



Java Desktop System 2003 Installation Guide

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Contents

Preface	5
1 Installation Procedure for the Java Desktop System 2003	7
Before You Begin	7
System Requirements	7
Dual Booting	8
Installing the Java Desktop System From CD	9
Recommended Guidelines for Partitioning	13
Resizing Your Partition	14
Creating a Custom Partitions Table	14

Preface

This guide describes how to install the Java™ Desktop System 2003 on a PC from compact discs (CDs). This guide does not cover other methods of installation, such as network installation or installing separately from a SLEC operating system.

Related Documentation

The following manuals are related to this guide:

- *Java Desktop System 2003 Quick Start User Guide*
- *Java Desktop System 2003 Release Notes*

Associated Documentation

The following documents are associated with this guide:

- *GNOME 2.2 Desktop Accessibility Guide*
- *GNOME 2.2 Desktop on Linux System Administration Guide*
- *GNOME 2.2 Desktop on Linux User Guide*
- *StarOffice 7 Office Suite Setup Guide*
- *StarOffice 7 Office Suite User's Guide*
- *Ximian Evolution 1.4 Sun Microsystems Edition User Guide*

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Typographic Conventions

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

TABLE P-1 Typographic Conventions

Typeface or Symbol	Meaning	Example
AaBbCc123	The names of commands, files, and directories; on-screen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. <code>machine_name% you have mail.</code>
AaBbCc123	What you type, contrasted with on-screen computer output	<code>machine_name% su</code> Password:
<i>AaBbCc123</i>	Command-line placeholder: replace with a real name or value	To delete a file, type rm <i>filename</i> .
<i>AaBbCc123</i>	Book titles, new words, or terms, or words to be emphasized.	Read Chapter 6 in <i>User's Guide</i> . These are called <i>class</i> options. You must be <i>root</i> to do this.

Installation Procedure for the Java Desktop System 2003

This chapter describes the installation procedure for installing the Java Desktop System 2003 and contains the following information:

- “Before You Begin” on page 7
- “Installing the Java Desktop System From CD” on page 9
- “Recommended Guidelines for Partitioning” on page 13
- “Creating a Custom Partitions Table” on page 14

Before You Begin

This section provides information about what you need to do before you can install the Java Desktop System.

System Requirements

To complete the installation you require the following:

- A personal computer (PC) meeting the following minimum specifications:

TABLE 1-1 System Requirements for the Java Desktop System

	Recommended	Minimum
Processor	Pentium III, compatible PC 600 MHz	Pentium II, compatible PC 266 MHz
Hard Disk	6 GB	4 GB
RAM	256 MB	128 MB

TABLE 1-1 System Requirements for the Java Desktop System (Continued)

	Recommended	Minimum
Display Resolution	1024 x 768	800 x 600

The PC must be capable of booting directly from the installation CD. The process of booting from the CD varies between systems. Consult the documentation provided with your PC if you have any difficulty.

You need to provide the following information for your PC:

- Username
- Network configuration information
- Disk partition information
- ISP configuration information

You should allow at least 30 minutes for the installation.

Dual Booting

You can create a dual boot on your PC during the installation of the Java Desktop System.

Most factory-installed Windows installations take up all the space on your hard disk, leaving no space for installing Linux. Therefore, the Java Desktop System installation configurator creates a partition where you can install the Linux operating system.

Every operating system has a specific type of file system, and other operating systems often cannot read from these file systems. The Java Desktop System installation configurator can read the FAT32 file system that is used by Windows.

Since Linux needs to have specific partitions of its own and Windows does not have the ability to resize partitions, the installation configurator checks your hard disk and proposes an appropriate partition setup.

The configurator presents you with options to accept the proposed partition setup or else to resize your partitions based on the proposal before you continue with the installation.

Note – You can also create a specific custom partition in the event that your existing Windows supports an NTFS file system. The Java Desktop System installation configurator does not allow you to resize your partition in this case and proposes to replace your existing partition. However, you can use third-party partition applications to resize your partitions if you want to retain your Windows partition.

If you intend to create a dual boot system, consider the following:

- Back up any files that you want to keep on to a CD.
- Determine if your Windows installation uses a FAT 32 file system.

Installing the Java Desktop System From CD

This section describes how to install the Java Desktop System using the CDs included with your Java Desktop System installation package.

Perform the following steps:

1. Insert CD 1 into the CD drive.

The system starts to boot and presents you with the following list of options:

- **Boot from hard disk**
 - **Installation**
 - **Installation — ACPI Disabled**
 - **Installation — Safe Settings**
 - **Manual Installation**
 - **Rescue System**
 - **Memory Test**
2. To perform a new installation, use the arrow keys to highlight the **Installation** option, then press Enter.
 3. The Sun Desktop Configurator presents a **Binary Code License Agreement** dialog. Click on Accept to continue with the installation. You cannot continue with the installation if you do not click on Accept.
 4. From the **Language Selection** dialog select a language, then click on Accept.
 5. The installation configurator analyzes your existing system. If your system does not have an existing Linux system installed, the configurator presents you with installation settings of your hardware, as shown in the example in Step 8.

However, if the configurator detects that you do have an existing Linux system installed, you are presented with the following options:

- **New installation**
Select this option if there is no existing Linux system on your machine or if you want to replace an existing Linux system completely.
- **Update an existing system**
Select this option if you want to upgrade a Linux system already installed on your machine. This option preserves configuration settings from your existing system whenever possible.

- **Boot installed system**

Select this option if you have a Linux system on your hard disk that you cannot reboot. You can use this option to try to fix the reboot problem manually.

- **Abort Installation**

Select this option if you want to abort the installation.

6. Select **New installation** and click on OK.

7. The configurator presents you with the following **Software Options**:

Default system with StarSuite - for Japan, China, Korea and Taiwan only

Default system with StarOffice - for all other countries

Select the appropriate option and click Accept.

8. Next, you are presented with the Installation settings for your system.

For example:

- Mode — New Installation

- Keyboard Layout — English US

- Mouse — PS/2 Mouse (Aux-port)

- Partitioning — Format partition /dev/hda6 9.3 GB with reiser and Format partition /dev/hda5 196 MB for swap

If you click **Partitioning** to modify the default settings, the configurator checks your hard disk and presents you with the following options:

- **Accept proposal as-is**

- **Base partition setup on this proposal**

- **Create custom partition setup**

Select **Accept Proposal as is** and click Next.

Note – Partitioning is an essential part of the installation. Please see “Recommended Guidelines for Partitioning” on page 13 for more information.

- Software

- **Default system with StarOffice - for all other countries**

- **GNOME system**

- **StarOffice**

- **Help and Support Documentation**

- **Graphical Base System**

If you click **Software**, the configurator presents you with the following software options:

Default system with StarSuite - for Japan, China, Korea and Taiwan only

Default system with StarOffice - for all other countries

Select the appropriate option and click Accept.

- Booting — Booting from 1.IDE 9 54 GB, dev/hda Booting from 1.IDE 9 54 GB, dev/hda

If you click **Booting**, the configurator displays the following boot options:

- **Write GRUB to the boot disk (MBR on /dev/hda)**
- **Create a boot floppy**
- **Do not use GRUB (a different boot manager is required)**
- **Write GRUB to a different partition: /dev/hda**

Select the appropriate option and click Accept.

Alternatively, accept the booting option proposed by the configurator.

- Time Zone — Europe – Dublin
- Language — English US

Note – You have the following courses of action at this stage in the installation procedure:

- Click Accept to continue with the installation.
 - Click Change to modify the installation settings before proceeding with the installation.
 - Click Abort Installation to abort the installation procedure.
-

9. Click Accept to continue with the installation.

The configurator displays a message informing you that the installation will be performed according to the settings made in the previous dialogs.

10. Click Yes, install to commit the installation and all the choices made so far.

A message is displayed informing you that the configurator is preparing your hard disk. When the installation begins, a screen is displayed with three window panes as follows:

- **Current Package**
Displays the name, description and size of the installation package and a status bar showing percentage completion of the installation.
- **Installation**
Displays the status of the percentage download completed from the CD and the estimated time remaining to complete the download.
- **Installation Log (Extract)**
Displays a log of activity for all the packages currently being installed on your system.

When the download of the packages from CD 1 is complete, the configurator displays a screen informing you that the basic installation is finished and the system continues to reboot.

After the system reboot is completed, a dialog requests you to insert CD 2.

11. Insert CD 2 and click OK.

When the packages from CD 2 are installed, a dialog requests you to insert CD 3.

12. Insert CD 3 and click OK.

When all the packages from CD 3 are successfully installed, the configurator prompts you to enter a password for `root`, the system administrator.

Note – Make a note of the root password for future references.

13. Enter a password for the root user.

14. Reenter the password for verification and click Next.

You are then prompted to add a new user. This option is optional in a network environment.

15. Enter the **First name**, **Last name**, **User login**, and **Password** for the user you want to add and click Next. A new user account is created with the details you enter.

The configurator starts to initialize the Desktop settings as follows:

- **Text mode only — no graphical desktop**
- **Graphical desktop environment**

16. Select the **Graphical desktop environment** and click Accept.

For a standalone non-networked installation, the configurator tries to detect local printers only.

17. Click Yes if you have a local printer attached to your system. Otherwise, click Skip detection.

The configurator writes the system configuration and displays the Installation Settings for the following hardware devices:

- **Network interfaces**
- **Printers**
- **Modems**
- **ISDN adapters**
- **Sound**

18. To change any of the **Installation Settings**, click Change. Click Next to accept the settings.

A message is displayed that the configuration is saved successfully and the system automatically reboots.

19. Eject CD 3.

20. At the login screen, log in with the username and password that you set up for the new user.

You are now ready to use the Java Desktop System.

The following desktop objects are displayed:

- This Computer
- Documents
- Network Places
- Trash
- Learn About The Java™ Desktop System
- Bottom Edge Panel

Refer to the *Java Desktop System 2003 Quick Start User Guide* for help to get you started using the Java Desktop System.

Recommended Guidelines for Partitioning

The following table contains the recommended guidelines for partitioning your disk:

TABLE 1-2 Guidelines for Partitioning

Partition	Size	Type	Notes
/	5 GB, 3 GB minimum	Primary	Install the entire Java Desktop System operating system onto a single partition. This provides sufficient space for you to install a later releases of the Java Desktop System without the need to repartition the disk.
swap	Double the size of RAM 128 MB minimum	Extended	You can increase or reduce the size of the swap partition as necessary.

Resizing Your Partition

The Java Desktop System Configurator presents options to either accept the proposed partition setup or else to resize your partitions based on the proposed settings before you continue with the installation.

The following procedure outlines how to resize partition:

1. From the **Installation Settings** dialog, select **Partitioning**, select **Base partition setup on this proposal** option, then click Next.
2. Highlight the partition that you want to resize and click Resize.
3. Use the slider to set how much space you want to allocate to your Windows partition and your Linux partition and click OK.

Note – The minimum allocation of space for Linux is 3024 MB.

4. Click Next to save the partition table and return to the **Installation Settings** screen.

Creating a Custom Partitions Table

If the partition table recommended by the configurator is unsuitable for the Java Desktop System installation requirements, you may need to create a custom partition table.

The following procedure outlines how to create a custom partitions table:

Note – This procedure overwrites your existing windows partition. Back up any files you want to keep.

1. From the **Installation Settings** dialog, select **Partitioning**, select **Create custom partition** option, then click Next.
2. Select **Custom partitioning, for experts** option, then click Next to launch the **Expert Partitioner** dialog.
3. Select the device that refers to the disk where you want to install the application, for example `/dev/hda`, then click Delete to erase all partitions on that disk.
4. Click Create to create a new partition and select the **Primary** option.

5. In the pop-up window, set the **Start Cylinder** to 0, set the **End Cylinder** to + 5 GB and set the **Mount Point** to / .
6. Click Create to create a new partition and select the **Extended** option.
The pop-up window must contain all the correct settings. For example, the **Start Cylinder** value must be one more than the **End Cylinder** of hda1 and the **End Cylinder** can be the same as the **End Cylinder** for /dev/hda.
Creating an extended partition that covers the remainder of the disk forces all other partitions to be created within that extended partition.
7. Click Create to create a new partition.
8. Select Swap from the pull-down menu beneath the **Format** option.
9. Specify the size of the swap partition using the + syntax in the **End** field. For example, if your system has 256 MB RAM, you would have 512 MB of swap memory, which is expressed as + 512 MB.
10. Click Create to create a new partition. A new partition to occupy the remainder of the disk is configured. Set the **Mount Point** to /usr.
11. Click Next to save the partition table and return to the **Installation Settings** screen.

