Java Desktop System Release 2 Installation Guide

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Preface

This guide describes how to install the Sun Java™ Desktop System Release 2 on a personal computer (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 Release 2 Quick Start User Guide*
- *Java Desktop System Release 2 Release Notes*
- *Java Desktop System Release 2 Troubleshooting Guide*
- *Java System Update Service User's Guide*

You can access these manuals on the accompanying *Sun Java Desktop System Release 2 Documentation CD*, and at http://docs.sun.com.

Associated Documentation

The following manuals 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*

You can access these manuals on the accompanying *Sun Java Desktop System Release 2 Documentation CD*, and at http://docs.sun.com.

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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 `.login` file. Use `ls -a` to list all files. `machine_name% you have mail.`
`AaBbCc123`	What you type, contrasted with on-screen computer output	`machine_name%` **`su`** `Password:`

TABLE P–1 Typographic Conventions *(Continued)*

Typeface or Symbol	Meaning	Example
AaBbCc123	Command-line placeholder: replace with a real name or value	To delete a file, type **`rm`** *filename*.
AaBbCc123	Book titles, new words, or terms, or words to be emphasized.	Read Chapter 6 in *User's Guide*. These are called *class* options. You must be *root* to do this.

CHAPTER 1

Before You Install the Java Desktop System

This chapter provides information about what you need to do before you can install the Sun Java Desktop System Release 2.

System Requirements

To complete the installation you require the following:

- A 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
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

Allow at least 45 minutes for the installation. If your system appears to hang during the installation procedure, do not interrupt the installation process.

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 (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 Configurator can read the FAT32 file system that is used by Windows.

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

Note – You can also create a specific custom partition in the event that your existing Windows supports an NTFS file system. The Configurator does not enable 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.

CHAPTER 2

Installing the Java Desktop System

This chapter describes the installation procedure for installing the Sun Java Desktop System Release 2.

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 displays 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 of the Java Desktop System, use the arrow keys to highlight the **Installation** option, then press Enter.
3. The Configurator presents a **Software Evaluation 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 Configurator analyzes your system. If Linux is not installed on your system, the Configurator displays the installation settings of your hardware, as shown in the example in Step 8.

   However, if the Configurator detects that Linux is installed on your system, you are presented with the following options:

   - **New installation**

     Select this option if Linux is not installed on your system or if you want to replace an installed version of Linux.

   - **Update an existing system**

     Select this option if you want to upgrade an installed version of Linux. This option preserves configuration settings from your existing system whenever possible.

   - **Boot installed system**

     Select this option if you have an installed version of Linux 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 OK.
7. The Configurator displays 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 on 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 on **Partitioning** to modify the default settings, the Configurator checks your hard disk and displays the following options:

     - **Accept proposal as-is**
     - **Base partition setup on this proposal**
     - **Create custom partition setup**

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

Note – If you want to create a dual boot system, partitioning is an essential part of the installation procedure. Please see "Recommended Guidelines for Partitioning" on page 16 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 on **Software**, the Configurator displays 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 on Accept.
- Booting — `Booting from 1.IDE 9 54 GB, dev/hda` Booting from 1.IDE 9 54 GB, dev/hda

  If you click on **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 on Accept to continue with the installation.
- Click on Change to modify the installation settings before you proceed with the installation.
- Click on Abort Installation to abort the installation.

9. Click on Accept to continue with the installation.
10. Click on Yes, install to commit the installation and all the choices made so far.

    A message informs you that the Configurator is preparing your hard disk. When the installation begins, a screen is displayed with the following panes:

    - **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 message informing you that the basic installation is finished and the system continues to reboot.

      After the system reboots , 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. You only need to log in as root for system administration purposes.

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13. Enter a password for the root user.
14. Reenter the password for verification and click on 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 on 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 on 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 on 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 on Change. Click on 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 can now use the Java Desktop System.

The following desktop objects are displayed:

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

Refer to the *Java Desktop System Release 2 Quick Start User Guide* for help to get you started using the Java Desktop System.

Updating an Existing System From CD

If the Configurator detects that Linux is installed on your system, you are presented with the following options:

- **New installation**
- **Update an existing system**
- **Boot installed system**
- **Abort Installation**

If you want to upgrade an installed version of Linux, perform the following steps:

1. Select **Update an existing system**

   This option preserves configuration settings from your existing system whenever possible.
2. Select **Create a backup** if you want to make a backup of your existing system.
3. Click Next.
4. Yor are prompted to choose the type of upgrade you require.
5. Follow the online instructions to complete the update of your existing system as described in "Installing the Java Desktop System From CD" on page 11.

Recommended Guidelines for Partitioning

The following table contains recommended guidelines for partitioning your disk:

TABLE 2–1 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 method 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	swap	You can increase or reduce the size of the swap partition as necessary.

Resizing Your Partition

The Configurator presents the following options when resizing your partition:

- **Accept proposal as-is**
- **Base partition setup on this proposal**
- **Create custom partition setup**

Perform the following steps to resize a partition:

1. From the **Installation Settings** dialog, select **Partitioning**, select **Base partition setup on this proposal** option, then click on Next.

2. Highlight the partition that you want to resize, then click on Resize.
3. Use the slider to set how much space you want to allocate to your Windows partition and your Linux partition, then click OK.

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

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

Creating a Custom Partition Table

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

Perform the following steps to create a custom partition table:

1. Back up any files you want to keep. This procedure overwrites your existing windows partition.
2. From the **Installation Settings** dialog, select **Partitioning**, select **Create custom partition** option, then click Next.
3. Select **Custom partitioning, for experts** option, then click Next to launch the **Expert Partitioner** dialog.
4. 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.
5. Click Create to create a new partition and select the **Primary** option.
6. In the pop-up window, set the **Start Cylinder** size to 0, set the **End Cylinder** size to + 5 GB and set the **Mount Point** to / .
7. 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** value of `hda1` and the **End Cylinder** value can be the same as the **End Cylinder** value 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.
8. Click Create to create a new partition.
9. Select `Swap` from the menu beneath the **Format** option.
10. 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.

11. 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`.
12. Click Next to save the partition table and return to the **Installation Settings** screen.

CHAPTER 3

After You Install the Java Desktop System

This chapter describes post installation procedures that you can perform after installing the Java Desktop System Release 2.

Checking for and Installing System Updates

The Java System Update Service (Java SUS) enables you to perform the following actions:

- Install software updates for your Java Desktop System.
- Choose which updates to install from a list of available updates.
- Specify which server to check for available updates.

To launch the Java SUS application, choose Launch → Applications → System Tools → Online Update.

Refer to the *Java System Update Service User's Guide* for more information. This guide is available on the accompanying *Sun Java Desktop System Release 2 Documentation CD*, and at http://docs.sun.com.

Changing the Hardware Clock

You can change the time for the hardware clock in the following ways:

- Enter the BIOS setup and change the time directly.
- Use the `/sbin/hwclock` utility, which is an unsupported application.

Customer Support

Sun Microsystems provides the following customer support services:

Location	Description
http://www.sun.com/service/contacting/solution.html	Technical Support Centers
http://www.sun.com/service/support/warranty/	Global Warranty Support
http://www.sun.com/service/support/software/desktop/index.html	Software Support Services