Sun Java™ Enterprise System Release Notes for Microsoft Windows

Version 2005Q4

Part Number 819-4261-10

These Release Notes contain important information available at the time of release of Sun Java Enterprise System 2005Q4 for Windows. Known limitations and problems, technical notes, and other information are addressed in this release. Read this document before you begin using Java Enterprise System.

The most up-to-date version of these release notes can be found at the Sun Java Enterprise System documentation web site: `http://docs.sun.com/app/docs/prod/entsys.05q4`. Check the web site prior to installing and setting up your software and then periodically thereafter to view the up-to-date release notes and product documentation.

These release notes contain the following sections:

- Component Release Notes

- Release Notes Revision History

- About Sun Java System Java Enterprise System 2005Q4

- Bugs Fixed in This Release

- Important Information

- Known Issues and Limitations

- Redistributable Files

- How to Report Problems and Provide Feedback

- Additional Sun Resources

All component-specific information appears in the respective component release notes.

Component Release Notes

All the component specific information appears in the respective component release notes.The following component release notes can be found at: http://docs.sun.com/app/docs/coll/1315.1.

- Sun Java System Access Manager 7 2005Q4

- Sun Java System Administration Server 5 2005Q4

- Sun Java System Application Server 8.1 2005Q4

- Sun Java System Calendar Server 6 2005Q4

- Communications Express 6

- Sun Java System Directory Proxy Server 5 2005Q4

- Sun Java System Directory Server 5.2 2005Q4

- Sun Java System Instant Messaging 7 2005Q4

- Sun Java System Message Queue 3 2005Q4

- Sun Java System Messaging Server 6 2005Q4

- Sun Java System Portal Server 6 2005Q4

- Service Registry 2005Q4

- Sun Java System Web Proxy Server 4.0.1 2005Q4

- Sun Java System Web Server 6.1 SP4 2005Q4

Third-party URLs are referenced in this document and provide additional, related information.

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Release Notes Revision History

Table 1   Revision History

Date	Description
February 2006	Revenue release.
November 2005	Beta release.

About Sun Java System Java Enterprise System 2005Q4

This section includes:

- What's New in Sun Java Enterprise System

- System Requirements

- Java 2 Standard Edition Requirements

- Unsupported Features

What's New in Sun Java Enterprise System

Table 2   New Features in Sun Java Enterprise System Components

Component Product	Features
Access Manager	• Product name has changed from Identity Server to Access Manager
	• New authentication modules: Java Database Connectivity (JDBC), Mobile Station ISDN, (MSISDN), Active Directory, and Security Assertion Markup Language (SAML)
	• Policy Management includes a new Resource Name plug-in: HttpURLResourceName
	Console enhancements:
	• Ability to customize the view of each object type in the navigation pane by displaying one or more of the attributes of the object
	• Ability to add new object types in the navigation pane drop-down menu (for example, adding an entry for printers or buildings
	Federation Management:
	• Support for the Liberty Alliance Project (LAP) Name Identifier Mapping Protocol
	• Support for the LAP Identity Web Services Framework (ID-WSF) Discovery Service Specification, Version 1.1
	• Support for the LAP ID-WSF Authentication Service Specification
	• Support for the LAP Metadata Description and Discovery Specification
	• Support for the LAP Liberty Identity Federation Framework (ID-FF) Extended Profiles:
	• Dynamic Identity Provider Proxying
	• Affiliation Federation
	• One-time Federation
	• Name Identifier Mapping Profile
	• Name Identifier Encryption Profile
	Client SDK:
	• Repackaged SDK (Authentication, Service Management, User Management, SAML, Policy Client, and Session components) so that Java application developers can better integrate with Access Manager
	• Removed the dependency on the serverconfig.xml file and minimized the footprint of the jar files
	Performance tuning script is available to tune Application Server 8.1 as a web container
Administration Server	• No new features

Table 2   New Features in Sun Java Enterprise System Components *(Continued)*

Component Product	Features
Application Server	• J2EE 1.4 support
	• High performance and scalability
	• High availability
	• JavaServer Faces 1.1 support
	• JavaServer Pages Standard Tag Library 1.1 support
Calendar Server	• Automatic Backups - csstored is now a service that starts up when start-cal is issued. It must be configured to function properly
	• Read-only database - You can configure Calendar Server to only allow reads but no updates or deletions to your calendar databases. This is recommended when data corruption is suspected but you need to keep your databases available for production work. No updates or deletions are accepted during this time
	• User Management Utility Name Change - The User Management Utility (command-line utility) is now called the Delegated Administrator Utility
	• Delegated Administrator GUI - There is a new Delegated Administrator GUI, but it does not support Calendar Server for the 2005Q1 release
	• Installation Changes for Directory Preparation Script - This post-installation configuration program is now a separately installable component in the Java Enterprise System Installer. It is no longer bundled in the installation of Calendar Server
	• csstored service has been added in this release
Directory Proxy Server	• No new features
Directory Server	• In versions of Directory Server prior to Directory Server 5.2 2005Q1, you could not rename an entry. With Directory Server 5.2 2005Q1 you can rename and move an entry.
	• Extension of the retro change log to identify the order in which updates are made for each replica
Instant Messaging	• Updated and Improved Instant Messaging Client
	• XMPP, the IETF instant messaging and presence standard protocol
	• Enhanced Monitoring features
	• Monitoring Via the watchdog Utility
	• Determining the Status of the watchdog Utility
	• Starting and Stopping the watchdog Utility
	• Monitoring the Instant Messaging Server

Table 2 New Features in Sun Java Enterprise System Components *(Continued)*

Component Product	Features
Message Queue	• New Technical Overview
	• Reorganized Administration Guide
	• Reorganized Developer Guide for Java Clients
	• Reorganized Developer Guide for C Clients
	• Dead Message Queue
	• No Acknowledgement Mode
	• Connection Failure Detection (Client Ping)
	• Client Message Body Compression
	• JMS Resource Adapter Changes
	• 64-bit C-API support
	• Deprecation of -p/-password Command
	• C-API Certificate Management
	• C-API Basic Authentication Support
	• New Sample Application, MQPing
Messaging Server	• Sun Java System Communications Services 6 2005Q1
	• Secure/Multipurpose Internet mail Extension (S/MIME), supported by Sun Java System Communications Express Mail
	• Support for anti-spam/anti-virus programs that work with the Internet Content Adaptation Protocol (ICAP)
	• Enhanced logging
Portal Server	No new features
Web Server	No new features

System Requirements

Sun Java System Java Enterprise System and associated applications require minimum 100 MB of disk space. The supported Operating Systems for Sun Java Enterprise System are:

Table 3 Supported Platforms for Java ES 4 Windows

Platform	Minimum Hardware	Hardware Recommended	Minimum RAM	RAM Recommended	Swap Space
Microsoft Windows 2000 SP4	PIII 512MHz 6GB	PIV 1GHz 8GB	512MB	1GB	2GB
Microsoft Windows XP SP2	PIII 512MHz 6GB	PIV 1GHz 8GB	512MB	1GB	2GB
Microsoft Windows 2003 Server	PIII 512MHz 6GB	PIV 1GHz 8GB	512MB	1GB	2GB

Table 4 Component Disk Installation Space and RAM Requirements

Component	Minimum Disk Space and RAM Requirements for Installation
Messaging Server	500 MB of disk space, 512 MB of RAM
Message Queue	100 MB of disk Space, 256 MB of RAM
Instant Messaging	300 MB of disk space; 512 MB of RAM
Directory Server	100 MB of disk space; 512 MB of RAM
Directory Proxy Server	200 MB of disk space; 512 MB of RAM
Web Server	200 MB of disk space; 256 MB of RAM
Application Server	500 MB of disk space; 512 MB of RAM
Portal Server, Portal Server SRA	1 GB of disk space; 512 MB of RAM
Calendar Server	300 MB of disk space; 128 MB of RAM
Administration Server	100 MB of disk space; 512 MB of RAM
Access Manager	500 MB of disk space; 512 MB of RAM

For more information on disk space and RAM requirements, refer to the respective component Release Notes.

Java 2 Standard Edition Requirements

Sun Java Enterprise System is certified with Java 2 Standard Edition (J2SE) 1.5 update 4 from Sun Microsystems.

Sun Java Enterprise System 2005Q4 includes the appropriate version of J2SE.

If your system has J2SE 1.5 update 4 runtime environment installed without development tools, installer installs the development tools package while re-installing the Sun Java Enterprise System. This package contains several facilities required by the Sun Java Enterprise System. See the *Java Enterprise System Installation Guide* at http://docs.sun.com/app/docs/doc/819-2328 for details on how to determine the version of J2SE installed on your system and how to prepare your system prior to installing Java Enterprise System.

Unsupported Features

- Sun Cluster and Net Connect

- Inter-operability with Sun ONE products not supported

- Web container support for BEA WebLogic and IBM WebSphere

- Load Balancer support for Apache and IIS

Bugs Fixed in This Release

Table 5   Bugs Fixed in This Release

Bug ID	Description
6286436	admin_server/windows JES3 Windows:build9:Two login screens are invoked when I clicked on "startconsole.exe"
6295958	Impossible to enter AS master password and the master pswd is unknown for the user only in Configure Now mode.
6295778	DA L10N bug: Assign service packages error messages are not localized.
6295774	DA L10N bug: New organization creation Error message not localized
6295776	DA L10N bug: Properties error message is not localized
6291549	DPS config failed during installation
6288482	orion/windows-install JES3 Windows:b10:DS Configurator has some corrupted japanese messages
6291493	orion/windows-install JES3-WindowsInstaller: DS configuration failed throwing exception

Table 5 Bugs Fixed in This Release

Bug ID	Description
6294304	JES3 Windows: IM Services are all English on AM console
6297146	start-msg is not checking weather mmp port is busy while starting messaging Server
6284053	CLASSPATH env variable is being set unnecessarily when installing Message Queue on windows
6294881	L10N: JES 3 SF b12a:Unable to change language for only one option "English(United States)".
6302443	JES3 Windows: g11n - AM console are ja & en mixed for Portal Server part
6302434	JES3 SF b12c:Lack of two links in "My Application" channel on CCJK locales
6316742	pdeploy does not take WAR argument as documented
6317223	pdeploy does not undeploy from web container
6327997	Calendar, Address book pages not appearing
6327998	Shortcut need to be clicked twice on win 2003 to go to home page

Important Information

This section covers the following:

- Patch Information
- Accessibility Features for People With Disabilities
- Support for Netscape Security Services 3.9.5

Patch Information

For patch information for a given component, refer to the "Component Release Notes" on page 2.

In addition, go to SunSolve at http://sunsolve.sun.com. Navigate to the Patch Portal. Click "Recommended Patch Clusters" and choose "Java Enterprise System Component Patches". You can find the product in which they are looking for patches and click on that product link.

For detailed information about Upgrade procedure for any product component from JES3 to JES4 refer *Sun Java Enterprise System 2005Q4 Upgrade Guide for Microsoft Windows* located at http://docs.sun.com/app/docs/doc/819-4461.

Accessibility Features for People With Disabilities

To obtain accessibility features that have been released since the publishing of this media, consult Section 508 product assessments available from Sun upon request to determine which versions are best suited for deploying accessible solutions. Updated versions of applications can be found at: http://sun.com/software/javaenterprisesystem/get.html.

For information on Sun's commitment to accessibility, visit http://sun.com/access.

Support for Netscape Security Services 3.9.5

Version 3.9.5 of the Netscape security libraries is included in Java Enterprise System. Directory Server, Directory Proxy and Administration Server depend on the version of the libraries installed under \<jes-install-dir>\share\lib\ while all other components that depend on these libraries depend on the newer version installed under \<jes-install-dir>\share\lib\jes.

Known Issues and Limitations

This section describes the known issues and limitations of Sun Java Enterprise System for Windows.

This section covers the following topics:

- Free Space Requirement
- Configuration
- Folder Names
- Destination Folder Path
- Installation
- Disk Space
- General Issues

Free Space Requirement

Space in system folder `Temp` directory should be double the size of the installer (6237302), (6264346)

The computer's User's TEMP folder should have a free space double than the size of the installer. For example, if the installer zip size is 380 MB the default system drive's [C:\] Temp folder should have 380 x 2 = 760 MB free space and the same applies to the install directory too. This is a requirement for the install shield as well. This holds good even while trying to install in any other drive [D:\ or E:\]. It should have a free space of 780 MB or above.

Workaround

Temp folder can be changed by giving different value for TEMP & TMP variables in User Environment variable section which have default value as %USERPROFILE%\temp.

NOTE	Even if User's TEMP variable changes with different value other than %USERPROFILE%\temp, the system drive still requires the space to store `.msi` file for future reference, when installer is invoked from Add/Remove Program, for modify/remove option.

Configuration

During Configure Manually After Installation mode if blank space is present after the User ID or Password the configuration fails (6232650)

During the 'Configure Manually After Installation' mode if a blank space is present after the User ID and Password in the properties file of any of the product, the product will not get configured successfully.

Workaround

None.

In Configure Automatically During Installation mode, passwords are stored in plain text as passed to the configurator on windows (6247136)

If 'Configure Automatically During Installation' option is chosen during installation for evaluation purposes, note that the administrator password is persisted on the configuration file `installer.properties` in clear text. We recommend that you protect and backup this file.

Folder Names

Sun Java ES cannot be installed in the folders with folder names with space in between (6293986)

For example Program Files folder must be named as ProgramFiles without the space in between the two words.

Workaround

None.

Destination Folder Path

Destination folder path "/" displays incorrectly on zh_CN locale (6290945)

When you install Sun Java ES 3 on Windows 2000 AS, at the "Select destination folder path" panel, the default path is `C:/Sun/"`. The "/" displays as RMB character in the Chinese language.

Workaround

None.

Installation

Panel for selection of web containers (WS/AS) is not available while installing Sun Java ES (6282934)

Sun Java ES web container dialog box shows up only when you do not select any of the web containers (Application Server or Web Server) in the Product selection panel during installation.

Workaround

None.

Dispatcher hangs during Configure Automatically During Installation in Microsoft Windows XP (6278215), Microsoft Windows 2003 (6336350)

Workaround

1. Stop the start-up during installation using Ctrl+C and let the installation go through.

2. After the installation is complete, start messaging server using start-msg on command line

Access Manager, Portal Server, UWC and DA used as a target Application Server virtual server, AppServer1 has to be used server (6287671)

Difference from Solaris: The instance name which is used for deployment in eval configuration is 'Appserver1'. This is different from Solaris where the deployment is done on 'server' instance.

Web Server is selected automatically and cannot uncheck (6355622)

If Application Server is selected, all the subcomponents get selected by default.

Workaround

If you do not need the load balancing features please unselect load balancer and this will result in automatic unselection of webserver also.

Sun Java ES 3 Windows customer unable to install/configure Sun Java ES if firewall is running (6262294)

Workaround

If there is any firewall running on the system, disable and stop firewall services and restart the system. Make sure that the services are disabled after restart. Then start the installation of Java ES. Once installation is done the services can be restarted.

The services can be disabled either from the client UI or from Windows Services applet.

Before any installation, check the registry entries if the JES product components have been installed and uninstalled (6370081)

Workaround

Check before the installation, whether the HKLM\SOFTWARE\Sun Microsystems\EntSys registry is present. If it is present, then remove the entry manually.

When installation is started from Windows folder, Message Queue is selected twice and Message Queue configuration hangs (6378426)

Workaround

Setup.bat which is in the root folder of the DVD needs to be used to invoke the installer. Using Windows\Setup.exe causes the Message Queue configuration to hang.

If you are using network install, you need to copy the Setup.bat and autorun.inf from root folder and the Windows folder in the same directory hierarchy.

Disk Space

Sun Java ES - MQ PE distro installation gives fatal error (6285856)

Sun Java ES installation gives fatal errors when installing in a drive with insufficient space and then switching to another drive with sufficient space.

Before you begin installation check that there is enough space in the drive in which you are going to install the product. Once you get the error message that there is insufficient memory space in the current drive, it is not possible to shift to another drive. The installer gives fatal error message and crashes.

General Issues

- Reverse proxy is not tested in Java ES RR build (6298197)

- Gateway not tested with 2 different subnets (6299958)

- System does not have fully qualified domain name (6355626)

  See "Verifying the DNS Suffix" in the Troubleshooting chapter of the *Sun Java Enterprise System Installation Guide for Microsoft Windows (819-4280)*.

For a detailed list of Known Issues and Limitations of each component, refer to the respective component Release Notes.

Access Manager

See *Access Manager 7 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4262

Administration Server

See *Administration Server 5 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4263

Application Server

See *Application Server Enterprise Edition 8 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4264

Calendar Server

See *Calendar Server 6 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4265

Directory Proxy Server

See *Directory Proxy Server 5 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4266

Directory Server

See *Directory Server 5 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4267

Instant Messaging

See *Instant Messaging 7 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4260

Messaging Queue

See *Message Queue 3 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4268

Message Server

See *Messaging Server 6 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4269

Portal Server

See *Portal Server 6 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4270

Service Registry

See *Service Registry 2005Q4 Release Notes for Microsoft Windows*

http://docs.sun.com/app/docs/doc/819-4279

Web Proxy Server

See *Web Proxy Server 4.0.1 2005Q4 Release Notes for Microsoft Windows*

http://docs.sun.com/app/docs/doc/819-4278

Web Server

See *Web Server 6.1 SP4 2005Q4 Release Notes for Microsoft Windows*:

http://docs.sun.com/app/docs/doc/819-4271

Redistributable Files

Sun Java System Java Enterprise System 2005Q4 does not contain any files which you can redistribute.

How to Report Problems and Provide Feedback

If you experience problems with Java Enterprise System, contact Sun customer support using one of the following mechanisms:

- Sun Software Support services online at
  http://www.sun.com/service/sunone/software

  This site has links to the Knowledge Base, Online Support Center, and Product Tracker, as well as to maintenance programs and support contact numbers.

- The telephone dispatch number associated with your maintenance contract

To assist you in resolving problems, 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

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Additional Sun Resources

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

- Sun Java System Documentation

  http://docs.sun.com/prod/java.sys

- Net Connect Documentation

  http://docs.sun.com/prod/collNC3dot1 collection en

- 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://training.sun.com

- Sun Java System Consulting and Professional Services

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

- Sun Java System Developer Information

http://developers.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