Sun Java™ System Directory Editor Release Notes

Version 1 2005Q1

Part Number 819-2192

These Release Notes contain important information available at the time of release of Sun Java™ System Directory Editor 1 2005Q1. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Directory Editor 1 2005Q1.

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/db/prod/sjs.diredit`. 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:

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

NOTE	Sun is not responsible for the availability of third-party Web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Sun will not be responsible or liable for any actual or alleged damage or loss caused by or in connection with the use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

Release Notes Revision History

Table 1   Revision History

Date	Description of Changes
March 18, 2005	1 2005Q1 product release
February 3, 2005	SP1 product release
November 22, 2004	Initial release of these release notes
October 26, 2004	Initial Beta release.

About Directory Editor 1 2005Q1

Directory Editor is a J2EE-based web application that enables you to quickly and easily manage your directory data.

Directory Editor:

- Provides an easy-to-use, directory editing tool that is appropriate for administrators and end-users

- Provides ability to create/edit users, groups, containers, and more

- Supports many concurrent users

- Supports large directory installations

- Supports extensive customizations, branding, and embedding

- Supports private data transmissions with the client browser and the directory

- Provides built-in authorization to limit visible menus to users' roles

This section includes:

What's New in this Release

This section contains the following information:

New Features

New features in Directory Editor 1 2005Q1 include:

- **Browse and Search with paged results**: The Browse and Search interfaces now use the directory Virtual List View (VLV) feature to provide paged results for enhanced browsing.

- **Roles based access control**: Roles are now based on capabilities to allow fine-grained control without the knowledge of specific application resources and pages.

Performance Enhancements

The performance enhancements in Directory Editor 1 2005Q1 include:

- **Connection pooling**: Directory Editor supports a dynamic connection pool to reuse existing connections.

- **Failover**: Directory Editor supports failover for multiple hosts and ports, for both the configuration and managed directories.

Documentation Changes

The following significant changes were made to the *Sun Java™ System Directory Editor Installation and Configuration Guide* for the Directory Editor 1 2005Q1 release:

- Revised and added instructions for installing Directory Editor on the following Sun Application Servers (Chapter 2):

  ○ Sun™ ONE Application Server 7

  ○ Sun Java™ System Application Server 8 Platform Edition

  ○ Sun Java™ System Application Server 8 Enterprise Edition

- Revised instructions for configuring the `server.policy` file. (Chapter 2)

- Revised instructions for configuring the Startup Properties and Managed Directory pages to accommodate minor user interface changes. (Chapter 2)

- Added instructions for changing logging properties for the Sun Application Servers. (Chapter 10)

- Added information about using the Directory Editor Debug pages (available if you are assigned the Debug capability). (Chapter 10)

- Revised the instructions for troubleshooting `java.security.AccessControlException`. (Chapter 10)

- Added instructions for disabling Virtual List View functionality. (Appendix C)

  Because Virtual List View does not work in all conditions, there may be times when you want to disable the VLV functionality. For example, if you split your databases into multiple `ldif` files instead of a single `ldif` file (which increases the speed of directory accesses).

- Added information about using operational attributes in Directory Editor. (Appendix D)

Supported Software Environments

This section lists the software and environments that are compatible with Directory Editor:

NOTE.   Because software product developers frequently ship new versions, updates, and fixes to their software, the information published here changes often. Review the product release notes for updates before proceeding with installation.

Operating Systems

Directory Editor is compatible with the following operating systems:

- Solaris 8 or later

- Microsoft Windows 2000 SP3 or later

- Microsoft Windows 2003

- AIX 4.3.3 and above

- Red Hat Linux

Application Servers

Directory Editor supports any application server that supports Servlet 2.2 or later and JRE 1.4 or later, but Directory Editor operates most efficiently with the following application servers:

- Sun ONE Application Server 7 or later

- Sun Java™ System Application Server 8 Platform Edition or later

- Sun Java™ System Application Server 8 Enterprise Edition or later

- Apache Tomcat 5.0.*x* or later

- BEA WebLogic 8.12 or later

- IBM WebSphere 4 or later

Browsers

Directory Editor is compatible with the following browsers:

- Firefox 1.0
- Netscape 7.0 and later
- Mozilla 1.4 and later
- Microsoft Internet Explorer (IE) 5.5 and later

Directory Servers

You must use Directory Editor with Sun Java™ System Directory Server version 5.0 or later, which provides enhanced functionality and optimal performance.

Bugs Fixed in this Release

The following table describes the bugs fixed in Directory Editor 1 2005Q1:

Table 2   Bugs Fixed in Directory Editor 1 2005Q1

Bug Number	Description
8385	Exceptions generated from searches are not always reported in GUI
8473	Single-valued form fields should automatically upgrade to multi-valued fields
8756	DocNeeded: Connector should allow connection pooling.
8848	Error page results from trying to edit a group from the Search Results page
8855	Home Tab no longer available
8899	Documentation for server.policy changes needs to be refined
8908	Cannot log to file on Windows
8926	Need ability to define port number with host on Managed and Startup server pages
8944	Cannot browse a entry with an "_" in the DN
8946	Resize text on header display for user-friendly display of long DNs
8947	Cannot manage groups in user when anonymous access to directory is disabled.
8950	Does not support password policy "user must change password after reset"

Table 2   Bugs Fixed in Directory Editor 1 2005Q1

Bug Number	Description
8951	"Password is expiring" warning is not shown anymore
8981	Forms do not show operational attributes
9003	Connector tries to form DNs from DNs when authenticating
9017	Directory Editor does not follow LDAP referrals
9039	Directory Editor fails to recognize Java Enterprise System Directory Server
9189	Form editor does not load/save non-field objects
9206	Change "New Form" so it does not require a structural object class
9231	Anonymous access should never be used in any form for any search
9233	Separate capability for Create

Important Information

This section contains the important information that is not contained in the Directory Editor product documentation. This section includes the following topics:

- "Compatibility Issues" on page 7
- "Running the Software in Your Environment" on page 8
- "Documentation" on page 8
- "Reinstalling or Upgrading Directory Editor" on page 8

Compatibility Issues

You must install Java Runtime Environment (JRE) version 1.4 or later, or problems may occur with your Directory Editor installation.

Directory Editor requires access to some privileged operations that the application server may not allow by default. You must edit the server.policy file for your application server and grant access to certain actions.

For detailed instructions, see Chapter 2 in the *Sun Java™ System Directory Editor 1 2005Q1 Installation and Configuration Guide.*

Running the Software in Your Environment

It is strongly recommended that you back-up existing directory data before installing Directory Editor. Follow your normal back-up procedures or use the procedures listed in the following document:

`http://developers.sun.com/prodtech/dirserver/reference/techart/bestpractices.html#12`

Documentation

The *Sun Java™ System Directory Editor* product documentation is provided in the downloaded archive and on the web at `http://docs.sun.com/db/prod/sjs.diredit`. These publications provide information about common installation, configuration, and customization scenarios.

Reinstalling or Upgrading Directory Editor

Before *upgrading* or *reinstalling* Directory Editor, you must uninstall the older product version first or the installer will not provide the `de.war` file needed to complete the installation process.

1. If necessary, save your configuration.

2. Run the Directory Editor uninstaller.

3. Install (or reinstall) Directory Editor.

NOTE	For more detailed instructions, see the *Sun Java™ System Directory Editor 1 2005Q1 Installation and Configuration Guide*. In addition, be sure to read the "Before You Install" chapter provided in the *Sun Java™ System Directory Editor Installation and Configuration Guide*.
	Do not uninstall Directory Editor manually unless the Directory Editor uninstaller is not operational.

Known Issues and Limitations

This section contains a list of the known issues with Directory Editor 1 2005Q1:

Table 3 Known issues with Directory Editor 1 2005Q1

Defect ID	Description
No ID	Because Virtual List View does not work in all conditions, there may be times when you want to disable the VLV functionality. For example, if you split your databases into multiple `ldif` files instead of a single `ldif` file (which increases the speed of directory accesses).
9392	Memory leak/insufficient garbage collection can lead to out of memory error Under stress, Directory Editor may run out of memory on some application servers.
9181	Cannot change Directory Manager password from Directory Editor You cannot change the Directory Manager password from Directory Editor. *Workaround*: Use the directory console to change this special password.
9177	The order in which object classes are added is backwards Directory Editor reverses the order in which object classes are added for some objects. For `inetOrgPerson`; the correct order is `top`, `person`, `organizationalPerson`, `inetOrgPerson` but the object classes are added as `inetOrgPerson`, `organizationalPerson`, `person`, `top`.
9156	Need to clean up list of types for items in forms to only include those types that are supported.
9035	`XmlObjectFactory` exceptions always printed to `STDOUT` on server start-up At start-up, messages that start with `XmlObjectFactory: Warning, unable to register class` are printed. These messages are generated by an internal library for unused features and can be ignored.
9004	Eliminate special cases for cn=directory manager If you change the cn of the "directory manager" user, that user can no longer manage Directory Editor. To manage Directory Editor, log in as a user in the Manager group.
8993	Support for Sun ONE Web Server 6.1 SP3 The Sun ONE Web Server 6.1 SP3 is not supported as an application container. *Workaround*: To use Directory Editor with Sun ONE Web Server 6.1 SP3, install Directory Editor on the Sun Java™ System Application Server and use the Web Server as a front end.
8893	Users created with multiple naming attributes cannot edit their directory entry
8871	Misalignment of text boxes on Internet Explorer on the Group Edit page
8868	Application will not deploy with validation enabled in the Sun Java™ System Application Server version 8
8255	Escaped DNs' escape characters should not be visible in UI Currently, objects with characters that require escaping display with backslashes in the Edit Object page title. Special characters are single quotes, double quotes, and backslashes.

Table 3   Known issues with Directory Editor 1 2005Q1

Defect ID	Description
8214	Activate Enable and Disable buttons for User objects only
	Currently, the Enable and Disable buttons are active for all object types. These buttons should be disabled for non-user types.
8207	Cannot remove or show members in a group that has not been saved
8205	If you change the Manager group to an empty group, you cannot manage Directory Editor.
	Workaround: Add a member back to the Manager group to restore the functionality.
8185	Auto-populate CN on User Quick Create tab
	When you are creating a user on the Create Object page, Directory Editor does not calculate the cn until the page is refreshed.
8156	Some attributes are not accessible without Forms customization
	When you are editing an object, the only attributes that appear are those attributes that have fields defined in the form.
	Workaround: To display all attributes for an object, use the default form.
8073	Edit page DN occasionally displays incorrect DN when multiple naming attributes are used
	When an object's DN has multiple naming attributes, the Edit page sometimes shows an incorrect DN. For example, an entry with the DN `uid=jjones+employeeNumber=1234,ou=People,dc=sun,dc=com` might display in the Edit page as `employeeNumber=1234+uid=jjones,ou=People,dc=sun,dc=com`. This problem is just a display issue.
7916	Changing the configuration user causes problems
	If you change the identity of the configuration directory access user on the Startup Properties page, Directory Editor will not initialize and the following error message is displayed:
	`Failed to initialize configuration at '<`*naming context*`>`
	Workaround: Modify the ACI on the ou=Services, ou=DE entry to allow access for the new access user.
7826	Adding second value to multivalued naming attribute causes error
7493	Clicking too quickly between the Search page tabs can cause a "Form already has been submitted" message
No ID	Running a basic search takes longer to run.
	Workaround: Add three substring indexes to the directory server on the `uid`, `ou`, and `o` attributes. In addition, substring indexes are also required on cn, sn, and mail but a default directory server installation should include these indexes automatically.

Redistributable Files

Sun Java™ System Directory Editor does not contain any files that you can redistribute.

How to Report Problems and Provide Feedback

If you have problems with Sun Java™ System Directory Editor, 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 ProductTracker, as well as to maintenance programs and support contact numbers.

- The telephone dispatch number associated with your maintenance contract

So that we can best assist you in resolving problems, please have the following information available when you submit a problem report using the preceding website:

- 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 used to reproduce the problem

- Any error logs or Java stack traces produced from the error

Additional Sun Resources

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

- Documentation for Sun Java™ System Directory Editor 1
  `http://docs.sun.com/db/prod/sjs.diredit`

- Sun Java™ System Documentation
  `http://docs.sun.com/prod/sunone`

- 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://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`