun ONE Instant Messenger

For the most recent information about software requirements of the product, see the *Sun ONE Instant Messaging Release Notes*

Sun ONE Instant Messenger Launch Methods

You can run Sun ONE Instant Messenger as a browser-based application by running the applet, or independent of a browser by running the Java™ Web Start application.

The two ways to configure your client are:

Using Java Web Start - Sun ONE Instant Messenger is launched from Java Web Start (JWS), which is an application launcher for Java technology-based applications that are written to be deployed on web. Once Sun ONE Instant Messenger is launched, your browser can be closed or used to locate other URLs without effecting the Sun ONE Instant Messenger session.

Using the Java Plug-in - The applet is launched from the Java plug-in, which is a code extension to the browser. To keep the Sun ONE Instant Messenger session active, the browser window from which the applet was launched must remain open and cannot be used to locate any other URL.

Configuring Client Systems

If the client machine has Java 1.4 or a higher version already installed, there are no additional requirements to use either Java Plug-in or Java Web Start. Netscape Navigator v7 as well as the recent versions of the Mozilla browser include Java v1.4 or higher version. Internet Explorer does not include the latest version of Java.

If the client machine has Java v1.3 and does not have Java v1.4 or a higher version installed, Java Web Start needs to be installed separately.

You can:

- Download and Install Java v1.4. from:

<http://www.java.sun.com/j2se>

- Download and install Java Web Start from:

<http://www.java.sun.com/products/javawebstart>

NOTE When the Sun ONE Instant Messenger session is established using Java Plug-in, the browser window must be dedicated to its use.

This means that you cannot locate any other URLs with this browser window, nor can you close the browser window without terminating the Sun ONE Instant Messenger session.

Troubleshooting Sun ONE Instant Messenger Problems

Use the following information to help solve issues with client installations:

Difficulty Loading Resources - Proxy Settings

In a network environment, you can experience difficulty in loading resources when there is a firewall between your computer and the internet, and when Java Web Start has not been configured with the right proxy settings.

Java Web Start uses the proxy settings automatically by querying the system or the default browser. However, if the settings are configured using a JavaScript file this is not possible.

You can set the proxies manually using the Preference panel in Java Web Start's Application manager.

Java Web Start Does Not Start - mime.types for JNLP

If the `im.jnlp` file is displayed in the browser instead of Java Web Start, you need to edit the web server's `mime.types` file to include a line for JNLP.

On Sun ONE Web Server Enterprise Edition

1. Type the following URL for starting the administration server in your browser:

```
http://hostname.domain-name:administration_port
```

For example: `http://budgie.siroe.com:8888`

Sun ONE Web Server then displays a window prompting you for a user name and password.

2. Type the administration user name and the password you specified during the Web Server installation.

Sun ONE Web Server displays the Administration Server page.

3. In the Manage Servers page, click Manage.

Sun ONE Web Server displays the Server Manager page.

4. Click the MIME Types link.
5. From the MIME file drop-down list, choose a MIME type to edit and click OK.
6. In the Global MIME Types page, select `type` from the Category drop-down list.
7. In the Content-Type text box, type:


```
application/x-java-jnlp-file
```
8. In the File-Suffix text box, type:


```
jnlp
```
9. Click New Type to create the MIME type.
10. Restart the web server for this change to take effect.

On Apache Web Server

The `mime.types` file located in the Apache Web Server configuration directory, should be edited to include the line:

```
application/x-java-jnlp-file jnlp
```

NOTE The location of Apache Web Server configuration directory is site-specific.

Corrupted JAR File Cache

In some cases, the JAR file cache on the client system might get corrupted. If the JAR file cache gets corrupted, you will not be able to start the Instant Messenger or download a new version of the Instant Messenger. To rectify this problem, the JAR file cache must be cleared.

Use the procedure mentioned in this section to delete the JAR file cache on your client system.

Deleting Sun ONE Instant Messenger from the Java Web Start Cache

To Delete Sun ONE Instant Messenger from Unix Cache

1. Launch Java Web Start Application Manager.

For example, double-click the Java Web Start icon in the `javaws` directory.
2. From the Applications menu, select Remove from Cache.

3. Close Java Web Start Application Manager.

To Delete Sun ONE Instant Messenger from Windows Cache

1. Launch Java Web Start Application (JWS) Manager.

For example, double-click the Java Web Start icon on your desktop or start the Java Web Start program from the Start menu.

2. From the View menu, select Downloaded Applications.

The downloaded applications are displayed.

3. Select Sun ONE Instant Messenger.
4. From the Applications menu, select Remove Application.
5. Close Java Web Start Application Manager.

To Delete Sun ONE Instant Messenger from the Windows Java Plug-in Cache

1. Double-click the Java Plug-in icon in the Control Panel.

The Java Plug-in Control Panel is displayed.

2. Click the Cache tab in the Java Plug-in Control Panel.
3. Click Clear JAR Cache.

Changes made to the Applet Descriptor Files are not Reflected

The browser caches the frequently accessed applet descriptor files in the memory. Thus the changes made to the applet descriptor files are not reflected immediately. To rectify this problem, you need to clear the memory cache in your browser.

To clear the memory cache in the browser (Netscape Navigator):

1. From the Edit menu, choose Preferences.
2. Open the Advanced category; then click Cache.
3. To clear the memory cache, click Clear Memory Cache.

Uninstalling Instant Messaging

This appendix details how to uninstall Instant Messaging components. Instructions are given for both UNIX and Windows.

NOTE All the paths mentioned here assume that Sun ONE Instant Messaging is installed in the default directory.

This appendix contains:

- [Uninstalling Instant Messaging on UNIX](#)
- [Uninstalling the Instant Messaging on Windows](#)
- [Removing SUNWiimid Package Manually](#)
- [Uninstalling the Localized Packages on UNIX](#)

NOTE To uninstall Sun ONE Instant Messenger from a Sun ONE Portal Server deployment, remove the `SUNWiimps` package. See the *Sun ONE Instant Messenger Administrator's Guide* for instructions.

Uninstalling Instant Messaging on UNIX

To uninstall Instant Messaging, use the following steps:

1. (Optional) If you want a copy of the Sun ONE Instant Messaging data, back up the following files and directories:

- The `iim.conf` file in the following directory:
On Solaris: `/etc/opt/SUNWiim/config/`
On Linux: `/etc/opt/soim/config/`
- All ACLs in the following directory:
On Solaris: `/etc/opt/SUNWiim/config/acls`
On Linux: `/etc/opt/soim/config/acls`
- All databases found in the following directory:
On Solaris: `$RUNTIMEDIR/db`
On Linux: `$RUNTIMEDIR/db`

Where:

On solaris - the default value of the `$RUNTIMEDIR` is
`/var/opt/SUNWiim/default`

On Linux - the default value of the `$RUNTIMEDIR` is
`/var/opt/soim/default`

- Site specific HTML files and images, such as those found in the `$imdocroot` directory, and any others you have customized.

Where:

On Solaris - the default value of the `$imdocroot` is `/opt/SUNWiim/html`

On Linux - the default value of the `$imdocroot` is `/opt/soim/html`

2. In a local terminal window, change directory to the installation directory which is the `$BASEDIR`.

Where:

On Solaris - the default value of the `$BASEDIR` is `/opt/SUNWiim/`

On Linux - the default value of the `$BASEDIR` is `/opt/soim/`

3. At the command line, type:

```
./uninstall
```

If you want to run the `uninstall` program as a command-line script, type:

```
./uninstall -nodisplay.
```

4. The Welcome panel is displayed. Click Next to continue.

5. The “Select Type of Uninstallation” panel is displayed.

Choose either a Full or a Partial uninstall. The Full uninstall removes all the components. The Partial uninstall allows you to uninstall one or all of the components displayed in the Select Components window.

Click Next to continue.

6. The Instant Messaging Server LDAP Configuration panel is displayed. This panel is displayed only when Sun ONE Identity Server is selected for uninstallation in the Select Components panel.

Enter the following LDAP Server details:

- **LDAP Host Name.** Host name of the machine on which the LDAP server is running. The default is the fully qualified host name. For example, `fiat.sireo.com`.
- **LDAP Port Number.** Port number that the LDAP server listens to. The default is `389`.
- **Base DN.** Base DN (distinguished name) is the entry in your LDAP directory used as the starting point to search for users and groups. For example, if you specify a base DN of `o=i-zed.com`, LDAP search operations executed by the Instant Messaging server will examine only the `o=i-zed.com` directory tree. The installation program does not attempt to verify your entry if the Bind DN and Password are not specified.
- **BindDN.** Enter the Bind DN (distinguished name) of the user who has read only privileges to the directory server.
- **Bind Password.** Enter the password of the user who has read only privileges to the directory server.

7. The Ready to Uninstall panel is displayed.

Click Uninstall Now to proceed with the uninstallation.

8. The Uninstalling panel displays the uninstall progress status.

9. The Uninstallation Summary panel is displayed.

Click Details for more information about the uninstall. Click Dismiss to return to the Uninstallation Summary panel. Click Exit to end the uninstallation procedure.

NOTE The uninstall script does not remove the Java Runtime Environment installed with the product.

Removing SUNWiimid Package Manually

When for some reason the `.uninstall` file fails to get copied to the `uninstall` directory you need to manually add the `.uninstall` file to be able to uninstall the SUNiimid package.

To manually add the `uninstall` file to the Instant Messaging Solaris package

1. Create a `$BASEDIR/SUNWiim/.uninstall`

In the `./uninstall` file type the following:

```
vi ./uninstall
```

`DS_HOST`=host name on which the directory server of the identity server is running.

`DS_PORT`=port number on which the directory server of the identity server is listening.

`DS_DIRMGR_DN`= dn of the directory manager of the directory server of the identity server.

`DS_DIRMGR_PASSWORD` =password of the directory manager of the directory server of the identity server

2. `pkgrm -v SUNWiimid`
3. `rm $BASEDIR/SUNWiim/.uninstall`

Uninstalling the Instant Messaging on Windows

To uninstall Instant Messaging, use the following steps:

1. (Optional) If you want to preserve your Instant Messaging server data, back up the following files and directories:
 - o The `iim.conf` file from `$BASEDIR\config\`
The default value of the `$BASEDIR` is `c:\Program Files\Sun\InstantMessaging`.
 - o All ACL files from `$BASEDIR\config\acis`
The default value of the `$BASEDIR` is `c:\Program Files\Sun\InstantMessaging`.

- All databases found in `$RUNTIME\db`
The default value of the `$RUNTIME` is `c:\Program Files\Sun\InstantMessaging\db`.
- Site specific HTML files and images, such as those found in the `$imdocroot\html` directory, and any others you have customized.
The default value of the `$imdocroot` is `c:\Program Files\Sun\InstantMessaging`

2. From the Start menu, choose Settings and then Control Panel.
3. Choose Add Remove Programs.
4. Click the Install/Uninstall tab.
5. From the list of products, select Sun ONE Instant Messaging and click Add/Remove.
6. Click Yes, if you want to uninstall the product.
7. Choose either a Full or a Partial uninstall. The Full uninstall removes all the components. The Partial uninstall allows you to uninstall one or all of the components.
8. Click Uninstall Now to continue uninstalling the product.

Click Details for more information about the uninstall. Click Dismiss to return to the Uninstallation Summary panel. Click Exit to end the uninstall.

Uninstalling the Localized Packages on UNIX

When uninstalling the localized packages, the Sun ONE Instant Messenger uninstaller tries to uninstall the localized resources along with the core component.

You can also uninstall the localized resources of each individual component only.

For example, to uninstall the localized resources for the messenger resources component type:

- `cd $IM_BASEDIR`
- `uninstall_locale messenger`

All the localized resources for the Sun ONE Instant Messenger resources are uninstalled.

Similarly you can uninstall the localized resources for other components using the following commands:

- `uninstall_locale identity`
- `uninstall_locale portal`
- `Uninstall_locale` without any arguments will uninstall localized resources of all the components.

Upgrading Instant Messaging

Use this document to upgrade your Instant Messaging standalone installation.

This appendix contains the following sections:

- [Overview of Upgrading](#)
- [Protecting Your Files](#)
- [Upgrading Instant Messaging](#)
- [Post-Upgrade](#)

NOTE Upgrade saves all the existing database and configuration information. Upgrade is performed to preserve an existing installation and upgrade the product to use the upgraded features.

Overview of Upgrading

When the `setup` program detects a previous version of Sun ONE Instant Messaging on your machine, it allows you to upgrade the installed components.

Upgrading a Sun ONE Instant Messaging component does not allow you to change the installation configuration. If you want to change the directory location of the Instant Messaging files or the port numbers on which your Instant Messaging servers communicate, you should uninstall the component and reinstall it.

The upgrade of a component preserves the Instant Messaging data and the configuration information.

.new Files

When you upgrade Instant Messaging, all the customizable files are retained by the installation. If there are any changes to the customizable files in the new version, a `.new` file will be created for each of the files that are changed.

As part of the post-upgrade process, you can merge these changes to your old files. You need to do this for the new features to take effect. When merging the changes, compare the old files with the `.new` files, line by line, and edit your existing files to incorporate these changes.

For example, if you have customized your `iim.conf` file, you can see the `iim.conf.new` file in the `config` directory after the upgrade process is finished. To complete the upgrade process, you have to merge the changes in the `iim.conf.new` file into your existing `iim.conf` file.

Protecting Your Files

The upgrade option preserves your databases and configuration information, such as user profile data and preferences. However, to protect this information during the installation process, make sure you back up the files listed in [Table B-1](#) before the upgrade process.

Table B-1 Instant Messaging Files to Back Up Before Upgrading

Type of File	UNIX Default Location	Windows Default Location
Database	For Solaris: <code>/var/opt/SUNWiim/default/db</code>	<code>c:\Program Files\Sun\ InstantMessaging\db</code>
	For Linux: <code>/var/opt/soim/default/db</code>	
User profiles and preferences	For Solaris: <code>/var/opt/SUNWiim/default/db</code>	<code>c:\Program Files\Sun\ InstantMessaging\db</code>
	For Linux: <code>/var/opt/soim/default/db</code>	

Table B-1 Instant Messaging Files to Back Up Before Upgrading (*Continued*)

Type of File	UNIX Default Location	Windows Default Location
Configuration	For Solaris: /etc/opt/SUNWiim/default/config For Linux: /etc/opt/soim/default/config	c:\Program Files\Sun\ InstantMessaging\config
ACLs	For Solaris: /etc/opt/SUNWiim/default/config/acls For Linux: /etc/opt/soim/default/config/acls	c:\Program Files\Sun\ InstantMessaging\config\acls
Customizable client files, such as index.html, im.jnlp, imres.jnlp, and imbrand.jar.	For Solaris: /opt/SUNWiim/html For Linux: /opt/soim/html	c:\Program Files\Sun\ InstantMessaging\html
Any other files that you have customized.	Depends on your site's requirement.	Depends on your site's requirement.

Upgrading Instant Messaging

The upgrade procedure in this section is applicable for both Windows and Solaris operating systems.

To upgrade Sun ONE Instant Messaging:

1. Obtain Instant Messaging software.
2. Prepare for the installation and plan the time for shutting down the Instant Messaging server.
3. Inform your users ahead of time about the planned shutdown of the Instant Messaging server.
4. Shut down the Instant Messaging server and multiplexor.
5. Perform the upgrade with the `setup` command.

6. Perform the post-upgrade procedures.

To Upgrade Instant Messaging

Before beginning, download the Sun ONE Instant Messaging software from the following site:

<http://www.sun.com/software/download/download>

1. Shut down the Instant Messaging server.

This includes both the server and the multiplexor.

To shutdown the Instant Messaging server and the multiplexor, type:

```
imadmin stop
```

2. Start the installer.

For Solaris:

- a. Download and unpack Sun ONE Instant Messaging Installation program. For more information, see [Downloading and Unpacking Sun ONE Instant Messaging Installer](#).
- b. Log in as `root` to install Sun ONE Instant Messaging. In the installation directory in which you have extracted the Instant Messaging archive file, type:

For graphical user interface: `./setup`

For command-line interface:

- i. Type `./setup -nodisplay`

The installation program runs in the current window.

- ii. Text displays explaining how the command-line installation works. Press Enter to continue.

For Windows:

- a. Log in as Administrator. You must have superuser privileges (that is, be logged in with full administration rights to the system) to run the installation program.

- b. Create a directory (such as `c:\tmp\impsvr`) on the machine that will host the Instant Messaging server and download (or copy) the Sun ONE Instant Messaging installation file to the directory. Make sure that the download directory has adequate disk space to store the extracted files.

CAUTION Do not download the archive file to the base directory to which you will be installing Instant Messaging.

- c. Change to the directory where you have downloaded or copied the file and extract the contents.
- d. Launch the installer.

For launching the graphical user interface installation, double-click the `setup.exe` file. A message dialog is displayed to confirm whether you want to install Sun ONE Instant Messaging. Click Yes to continue.

For the command-line installation:

- I. Open a command prompt and change to the directory in which you placed the Instant Messaging archive file. For example:

```
cd tmp\impsvr
```

- II. Start the installer by typing the `setup` file name followed by the argument `-nodisplay`. For example:

```
setup.exe -nodisplay
```

- III. A couple of windows are displayed, after reading the information on the window, press Enter to continue.

NOTE To exit the command-line installation, press CTRL-C.

The following steps explain the graphical user interface installation procedure. The steps are identical for both the command-line and graphical user interface installation. In the command-line installation, you need to press the Enter key to select an option.

3. The installation program displays a Welcome Message. Click Next to continue.
4. Read the license agreement and click Yes to accept the license and continue. If you click No, the installation program aborts without installing Instant Messaging.

5. The System Requirements panel lists other product dependencies.

Before continuing with this installation, you should have installed:

- Sun ONE Portal Server, for portal deployments (Solaris only).
- A web server, namely Sun ONE Web Server Enterprise Edition, to serve up the Instant Messenger Resources. (Portal deployments use the web server that ships with Sun ONE Portal Server.)
- A directory (LDAP) server, namely Sun ONE Directory Server, for user authentication. (Ignore this requirement if you are using Sun ONE Portal Server's directory.)
- A messaging server, namely Sun ONE Messaging Server, to send alerts by email when users are unable to receive instant messages.

If you have these products installed, click Next to continue installation. Otherwise, Click Exit to quit the installation and install the products mentioned earlier. After installing these products, restart the installation.

On most systems, the installation program automatically detects the host name and DNS domain name of the system on which you are installing the server. Click Next to continue.

If the installation program cannot detect the host name and DNS domain name, the "Unable to make network connection" window is displayed and the host name and DNS domain name fields remain blank.

Enter a valid host name and DNS domain name and click Next. The installation program then tries to establish a network connection using these values. The Host Name or Domain Name fields will remain blank if the installation program is unable to detect these values.

NOTE This window only verifies the availability of network connection. The Host and Domain values entered in this step are not used in the Instant Messaging Configuration.

6. The Component Selection panel is displayed. The installer disables the component selection if it detects a same or a higher version of the component installed on the machine.

Click Next to continue.

A confirmation dialog box with the list of components to be added and upgraded is displayed.

CAUTION Even though the upgrade does not overwrite your databases or customized files, it is advisable to take a back up of all your databases, user profiles and preferences, and any files you may have customized.

For a list of files, refer to [Table B-1](#).

7. Sun ONE Identity Server Instant Messaging Service Installation only. The LDAP Service Configuration panel is displayed for Solaris only. Enter the following information:
 - **Host.** The host on which the directory server is running. For example, `fiat.sireo.com`
 - **Port.** The port number to which the directory server listens to. For example, `389`.
 - **BaseDN.** Base DN (distinguished name) is the entry in your LDAP directory used as the starting point to search for users and groups. For example, if you specify a base DN of `o=i-zed.com`, LDAP search operations executed by the Instant Messaging server will examine the `o=i-zed.com` directory tree. The installation program does not attempt to verify your entry.
 - **BindDN.** Enter the Bind DN (distinguished name) of the Directory Manager to bind to the LDAP directory server.
 - **Password.** Enter the password of the Directory Manager to bind to the LDAP directory server.

NOTE

- If Sun ONE Identity Server Instant Messaging Service is installed then the administrator credentials of the Identity Server is used to bind to the directory server for performing user search.

8. The Instant Messaging Services Startup panel is displayed.

You can start the Sun ONE Instant Messaging Services after a successful installation. Click Next to continue.

9. A message box displays the information that the installer is verifying whether there is adequate disk space.

NOTE You might not see this window on a faster system.

10. The Ready to Install panel is displayed.
To complete the installation, click Install Now.
11. When the installation procedure has completed, an installation Summary window is displayed. Click Details if you want to review the summary information on the installation. Click Dismiss to close the summary information window, then click Exit to exit the installation program.

Post-Upgrade

While upgrading the Instant Messaging with a new version, the installer creates `.new` files in the `config` and `html` directories. These files contain all the changes made in this version. For example, the installer creates a `iim.conf.new` file if the `iim.conf` file is customized. This `iim.conf.new` file would contain all the changes that needs to be incorporated in the new version of `iim.conf` file.

After upgrading to the new version, you need to find the `.new` files, and merge the changes into your existing files to preserve the customization performed on these files.

When merging the changes, compare the old files with the `.new` files, line by line, and edit your existing files to incorporate these changes.

[Table B-2](#) lists the files that can be customized, and for which `.new` files can be created:

Table B-2 .new Files for Solaris and Windows

Type of Files	Solaris	Windows
Config	<i>\$CONFIGDIR</i> /iim.conf	<i>\$BASEDIR</i> \config\iim.conf
	<i>\$CONFIGDIR</i> /acls/ sysAdmin.acl	<i>\$BASEDIR</i> \config\acls\sysAdmin.acl
	<i>\$CONFIGDIR</i> /acls/ sysTopicsAdd.acl	<i>\$BASEDIR</i> \config\acls\sysTopicsAdd.acl
	<i>\$CONFIGDIR</i> /acls/ sysRoomsAdd.acl	<i>\$BASEDIR</i> \config\acls\sysRoomsAdd.acl
	<i>\$CONFIGDIR</i> /acls/ sysSendAlerts.acl	<i>\$BASEDIR</i> \config\acls\sysSendAlerts.acl
	<i>\$CONFIGDIR</i> /acls/ sysWatch.acl	<i>\$BASEDIR</i> \config\acls\sysWatch.acl
	<i>\$CONFIGDIR</i> /acls/ sysSaveUserSettings.acl	<i>\$BASEDIR</i> \config\acls\sysSaveUserSettings.acl
HTML	<i>\$imdocroot</i> /im.html	<i>\$imdocroot</i> \im.html
	<i>\$imdocroot</i> /im.jnlp	<i>\$imdocroot</i> \im.jnlp
	<i>\$imdocroot</i> /index.html	<i>\$imdocroot</i> \index.html
	<i>\$imdocroot</i> /imres.jnlp	<i>\$imdocroot</i> \imres.jnlp
	<i>\$imdocroot</i> /imbrand.jar	<i>\$imdocroot</i> \imbrand.jar
	<i>\$imdocroot</i> /imssl.jnlp	<i>\$imdocroot</i> \imssl.jnlp
	<i>\$imdocroot</i> /imssl.html	<i>\$imdocroot</i> \imssl.html

For Solaris the default value for *\$CONFIGDIR* is /etc/opt/SUNWiim/default/config and *\$imdocroot* is /opt/SUNWiim/html.

For Linux the default value for *\$CONFIGDIR* is /etc/opt/soim/default/config and *\$imdocroot* is /opt/soim/html.

For Windows the default value for *\$BASEDIR* is c:\Program Files\Sun\InstantMessaging, and *\$imdocroot* is c:\Program Files\Sun\InstantMessaging\html.

Glossary

alert Alerts are notifications that contacts instantly receive as a pop-up message. The sender is notified when the message is read if the “Show message status” option is selected. If the alert message requires a response, right click on the alert to Chat with the Sender.

authentication The process of validating user credentials. In private and public computer networks (including the Internet), authentication is commonly done through the use of login ids and passwords. Knowledge of the password is assumed to guarantee that the user is authenticated.

certificate An electronic document used to identify the Instant Messaging server, and the public key associated with it. Sun ONE Instant Messaging supports the exchange of certificates between Instant Messaging servers. The certificate that is exchanged is transparent to individual users.

CA Certificate Authority. An authority in a network that issues and manages security credentials and public keys for message encryption and decryption. As part of a public key infrastructure (PKI), a CA checks with a registration authority (RA) to verify information provided by the requestor of a digital certificate. If the RA verifies the requestor’s information, the CA issues a certificate.

chat Instant Messaging server’s version of instant messaging, Chat is a real-time conversation capability that enables users to complete projects, answer customer questions, and complete other time-critical work assignments. Chat sessions are held either in chat rooms created when required or in pre-established conference rooms.

cn LDAP alias for common name.

conference room A pre-established chat room, configured by the administrator or another user with `sysRoomsAdd` privilege, who also determines which users can view and access conference rooms.

contact Contacts are LDAP userIDs or groups that you use to send and receive instant messages with. You add contacts to your personalized contact groups so that you can monitor their online status. Also known as “buddy” in other instant messaging environments.

contact group A list of contacts that a user maintains. The actual list is stored on the Instant Messaging server. You can create contact groups to keep track of different people in a logical way.

contact list It is the list of all your contact groups in Sun ONE Instant Messenger.

cooperating server A server that wants to communicate with your server, and one your server wants to communicate with. Also known as a coserver. Each cooperating server is given a symbolic name, which is a string consisting of letters and digits. For example, `coservern`, where `n` is a number.

coserver See cooperating server.

directory service A logically centralized repository of information. Instant Messaging server depends on a directory service for user authentication. See also [LDAP](#).

distinguished name The comma-separated sequence of attributes and values that specify the unique location of an entry within the directory information tree. Often abbreviated as DN.

DN Distinguished name.

dn LDAP alias for distinguished name.

DNS Domain Name System. A distributed name resolution software that enables computers to locate other computers on a UNIX® network or the Internet by domain name. DNS servers provide a distributed, replicated, data query service for translating hostnames into Internet addresses.

firewall A dedicated gateway machine with special security precautions used to service outside network, especially Internet, connections and dial-in lines. The idea is to protect a group of more loosely administered machines hidden behind the firewall from unwanted entry from outside the firewall.

HTTP Hyper Text Transfer Protocol. A standard protocol that allows the transfer of hypertext documents over the Web. Instant Messaging server uses HTTP to support data flow between itself and Sun ONE Instant Messenger clients.

Instant Messaging multiplexor Improves Instant Messaging server scalability by allowing a large number of concurrent client connections to require only a few connections to the backend Instant Messaging server. Sun ONE Instant Messenger clients connect to the multiplexor rather than the Instant Messaging server itself. When installed on the public side of a firewall, the multiplexor protects the user database from intruders, leaving the Instant Messaging server behind the firewall.

Instant Messaging server The backend server process within the product that handles incoming commands from Sun ONE Instant Messenger client via the Instant Messaging multiplexor. The Instant Messaging server also communicates with the LDAP server to authenticated the Instant Messaging users. See also Instant Messaging multiplexor.

Sun ONE Instant Messenger The Instant Messaging client that enables users to send and receive instant messages and alerts.

Sun ONE Portal Server A software product that enables remote users to securely access their organization's network and its services over the Internet. Additionally, it creates a secure Internet portal, providing access to content, applications, and data to targeted audience, such as employees, business partners, or the general public.

Java applet A small application program, written in Java, that can be sent along with a web page to a user's browser. Java applets can perform tasks without having to send a user request back to the server. Sun ONE Instant Messenger client is a Java applet.

Java Web Start A Web application launcher. With Java Web Start, applications are launched by clicking on the web link. If the application is not present on your computer, Java Web Start automatically downloads it and caches it on your computer. Once an application is downloaded to its cache, it can be launched from a desktop icon, or from a browser link. No matter which method is used to launch the application, the most current version of the application is always presented.

LDAP Lightweight Directory Access Protocol. LDAP is a protocol used for the storage, retrieval, and distribution of information.

LDAP server A software server that maintains a LDAP directory and services queries to the directory. The Sun Directory Services and the Netscape Directory Services are implementations of a LDAP Server.

news channel News channels are forums for posting and sharing information. Users subscribe to news channels of interest in order to see updates. The information in a news channel is usually published automatically through a URL, or by a user with proper privilege. Administrators can control news channel access by assigning users to the channels they need, and by determining who can see or publish information to news channels.

news channel list A window that shows all the news channels you are currently subscribed to. Each news channel is indicated by a separate tab.

plug-in Code extensions to the browser that display or execute content inside a web page. Plug-ins enable the browser to display page content elements that the browser would otherwise not be able to display.

poll The polling function in Sun ONE Instant Messenger enables you to query users for their response to a question. You send a question and possible answers to selected users and they respond by selecting an answer.

server process A self-contained, fully functional execution environment set up by an operating system. Each instance of an application typically runs in a separate process.

service A Windows NT program which runs under the Windows NT service manager. As such, it can be started automatically during the start up. A default Windows installation has several services configured. One example is the DHCP client. The Instant Messaging server installation tool configures two Windows services: the Sun ONE Connection Multiplexor, and the Sun ONE Instant Messaging server.

sn LDAP alias for surname.

SSL Secure Sockets Layer is an open, non-proprietary security protocol for authenticated and encrypted communication between clients and servers. Instant Messaging supports server-to-server SSL.

status event Status of a user including whether online.

user ID User identification. A unique string identifying a user to a system. Also referred to as a userid.

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