Sun Java[™] System Instant Messaging Release Notes

Version 6 2004Q2

Part Number 817-5935-10

These Release Notes contain important information available at the time of this release of Sun Java System Instant Messaging 6 2004Q2. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Instant Messaging 6 2004Q2.

The most up-to-date version of these release notes can be found at the Sun Java System documentation web site: http://docs.sun.com/. Check the web site prior to installing and setting up your software and then periodically thereafter to view the most up-to-date release notes and product documentation.

These release notes contain the following sections:

- Release Notes Revision History
- About Instant Messaging 6 2004Q2
- Bugs Fixed in This Release
- Important Information
- Known Issues and Limitations
- Redistributable Files
- How to Report Problems and Provide Feedback
- Additional Sun Resources

Release Notes Revision History

Table 1 Revision History

Date	Description of Changes
May 17, 2004	Initial release of these release notes.
June 24, 2004	Linux platform updates to these release notes.

About Instant Messaging 6 2004Q2

Sun Java System Instant Messaging delivers secure presence and extended real-time messaging, enabling communities of users to communicate and collaborate instantly and securely. It combines instant messaging capabilities with conferences, alerts, news, polling and file transfer to create a rich collaborative environment. It leverages an existing community, managed using LDAP, Sun Java System Identity Server or Sun Java System Portal Server.

Hardware and Software Requirements

This section lists the requirements for installing the Sun Java System Instant Messaging software. Before you install, ensure you have met the minimum hardware and operating system requirements. JRE 1.4 is supported by both server and client.

The following topics are covered in this section:

- Server Operating System Requirements
- Server Hardware Requirements
- Client Operating System Requirements
- Client Software Requirements
- Client Hardware Requirements

Server Operating System Requirements

This release of Sun Java System Instant Messaging supports the following platforms:

Solaris 8 with recommended patches.

A list of recommended patches for Solaris 8 can be found at the following location:

http://accessl.sun.com/patch.public/

Solaris 9.

Server Software Requirements

This version of Instant Messaging is compatible with the following versions of other server software:

- Sun Java System Calendar 6 2004Q2
- Sun Java System Directory Server 5 2004Q2
- Sun Java System Identity Server 6 2004Q2
- Sun Java System Messaging Server 6 2004Q2
- Sun Java System Portal Server 6 2004Q2
- Sun Java System Web Server 6.1 Service Pack 1

Server Hardware Requirements

The minimum hardware requirements for installing Sun Java System Instant Messaging are as follows:

- Approximately 300 MB of free disk space for the software.
- Approximately 5K of disk space for each user.
- At least 256 MB of RAM. The amount of RAM needed depends on the number of concurrent client connections, and whether the server and multiplexor are deployed on the same host.

Client Operating System Requirements

This release supports the following client platforms:

- Solaris 8 and 9
- Microsoft Windows 98 or later (ME, NT (SP 6a), 2000, XP)
- Mac OS X 10.1 or later
- · Red Hat Linux 7.2 or later

Client Software Requirements

On Windows, you can run Instant Messenger using the browser's java plug-in from the following browsers:

- Netscape 4.7x, 7 or later
- Mozilla 1.2 or later
- Internet Explorer 5.0 or later

If the client machine has Java 1.4 or a higher version 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. Internet Explorer does not include the latest version of Java.

If the client machine does not have Java v1.4 or a higher version installed, you need to install Java Web Start. You can download and Install Java v1.4. from the following location:

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

You can download and install Java Web Start from the following location:

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

HTML links can be exchanged over Instant Messenger and activated from the messenger by clicking them. When a link is activated, the messenger invokes a browser. Table 2 lists supported operating system and browser combinations:

 Table 2
 Supported Client Operating System and Browser Combinations

Operating System	Browser
Solaris	Netscape Communicator 4.7x or later
Red Hat Linux 7.x	Netscape 4.7
Red Hat Linux 8.0 or later	Mozilla 1.2 or later
Windows 98/ME/NT/2000/XP	no restrictions
Mac OS X	no restrictions

Client Hardware Requirements

Instant Messenger uses between 20 and 40 MB of memory on most platforms. You should estimate the memory requirement by including the requirements of other applications (including operating systems) used on the client machine. In most cases, at least 128 MB RAM is recommended in order to run Instant Messenger and other applications comfortably. This number becomes higher when using memory-intensive operating systems such as Windows XP.

Bugs Fixed in This Release

The table below describes the bugs fixed in Instant Messaging 6 2004Q2:

Table 3 Fixed Bugs in Instant Messaging 6 2004Q2

Bug Number	Description
4795970	On Solaris, when the Instant Messaging server is used with Sun Java System Identity Server, the Instant Messaging server will not run under a user other than root.
	This no longer occurs.
4849527	On Solaris, sometimes the multiplexor hangs during shutdown or refresh.
	This no longer occurs.
4851386	If you backspace over the first character of a chat message, the entire message is deleted.
	This no longer occurs.

Table 3 Fixed Bugs in Instant Messaging 6 2004Q2 (Continued)

Bug Number Description 4862326 Messenger uses all swap space on SunRay server. In SunRay deployments, situations have arisen where a client session of one of the users consumed all the memory of the system. This problem no longer occurs if you are using Java 1.4.2. Workaround: Run the messenger as an application. Modify the following script for your environment, for example change file paths and server names as necessary, then make it available to users through the web server: #!/bin/sh # Location of Instant Messaging resource files LIBDIR="./lib" # Java command. Modify if necessary. JAVA_CMD="/usr/j2se" # Instant Messaging server name and port and the URL of Instant Messaging resources SERVER=im.example.net:29909 CODEBASE=http://www.example.net:8080/im # Language if ["\$LANG" == "C"] ; then \$locale="en" else \$locale='echo \$LANG | cut -d _ -f 1' fi LD_LIBRARY_PATH=\${LIBDIR}:\$LD_LIBRARY_PATH export LD_LIBRARY_PATH IM_CLASSPATH=\${LIBDIR}/messenger.jar:\${LIBDIR}/imnet.jar: \${LIBDIR}/\${locale}/imbrand.jar:\${LIBDIR}/\${locale}/imres.jar: \${LIBDIR}/jcert.jar:\${LIBDIR}/jnet.jar:\${LIBDIR}/jsse.jar: \${LIBDIR}/imdesktop.jar:\${LIBDIR}/icalendar.jar: \${LIBDIR}/javaws.jar:\${LIBDIR}/imjni.jar echo "Starting Instant Messenger on \$SERVER ..." \$JAVA CMD -classpath \$IM CLASSPATH com.iplanet.im.client.iIM server=\${SERVER}

help_codebase=\${CODEBASE}/\${locale}/imhelp > /dev/null 2>&1

 Table 3
 Fixed Bugs in Instant Messaging 6 2004Q2 (Continued)

Bug Number	Description
4949358	Unable to configure Instant Messaging to work with BEA Web Container.
	The JAXP_HOME parameter is now included in imServiceConfigure by default. In addition, the Sun Java System Instant Messaging Installation Guide now contains instructions for creating the PASSFILE file.
	Workaround:
	 After you install, create a file named installation directory/SUNWiim/lib/PASSFILE. Where installation directory is the directory in which you installed Instant Messaging.
	2. Add the following contents to the file: DS_DIRMGR_DN=Directory manager DN DS_DIRMGR_PASSWORD=Directory manager password DS_HOST=LDAP server hostname DS_PORT=LDAP server port DS_BASE_DN=LDAP server base dn
	3. Run the configure utility as described in the Installation Guide.
4949073	Running configure twice causes the configure utility to fail and generate errors.
	This no longer occurs.
4951518	Instant Messenger fails to launch in locales with explicit country/locale code.
	This no longer occurs.
4955266	Instant Messaging fails to start if SSL is enabled for Identity Server.
	This no longer occurs. The following line was added to the imadmin script to fix this error:
	-Djava.protocol.handler.pkgs=com.iplanet.services.comm

Important Information

This section contains the latest information that is not contained in the core product documentation. This section covers the following topics:

- Installation Notes
- Compatibility Issues
- Documentation Updates for Instant Messaging 6 2004Q2

Installation Notes

See Table 4 in the Known Issues and Limitations section for known installation issues.

Compatibility Issues

6.1 Instant Messenger can communicate with this release of the server; however, the 6 2004Q2 Instant Messenger requires the 6 2004Q2 server. Server-to-server communication is compatible between 6.1 and 6 2004Q2 releases of the server. No changes are required to the server configuration (in iim.conf) and no migration of other server-related data is required. Refer also to the section on upgrading in the Sun Java System Instant Messaging Installation Guide and the Sun Java System Installation Guide.

Documentation Updates for Instant Messaging 6 2004Q2

The following are errors in the documentation:

- (4963760) The online help and Quick Reference files mention JRE 1.3 as a supported version for the Instant Messenger client. This is incorrect, 1.4 is the only supported version of JRE for this release.
- (4963412) The online help provides erroneous instructions for stopping the uninstallation of Instant Messaging. Specifically, the instructions tell you to click Stop to stop the uninstallation. In fact, there is no stop button, and no way to stop the uninstallation.
- (5051466) In Chapter 3 of the Sun Java System Instant Messaging Administrator's Guide, there are incorrect instructions for launching IM through SSO (See 5027790). The correct instructions should read:

To launch the Sun Java System Instant Messenger client using single sign-on with Sun Java System Identity Server use <code>imlaunch.jsp</code>. This file is in the resource directory. To launch the Instant Messaging server enter the following in the browser:

 $\verb|instant-messaging-codebase/IMLaunch.jsp?server=multiplexor-hostname:multiplexor-port|$

or

instant-messaging-codebase/IMLaunch.jsp?server=www.example.com:49909

where.

instant-messaging-codebase is the codebase from which the Instant Messenger resources
are downloaded. For example, http://www.example.com.

(multiplexor)-hostname is the name for the multiplexor. For example,

http://www.company22.com.

(multiplexor) port is the multiplexor port number. For example, 49909

IMLaunch. jsp is used for launching Instant Messenger through either Java Web Start or Java Plug-in.

Known Issues and Limitations

This section contains a list of the more important known issues at the time of the Instant Messaging 6 2004Q2 release.

Patch updates are issued on a frequent basis. If you encounter a problem while installing or using Sun Java System Instant Messaging, contact Sun Support to enquire about the availability of a fix for this problem. Alternatively, you may consult the Sun web site for patches:

http://sunsolve.sun.com

Table 4 lists the known problems and limitations:

Table 4 Known Problems and	Limitations
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Table 4	Known Froblems and Limitations
ID	Summary
4609599	Font customizations have no effect on Japanese or Chinese characters.
	When using the Messenger client, if the Bold, Italic or Underline button is pressed prior to entering Japanese or Chinese characters, the buttons have no effect on the displayed font of the characters.
4632723	Idle detection is not implemented on Mac OS.
	If a user leaves an Instant Messenger session, the user's absence is not automatically detected.
	Workaround:
	Mac OS users need to explicitly set their presence status as AWAY, prior to leaving.
4684196	Cannot launch HTML file directly from an alert message on Mac OS.
	Workaround:
	In order for the link to work, users need to include the link in the message using the "include link" command instead of using "attach".
4806791	Alerts with embedded images are not rendered faithfully.
	When a recipient receives an alert with embedded images, the images are not centered and font information present in the accompanying text is lost.
4810627	When using the command-line installation, navigation back to a previous page is not possible.
& 5010677	During a command-line installation, a user should be able to return to their previous page of choices by entering a left-angle bracket ("<") command. This does not work correctly.
	Workaround:
	Either use the GUI-based installer or restart the command-line installer and try again.
4822142	In certain situations, users are unable to communicate with one another if they reside on different servers. For example, after accepting an invitation to a chat from <i>user1</i> , <i>user2</i> (who is on a different server from <i>user1</i>) is unable to post a message.
4822841	Presence access control does not work across federated Instant Messaging servers.
	If a user is logged onto one Instant Messaging server (allowing everyone to access their presence by default) and subsequently denies presence access to another user (who is logged in to another server), the first user's presence is still available even though it has been denied.
4823015	Keyboard navigation of server combo box does not work on the login dialog boxes.
	Workaround:
	Use the mouse to select the desired server.

Table 4	Known Problems and Limitations (Continued)
ID	Summary
4841572	Customizable statuses cannot be removed.
	Workaround:
	The least used statuses are eventually removed. To remove one immediately, add five new customized statuses; the oldest one will disappear.
4846542	On MAC OS, trying to print from the Java Web Start client hangs Instant Messenger.
	Workaround:
	Copy the message and paste it in some other application, then print.
4852719	On MAC OS, the drag and drop feature for moving contacts in the contact list does not work.
	Workaround:
	Be sure you are using JRE 1.4, available on MAC OS 10.3.
4852882	Instant Messenger Task Due Reminder has blank Reminder field if $text/xml$ format is used.
	If the Calendar server alarm type is set to $text/xml$, that is:
	<pre>caldb.serveralarms.contenttype = "text/xml"</pre>
	The Reminder field in the Instant Messenger Task Due Reminder alert window is blank.
	Workaround:
	Set this field to "text/calendar".
4858320	Confusing behavior when inviting a user to a conference when that user does not have the correct permissions to join the conference. It appears as if you invited the user, when in fact, the user never receives the invitation.
4860906	Can't create conf_room/news using certain gb18030 characters
	Since conference and news ACL file names are written using names fed from Instant Messenger, there is a problem creating ACLs when the names contain Tibetan or Arabic characters.
4861638	While installing the Messenger component, the installer may intermittently hang.
4870433	Some Conference Rooms may not appear if you change the locale in which the server runs.
4886774	Some Japanese characters cannot be displayed.
	Workaround:
	Use Java 1.4.2 or higher.

Table 4 Known Problems and Limitations (Continued)

ID Summary

Asian characters appear very small in some parts of the Instant Messenger client.

Workaround:

Provide custom values as required for the following optional look and feel classes in imbrand.properties:

messenger.lookandfeel

messenger.lookandfeel.SunOS messenger.lookandfeel.Linux messenger.lookandfeel.Windows messenger.lookandfeel.MacOS

4922347

4918238

There is no way to discern a read-only from a fully privileged user within a chat room. This may be confusing if a user attempts to send a message to a user with read-only privileges. The read-only user will not receive the message.

4929247

Users cannot send messages when a moderator has denied presence access for the user.

4929295

When multiple IM Policies are applied to a user, the policies may contradict one another. For example, when the "Regular" and "Conference Room Administrator" policy are attributed to a user, the user is unable to manage conference rooms.

Workaround:

Edit the regular user policy by unchecking the "Ability to manage conference rooms." This will ensure that the two policies do not conflict.

4942415

On Solaris, you may receive an error message similar to the following while executing the configure script from the graphical user interface.

An unexpected exception has been detected in native code outside the VM.

Unexpected Signal: 11 occurred at PC=0xF16B2684

Function=XCreateIC+0x6C

Library=/usr/openwin/lib/libX11.so.4

Workaround:

Configure Instant Messaging using the command-line. See the *Sun Java System Instant Messaging Installation Guide* for instructions.

4944558

The Web Poll tab on the Alert window doesn't display some web pages correctly. This is a limitation of the Java HTML renderer.

Workaround:

Send URLs using Message Creation tab instead of the Web Poll tab.

Table 4 Known Problems and Limitations (Continued)

ID Summary

4963412 Uninstalling Help mentions a stop button, but no stop button available.

The online help provides erroneous instructions for stopping the uninstallation of Instant Messaging. Specifically, the instructions tell you to click Stop to stop the uninstallation. In fact, there is no stop button, and no way to stop the uninstallation.

4978293

In zh_HK locales, Instant Messenger displays English. The zh_HK locale functionality is unavailable at this

5004449 A series of harmless messages will display when running the configure program on Red Hat Linux:

Starting install wizard in Command Line Interactive (non-graphical) mode

WARNING: Cannot parse rpm files by running "/bin/rpm -qp --queryformat [%{FILESIZES} %{FILENAMES}

5010947

Instant Messaging multiplexor does not work without DNS.

Workarounds:

If the multiplexor fails after installation with the error:

Error while resolving server address

you need to do one of the following:

- Enable DNS by ensuring that the hosts setting in nsswitch.conf file includes DNS before any other name service facility such as NIS. For example, hosts: files dns. On Solaris and Linux, by default the nsswitch.conf file is located in /etc.
- Modify your /etc/hosts file to include the fully-qualified domain name and IP address of the multiplexor host. For example, < Multiplexor_IP_Address > multiplexor.siroe.com loghost, where Multiplexor IP Address is the IP address of the multiplexor host machine.

5027790

If end users log into Identity Server, enable SSO, and then attempt to invoke Instant Messaging through SSO, they will be asked to reauthenticate their logins.

Workaround:

In order for SSO to work properly, be sure that end users' browsers are pointed to http://instant-messaging-codebase/IMLaunch.jsp and not jnlpLaunch.jsp or pluginLaunch.jsp when they access the Sun Java™ System Instant Messenger applet URL.

5032061

In the ja locale, attachments to Instant Messaging messages cannot be opened on SPARC and Linux platforms. Attachments can be accessed on Windows platforms and on MAC OS.

5038849

In the ja locale, line gaps between multi-line messages appear to be too large in the upper message pane.

5042732

If you uncheck the "Archive Everything" option in the Tools->Settings->Archive menu in the Instant Messaging client, the chat messages are archived.

5042884

End user is able to view archived data in search results; this is a problem with the archive provider.

Table 4	Known Problems and Limitations (Continued)
ID	Summary
5049867	On Red Hat Linux platforms, the Instant Messaging configurator is unable to locate certain files and directories. Certain file paths are incorrect.
5051260	When starting the Instant Messaging multiplexor on Windows 2000 platforms, it can unexpectedly terminate. You may see the following error message, "multiplexor.exe has generated errors and will be closed by Windows. You will need to restart the program."
5051295	In server-to-server communications, end users may be unable to unsubscribe to conference rooms.
5051299	In server-to-server communications, news channel access rights may not work for end users. For example, a user whose access is set to "NONE" is able to have "READ" access.
5051369	In server-to-server communications, an end user subscribed to a news channel on a different server is unable to chat with the message creator of the news channel.
5051371	In server-to-server communications, access rights for end users, such as "NONE," "READ," and "WRITE," do not function properly in conference rooms.
5051377	If you try to explicitly grant and deny access to an end user through the Tools->Settings-> Access menu, it may fail in a server-to-server communication.
5055806	On Red Hat Linux platforms, using SSO over SSL through Identity Server for Instant Messaging will not work unless you use Java Web Start 1.4.2.
5057369	On Red Hat Linux platforms, the ens. jar file does not exist.
	Workaround:
	Copy the ens.jar file from another Communications server product (for example, Sun Java System Messaging Server or Sun Java System Calendar Server) and copy it to <code>basedir/private/share/lib</code> .
5057981	On Red Hat Linux platforms, the following problems occur with archiving: if you uncheck the "Archive Everything" option and uncheck "Archive Poll Results" in the Settings menu, polls are archived. If you uncheck "Archive Everything" option and uncheck "Archive Alerts and Replies" in the Settings menu, the alerts are archived.

Table 4 Known Problems and Limitations (Continued)

ID Summary

5063258 The 1da

The ldapjdk.jar file links to an inaccessible directory: /share/builds/components.

Workaround:

In the imadmin script, replace the existing ldapjdk. jar file with

/opt/sum/server-console/5.2/java/ldapjdk.jar from the sun-server-console-5.2-3.i386 Administration console package which is automatically installed during the Java Enterprise Server Linux installation.

For example:

server_classpath=\$PCD/imxmpp.jar:\$PCD/imserv.jar:\$PCD/imservres.jar:\$PCD/improvider.jar:\$
PCD/imservice.jar:\$PPrLD/activation.jar:\$PPrLD/mail.jar:\$PPrLD/ens.jar:\$PPrLD/jms.jar:\$PCD/imservice.jar:\$PCD/jms.jar:

should be changed to:

server_classpath=\$PCD/imxmpp.jar:\$PCD/imserv.jar:\$PCD/imservres.jar:\$PCD/improvider.jar:\$
PCD/imservice.jar:\$PPrLD/activation.jar:\$PPrLD/mail.jar:\$PPrLD/ens.jar:\$PPrLD/jms.jar:\$PCD/inservice.jar:\$PCD/suncalendar.jar:\$PCD/searchsdk.jar:/opt/sun/server-console/5.2/java/ldapjdk.jar:\$PCD/imidutil.jar:\${JAXP_JARS}

Redistributable Files

Sun Java System Instant Messaging 6 2004Q2 does not contain any files which you can redistribute.

How to Report Problems and Provide Feedback

If you have problems with Sun Java System Instant Messaging, contact Sun customer support using one of the following mechanisms:

• The online support web site at:

http://www.sun.com/supportraining/

• The telephone dispatch number associated with your maintenance contract

Please have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation
- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem
- Detailed steps on the methods you have used to reproduce the problem
- Any error logs or core dumps

Additional Sun Resources

Useful Sun Java System information can be found at the following Internet locations:

Sun Java System Documentation

http://docs.sun.com/

• Sun Java System Professional Services

http://www.sun.com/service/sunps/sunone

Sun Java System Software Products and Service

http://www.sun.com/software

Sun Java System Software Support Services

http://www.sun.com/service/sunone/software

Sun Java System Support and Knowledge Base

http://www.sun.com/service/support/software

Sun Support and Training Services

http://www.sun.com/supportraining

Sun Java System Consulting and Professional Services

http://www.sun.com/service/sunps/sunone

Sun Java System Developer Information

http://sunonedev.sun.com

• Sun Developer Support Services

http://www.sun.com/developers/support

Sun Java System Software Training

http://www.sun.com/software/training

Sun Software Data Sheets

http://wwws.sun.com/software

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