



Java Desktop System Release 3 on Linux Release Notes

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Part No: 819-0915-10
August, 2005

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Preface

These release notes provide release information about the Sun Java™ Desktop System Release 3 on Linux.

Who Should Read These Release Notes

These release notes are for users who perform the following tasks with the Java Desktop System Release 3 on Linux:

- Install the Java Desktop System.
- Administer the Java Desktop System.
- Set up the Java Desktop System in various locales.

Related Documentation

The following documents are related to these release notes:

- *Java Desktop System Release 3 Accessibility Guide*
- *Java Desktop System Release 3 Accessibility Release Notes*
- *Java Desktop System Release 3 Administration Guide*
- *Java Desktop System Release 3 Installation Guide*
- *Java Desktop System Release 3 Troubleshooting Guide*
- *Java Desktop System Release 3 User Guide*
- *Java System Update Service User Guide*

Associated Documentation

The following guides are associated with these release notes:

- *Java Desktop System Email and Calendar User Guide*
- *StarOffice 8 Administration Guide*
- *StarOffice 8 Getting Started Guide*
- *StarOffice 8 Programming Guide for BASIC*

Documentation CD

The accompanying Java Desktop System Release 3 Documentation CD contains files or links for those manuals directly-related, or closely associated with, the Java Desktop System Release 3 on Linux.

Accessing Sun Documentation Online

The docs.sun.comSM Web site enables you to access Sun technical documentation online. You can browse the docs.sun.com archive or search for a specific book title or subject. The URL is <http://docs.sun.com>.

Ordering Sun Documentation

Sun Microsystems offers select product documentation in print. For a list of documents and how to order them, see "Buy printed documentation" at <http://docs.sun.com>.

Typographic Conventions

The following table describes the typographic changes that are used in this book.

TABLE P-1 Typographic Conventions

Typeface or Symbol	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your <code>.login</code> file. Use <code>ls -ato</code> to list all files. <code>machine_name%</code> you have mail.
AaBbCc123	What you type, contrasted with onscreen computer output	<code>machine_name%</code> su Password:
<i>AaBbCc123</i>	Command-line placeholder: replace with a real name or value	The command to remove a file is <code>rm filename</code> .
<i>AaBbCc123</i>	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. Do <i>not</i> save the file. (Emphasis sometimes appears in bold online.)

Shell Prompts in Command Examples

The following table shows the default system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P-2 Shell Prompts

Shell	Prompt
C shell prompt	<code>machine_name%</code>
C shell superuser prompt	<code>machine_name#</code>
Bourne shell and Korn shell prompt	<code>\$</code>

TABLE P-2 Shell Prompts (Continued)

Shell	Prompt
Bourne shell and Korn shell superuser prompt	#

Mouse Usage Conventions

The following table lists the conventions for mouse usage in documentation for the Java Desktop System.

Action	Definition
Click	Press and release the left mouse button, without moving the mouse.
Click-and-hold	Press and do not release the left mouse button.
Left-click	Same as <i>click</i> . Left-click clarifies the action when there might be confusion with <i>right-click</i> .
Middle-click	Press and release the middle mouse button, without moving the mouse.
Right-click	Press and release the right mouse button, without moving the mouse.
Double-click	Press and release the left mouse button twice in rapid succession without moving the mouse.
Drag	Click-and-hold a mouse button, then move an object. For example, you can drag a window or an icon. The left and middle mouse buttons can perform drag actions.
Drag-and-drop	Click-and-hold a mouse button, then move an object. For example, you can drag-and-drop a window or an icon. Release the mouse button to place the object in a new location.
Grab	Point to an item that you can move, and click-and-hold on the mouse button. For example, you can grab the titlebar of a window, then drag the window to a new location.

Java Desktop System Release 3 Release Notes

These release notes provide information about the Java Desktop System Release 3 on Linux.

1.1 Product Features

The Java Desktop System includes the following features:

Built from open source	The source code for almost all of the software included with the Java Desktop System is freely available.
Software development tools	Advanced tools to assist developers in creating Java-technology based applications are included.
Productivity applications	A complete office suite is included that provides a word processor, spreadsheet, presentation tool, drawing tool, and database design tool. Applications for instant messaging, web browsing, and email and calendar management are also included.

1.2 What's New in This Release

This release of the Java Desktop System on Linux combines innovations from the open source software community and from Sun Microsystems to create a comprehensive, integrated, and interoperable desktop environment. The following table describes improvements and enhancements in this release of the Java Desktop System.

Function	Description
Mobility	<ul style="list-style-type: none"> ■ Improved wireless support.
Interoperability	<ul style="list-style-type: none"> ■ An Exchange connector allows the Email and Calendar application to interoperate with a Microsoft Exchange network. ■ Browser features improve compatability with non-standard browsers such as Internet Explorer. ■ Samba 3.0 provides better interoperability with Microsoft Windows file shares.
New Accessibility Applications	<ul style="list-style-type: none"> ■ Screen Reader and Magnifier. ■ On-Screen Keyboard. <p>See the <i>Java Desktop System Release 3 Accessibility Guide</i> and the <i>Java Desktop System Release 3 Accessibility Release Notes</i> for more details.</p>
Internationalization	<ul style="list-style-type: none"> ■ Simplified Chinese SunPinYin input method. ■ New File System Examiner to help users migrate from legacy environments to UTF-8 character encoding. ■ Latest ATOK for Linux Japanese input method. ■ Chinese Language Engine overhauled to align better with Chinese Linux Standard.
Office Productivity	<ul style="list-style-type: none"> ■ StarOffice 8
Enhanced Developer Tools	<ul style="list-style-type: none"> ■ StarOffice 8 includes a Software Developer Kit. ■ NetBeans 4.0
General Improvements	<ul style="list-style-type: none"> ■ All of the major components of the Java Desktop System, GNOME, Email and Calendar, Mozilla, and Gaim have been updated. ■ The Firefox 1.0.x browser is now provided as an alternative to Mozilla 1.7. To run Firefox, click Launch, then choose Run Applications → and enter <code>firefox</code> in the Run Application dialog. Mozilla 1.7 remains the default browser. You can set Firefox to be your default browser by following the instructions in the section “Choosing Your Preferred Applications” in Chapter 7 of the <i>Java Desktop System Release 3 User Guide</i>.

1.3 Known Issues

The following table describes known issues in this release of the Java Desktop System for which there are no workarounds at the time of product release.

Topic	Known Issue
Applications	<p>Change Request Number: 6210275</p> <ul style="list-style-type: none">RealPlayer 10 launches the Firefox browser instead of the Mozilla browser. <p>Change Request Number: 6228773</p> <ul style="list-style-type: none">The <author> tag set that includes <firstname> and <surname> is used incorrectly in the front matter of the Help manuals. <p>Change Request Number: 6233643</p> <ul style="list-style-type: none">Problems using the View as Catalog and View as Image Collection options in File Manager. File Manager might crash or you might encounter the following error messages:<ul style="list-style-type: none">The application 'nautilus' has quit unexpectedlyThe Catalog view encountered an error while starting upThe Image Collection view encountered an error while starting upRestart File Manager or click the Restart Application button from the crash dialog if these problems occur. <p>Change Request Number: 6236808</p> <ul style="list-style-type: none">Problems upgrading from Java Desktop System Release 2 to Java Desktop System Release 3. The <code>scrollkeeper-update</code> command generates a number of localization error messages for locales that are not installed on your system.
Panel Applications	<p>Change Request Number: 6245563</p> <ul style="list-style-type: none">Problems using Keyboard Indicator. Keyboard Indicator can make the keyboard unusable when you switch between X servers. <p>Change Request Number: 4937191</p> <ul style="list-style-type: none">CD Player cannot play an audio CD without an audio cable. If your system does not have an internal analog audio cable which connects the CD-ROM drive to the sound card, CD Player does not produce any sound. You can download a third-party application, Xmms, that might resolve this problem.

Topic	Known Issue
Localization	<ul style="list-style-type: none">■ You cannot print documents containing non-BMP Unicode characters from Mozilla. <p>Change Request Number: 6288629</p> <ul style="list-style-type: none">■ Mozilla keyboard shortcuts in the es_ES locale do not conform with accepted standards.

1.4 Enabling Virtual Terminals

To prevent a security risk, the default functionality in this release of the Java Desktop System is that you cannot switch to virtual terminals.

Virtual terminals enable you to switch between different sessions on the same system using Ctrl+Alt+Function Key. These sessions can be either text-based console sessions, or graphical GNOME sessions created using Launch →Applications →Utilities →New Login.

You can still create multiple GNOME sessions on the same computer using the **New Login** option. This is a secure operation as the screen lock is always invoked when you switch between GNOME sessions using the **New Login** option.

To enable virtual terminals, perform the following steps:

1. Log in as root.
2. Edit the following file `/etc/X11/XF86Config`.
3. Set the value of the `DontVTSwitch` in the `ServerFlags` section to `false`.
4. Reboot your system.

1.5 Upgrading from Earlier Releases

Java Desktop System Release 3 supports Install Update from the following previous releases:

- Java Desktop System Release 2003
- Java Desktop System Release 2

If you are upgrading from Java Desktop System Release 2003 or Release 2 to Java Desktop System Release 3, you must follow the instructions in the section “Update an Existing System” in Chapter 2 of the *Java Desktop System Release 3 Installation Guide*.

You must also reinstall any kernel modules that were installed on earlier releases after you upgrade to Java Desktop System Release 3.

1.6 Correction to *Java Desktop System Release 3 Installation Guide*

The instructions for creating a network install image for Java Desktop System Release 3 in the section "Installing From the Network", steps 1 to 15, are incorrect.

You must complete the following procedure to set up a network installation image.

1.6.1 Installing From the Network

You can perform a network installation of your Java Desktop System on Linux platforms. Ensure you have access to an NFS shared directory that has approximately 3GB of free space. The following sample procedure describes how to set up an installation image for the Java Desktop System on Linux installation via a Network File System (NFS):

1. Log in as the root user and copy the CDs into a special directory structure. Go to a directory of your choice and execute the following commands in steps 2 to 7:
2. `mkdir CD1`
Copy the contents of JDS CD1 into this directory.
3. `mkdir CD2`
Copy the contents of JDS CD2 into this directory.
4. `mkdir CD3`
Copy the contents of JDS CD3 into this directory.
5. `mkdir CD4`
Copy the contents of JDS CD4 into this directory.
6. `mkdir CD4`
Copy the contents of JDS CD4 into this directory.
7. When you specify the location of the network installation image, use the path to the CD1 directory above. The installation procedure will automatically locate the remaining CD images if they are located under the same parent directory.

1.7 Where To Find Documentation

You can view PDF and HTML versions of the documentation for the Java Desktop System in the following locations:

- On the accompanying Documentation CD.
- On <http://docs.sun.com>.

1.7.1 Accessing Localized Versions of User Documentation

Some localized versions of the Java Desktop System user documentation do not display in the Help browser.

Perform the following steps to view the localized versions of the user documentation on <http://docs.sun.com>:

1. Open the following page:
<http://docs.sun.com>
2. Select the language that you require from the language selection buttons.
The language selection buttons are located next to the **Search/browse within** area of the page.
3. Enter the name of the manual that you want in the **Search** field.
4. Choose the manual that you want from the list displayed.

1.7.2 Documentation for Sample Applications

This release of the Java Desktop System includes sample applications that have Help manuals provided by the GNOME free software community. Sun Microsystems does not take any responsibility for the completeness or accuracy of Help manuals provided by the free software community.

Sun provides approximately 130 man pages related to applications and functionality. If Sun Microsystems, or an agent of Sun Microsystems, is not specifically credited as the author of a man page, Sun Microsystems takes no responsibility for the content or accuracy of the document.

Sun Microsystems does not provide localized versions of documentation for sample applications.

1.7.3 Information About Removable Media

For information about removable media, refer to the *Java Desktop System Release 3 User Guide* on <http://docs.sun.com>.

1.8 Sample Applications for Evaluation

Sun Microsystems provides a variety of sample applications with the Java Desktop System for you to review and evaluate. The sample applications are from the GNOME free software community or from third-party suppliers. Sun Microsystems does not provide any of the following services for sample applications:

- Accessibility features
- Bug fixes
- Documentation or Help
- Localization
- Technical support

1.8.1 Sample Applications

The following table lists the applications from the GNOME free software community or from third-party suppliers that Sun Microsystems provides as sample applications.

Application	Description
Diagram Editor	Diagram editor that enables you to create flow charts, maps, UML diagrams, and many other diagrams.
Dictionary	Online dictionary that enables you to look up definitions and correct spellings of words.
Digital Camera Browser	Digital camera browser that enables you to manage images.
Disk Analyzer	Disk analyzer that enables you to visualize your disk.
Firefox	Web browser
Image Editor	GNU Image Manipulation Program that enables you to edit images.
Image Organizer	Image viewer and browser that displays thumbnails of images on your desktop.

Application	Description
Interface Editor	Programming application that enables you to create user interfaces for GNOME applications.
Movie Player	Multimedia player that enables you to play motion pictures.
On-screen Keyboard	Provides an on-screen keyboard that you can use as an input device for the Java Desktop System.
Project Manager	Project management and scheduling tool.
Screen Reader and Magnifier	Provides screen magnification and several other accessibility features.
Source Editor	General purpose extensible editor for programmers.
Sun Java System Instant Messenger	A demonstration of an Instant Messenger application that enables real-time collaboration.
Video Conferencing	Video conferencing and telephony application which allows you to make audio and video calls.
Weather Report	Displays current weather conditions for different regions.

1.8.2 Third-Party Applications

The following table describes third-party products in this release of the Java Desktop System. Sun Microsystems does not take any responsibility for the functionality, features, or any other form of support for these applications.

Third Party Products	Description
Adobe Acrobat Reader	Enables you to view PDF documents. You can find information about this application at the following location: http://www.adobe.com .
Macromedia Flash Player	Enables you to play back interactive multimedia on the Web. You can find information about this application at the following location: http://www.macromedia.com .
RealNetworks RealPlayer	Enables you to play back media files in a variety of popular formats. You can find more information about this application at the following location: http://www.real.com .
Printer PPD/drivers	Recent printer PPD files and drivers which are provided by Canon, EPSON, OKI data, Ricoh, and Xerox. You can find information about Canon's printers at the following location: <code>/usr/share/doc/packages/cndrv cups-guide</code>

Third Party Products	Description
EPSON Image Scan! for Linux	Front-end utility for EPSON scanners. You can find information on the <code>iscan</code> manpage and at the following location: http://www.avasys.jp/english/linux_e/

1.8.3 Sample Games

Sun Microsystems provides the following sample games for evaluation only:

- Ataxx
- Blackjack
- Four-in-a-row
- Iagno
- Klotski
- Lines
- Mahjongg
- Mines
- Nibbles
- Robots
- Same GNOME
- Spider
- Stones
- Tali
- Tetravex

1.9 Plugins for Mozilla 1.7

Java Plugin is enabled in Mozilla 1.7 by default.

The following third-party plugins are also available for Mozilla 1.7:

- Adobe Acrobat Reader
- Macromedia Flash Player
- RealPlayer

For more installation information about Mozilla plugins, see the following location:
<http://plugindoc.mozdev.org/linux.html>

1.10 Localization Support

The supported languages for this release of the Java Desktop System are as follows:

TABLE 1-1 Languages and Locales

Languages	Locales
Chinese - Hong Kong	Chinese - Hong Kong
Chinese - simplified (gb18030)	zh_CN.gb18030
Chinese - simplified (UTF-8)	zh_CN.UTF-8
Chinese - traditional	zh_TW.UTF-8
English - American	en_US.UTF-8
English - Australian	en_AU.UTF-8
English - British	en_GB.UTF-8
English - Canadian	en_CA.UTF-8
English - Ireland	en_IE.UTF-8
French	fr_FR.UTF-8
German	de_DE.UTF-8
Italian	it_IT.UTF-8
Japanese	ja_JP.UTF-8
Korean	ko_KR.UTF-8
Portuguese *	pt_PT.UTF-8
Portuguese — Brazilian *	pt_BR.UTF-8
Spanish	es_ES.UTF-8
Spanish — Mexico	es_MX.UTF-8
Swedish	sv_SE.UTF-8
Swedish — Finland	sv_FI.UTF-8

* Only the user interface is localized

Note – This release of the Java Desktop System includes some localizations in other languages. These localizations are taken from the GNOME community and Sun Microsystems does not take any responsibility for the completeness or accuracy of these localizations.

Only the locales shown in this table are supported as login locale. If you want to add unsupported legacy locales such as zh_TW.big5 on your login screen, remove the comment tags surrounding the entries for the locales in `/etc/X11/gdm/locale.alias` and reboot your system.

See the "Migration To Unicode Multilingual Computing" chapter in *Java Desktop System Release 3 Administration Guide* for more information about the UTF-8 locale environment.

1.11 Customer Support

See the following web location for customer support information:
<http://www.sun.com/software/javadesktopsystem>

