

Sun Java™ System Directory Editor Release Notes

Version 1 2004Q4 SP1

Part Number 819-1702-10

These Release Notes contain important information available at the time of release of Sun Java™ System Directory Editor 1 2004Q4 SP1. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Directory Editor 12004Q4 SP1.

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:

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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 of Changes
February 3, 2005	SP1 product release
November 22, 2004	Initial release of these release notes
October 26, 2004	Initial Beta release.

About Directory Editor 12004Q4 SP1

Directory Editor is 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” on page 3
- “Supported Software Environments” on page 5
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- “Browsers” on page 6
- “Directory Servers” on page 6

What’s New in this Release

This section contains the following information:

- “New Features” on page 3
- “Performance Enhancements” on page 4
- “Documentation Changes” on page 4

New Features

New features in Directory Editor 1 2004Q4 SP1 include:

- You can now configure the Search page to specify
 - Favorite attributes, a favorite attribute type, and the order in which attributes are used
 - Maximum column width (number of characters), maximum number of results without Virtual List View (VLV), and maximum number of lines per page for the Results table
- A Delete Customized button is now available on the Forms page so you can delete a customized form and start over with a new customization.
- A Capabilities tab was added to the New Role page so you can specify a set of actions that can be performed by users who assume a new role.

Capabilities are rights to perform actions within Directory Editor. A capability aggregates a set of resources that are necessary to perform the associated action. In Directory Editor 1 2004, this function was referred to as an Accessible Resource.

- A Search for Principals button was added to the Managed Directory page so you can search the directory for principals. (The button displays on the page after the initial product configuration.)
- A Dynamic group tab was added to the Group Edit page so you can create optional dynamic groups and add, edit, or remove LDAP filters.
- You can now browse for base contexts and manager groups from the Managed Directory page.

- The Host field on the Startup Properties and Managed Directory pages is now multivalued field.

If you specify more than one host name, you must configure the directory servers on each host to replicate master-to-master so Directory Editor can load-balance and provide failover between the configured hosts.

- Error pages contain information about the problem (for example, exceptions embedded as comments on the page) so you can send error pages to your administrator for assistance.
- Roles and individual DNs are now supported as principals on the Authorization page, which enables you to add roles that consist of individual users or a group of users.
- If Directory Server does not have a schema entry for an object you want to create or edit, you can now create an object (or the form for an object) by adding the required object classes to the schema. Directory Editor will read the schema entries to build the form fields.
- A Restore Default Setting button was added to the Principals tab. Now, if you edit the Manger role's default principals, you can use this button to restore the original settings.

Performance Enhancements

The performance enhancements in Directory Editor 1 2004Q4 SP1 include:

- Improved scalability through connection pooling
- Improved reliability through failover

Documentation Changes

The following significant changes were made to the *Sun Java™ System Directory Editor Installation and Configuration Guide* for the Directory Editor 1 2004Q4 SP1 release:

- Added Appendix C: Improving Performance of Browse and Search Features to explain how to improve performance for Directory Editor's browse and search features.
- Added descriptions and instructions for using the new features listed in "New Features" on page 3.

In addition, the online help was refined for the Directory Editor 1 2004Q4 SP1 release.

Supported Software Environments

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

- “Operating Systems” on page 5
- “Application Servers” on page 5
- “Browsers” on page 6
- “Directory Servers” on page 6

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 or later
- Apache Tomcat 5.0.x or later
- BEA WebLogic 8.1 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 2004Q4 SP1:

Table 2 Fixed Bugs in Directory Editor 1 2004Q4 SP1

Bug Number	Description
<u>7709</u>	Improve presentation of Accessible Components under Authorization tab
<u>7863</u>	Connector should allow connection pooling
<u>7900</u>	Allow users to Browse for base context and manager group on Managed Directory page
<u>7960</u>	Need failover for configuration and managed directory
<u>8033</u>	Manager Group should be multi-valued and should not necessarily be a group at all
<u>8051</u>	Dynamic Group should be a tab on the group edit page
<u>8095</u>	Do not fetch ACIs from group search results page
<u>8117</u>	Multiselect buttons do not render in Opera 7.x
<u>8322</u>	Disable multi-valued Text component's Add/Remove widgets for R/O attributes
<u>8358</u>	Advanced search creates invalid filter when configured with single object class
<u>8368</u>	Verbose logging to stdout
<u>8436</u>	Logging in as Directory Manager causes exception when searching dynamic groups

Table 2 Fixed Bugs in Directory Editor 1 2004Q4 SP1<E Emphasis>(Continued)

Bug Number	Description
8700	Show group members list is not sorted
8727	Viewing group members is limited to 100 and results display "page 1 of -1"
8735	Directory Editor should remember where user was when they are forced to log back in
8736	Login URL goes to Home.do, and an error results if user does not have View Home capability
8748	Need to prevent currently logged-in user from renaming/disabling self
8785	Add delete button to Forms customization area
8792	Create should pre-populate the 'parent entry' field
8794	Saving after an edit should return user to Search page if they came from Search page
8812	Rename dml references to de

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

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. Edit the security policy file for your application server and grant access to certain actions, as follows:

1. Open the `server.policy` file.
2. Add the following lines to the end of the block granting access to “all remaining code”:

```
permission javax.security.auth.AuthPermission"getLoginConfiguration";
```

```
permission javax.security.auth.AuthPermission"setLoginConfiguration";  
  
permission javax.security.auth.AuthPermission  
"createLoginContext.SunDirectoryLogin";  
  
permission javax.security.auth.AuthPermission"modifyPrincipals";
```

3. Save the file.
4. Restart the application server

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 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 2004Q4 SP1:

Table 3 Known issues with Directory Editor 1 2004Q4 SP1

Defect ID	Summary
7493	Clicking too quickly between the Search page tabs can cause a "Form already has been submitted" message
7826	Adding second value to multivalued naming attribute causes error
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> <i>Workaround:</i> Modify the ACL on the ou=Services, ou=DE entry to allow access for the new access user.
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=jblow+employeeNumber=1234,ou=People,dc=sun,dc=com might display in the Edit page as employeeNumber=1234+uid=jblow,ou=People,dc=sun,dc=com. This problem is just a display issue.
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. <i>Workaround:</i> To display all attributes for an object, use the default form.
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.
8205	If you change Manager group to a group with no members, there is no way to change back If you change the Manager group to an empty group, you cannot manage Directory Editor. <i>Workaround:</i> Add a member back to the Manager group to restore the functionality.
8207	Cannot remove or show members in a group that has not been saved

Table 3 Known issues with Directory Editor 1 2004Q4 SP1

Defect ID	Summary
8214	<p>Activate Enable and Disable buttons for User objects only</p> <p>Currently, the Enable and Disable buttons are active for all object types. These buttons should be disabled for non-user types.</p>
8255	<p>Escaped DNs' escape characters should not be visible in UI</p> <p>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.</p>
8848	<p>Error page results when user tries to edit group from a search results page</p> <p>If you customized roles using Configure > Authorization, you must manually upgrade the roles.</p> <p><i>Workaround:</i> To manually upgrade the roles:</p> <ol style="list-style-type: none">1. Select Configure -> Authorization.2. Enable the checkbox next to the first role and then click the Edit Selected Role button.3. Click Save.4. Repeat for each role on the Authorization page.
8868	<p>Application will not deploy with validation enabled in the Sun Java™ System Application Server version 8</p>
8871	<p>Misalignment of text boxes on Internet Explorer on the Group Edit page</p>
8893	<p>Users created with multiple naming attributes cannot edit their directory entry</p>
No bug ID	<p>Running a basic search takes longer to run.</p> <p><i>Workaround:</i> 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.</p>

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://www.sun.com/software>

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