

SUN JAVA DESKTOP SYSTEM, RELEASE 2

*The Simple, Complete, Open, Secure, and Cost-Effective Alternative To
Proprietary Desktop Environments*



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WHAT'S NEW IN SUN JAVA DESKTOP SYSTEM RELEASE 2

Sun Microsystems is proud to announce the release of Sun Java Desktop System, Release 2. This release adds desktop administration tools to drive down the costs and complexity of desktop management at large enterprises.

Key Benefits

- Reduced complexity of managing distributed desktop environments.
- Policy-based desktop configuration management for fine-grained control of user settings, application visibility and access rights, enabling system lockdown.
- Centralized, rapid desktop setup and deployment.
- Package-management tools for dependency checking and distribution for both push and pull models.
- Grid-enablement to increase utilization and job scheduling of desktop systems by using a collection of interconnected computers as a unified computing resource.

Key New Features

Feature	Function	Benefit
Policy-based desktop configuration management	<ul style="list-style-type: none"> ▪ Java Desktop System Configuration Manager allows system administrators to define groups of users and to establish policies for access rights and settings. ▪ Fine-grained control of user access rights and privileges 	<ul style="list-style-type: none"> • Enables remote desktop lockdown to provide considerable savings in desktop administration and help desk calls
Centralized desktop deployment	<ul style="list-style-type: none"> ▪ Remote image deployment to manage a defined set of packages or system images for rapid setup and provisioning of desktops, including deployment on multiple systems simultaneously. 	<ul style="list-style-type: none"> ▪ Quick desktop provisioning and deployment ▪ Automate repetitive tasks, reduce manual errors ▪ Manage, store, and deploy group-defined gold images
Software management tools	<ul style="list-style-type: none"> ▪ Centralized package management enabling volume software push, patching, updating of multiple desktops. ▪ Software dependency checking and analysis to identify patch and package dependencies and deploy correct set of software. 	<ul style="list-style-type: none"> ▪ Quickly deploy software, patches from multiple sources to desktops. ▪ Increase availability of desktops and keep them current and secure. ▪ Increase system administrator productivity.

Feature	Function	Benefit
Inventory and monitoring	<ul style="list-style-type: none"> ▪ Inventory collection of desktop details, operating system, hardware profiles and more. ▪ Performance monitoring of deployed desktop environments. 	<ul style="list-style-type: none"> • System administrator can easily see current system and health.
Grid-enabled	<ul style="list-style-type: none"> ▪ Use a collection of interconnected computers as a unified computing resource. 	<ul style="list-style-type: none"> • More efficient usage of desktop resources and job scheduling.
Developer Tools	<ul style="list-style-type: none"> ▪ Java Studio Standard is a powerful yet intuitive Integrated Development Environment (IDE) for Java, providing a comprehensive set of features and functionality. ▪ NetBeans IDE 3.6 delivers tightly integrated deployment and debugging of web applications on Apache Tomcat 5 and the Sun Java System Application Server, Platform Edition 8. 	<ul style="list-style-type: none"> • Enables the development of applications ranging from desktop to standards-based, enterprise-class applications and web services. • Improves developer productivity through the optimization of the develop, execute, debug and deploy cycle.
Remote desktop takeover	<ul style="list-style-type: none"> ▪ Ability for administrator to view and interact with user's desktop display to help, guide, and troubleshoot. 	<ul style="list-style-type: none"> • More efficient help desk.

THE TOP 10 THINGS EVERY REVIEWER SHOULD KNOW ABOUT JAVA DESKTOP SYSTEM 2

1. Sun Java Desktop System 2 is a fully integrated desktop environment.

The desktop includes a modern, familiar desktop look and feel, StarOffice 7, robust e-mail/calendar client, Web browser, Java, instant messaging, RealPlayer, Adobe Acrobat Reader, Macromedia Flash Player, and more.

2. Sun Java Desktop System 2 is more secure than Windows.

Windows desktops are frequent targets of viruses and worms (such as recent Blaster attacks) creating serious productivity drains. Though not immune to viruses, Linux desktops are less frequent targets, due in part to a superior security architecture as well as Sun's added security features through JavaCard authentication and the Java sandbox security infrastructure.

3. Sun Java Desktop System 2 is far more cost-effective than Windows.

Java Desktop System 2 pricing is based on a very low cost-per-employee subscription. Compared to Microsoft Windows XP/Home and Microsoft Office Standard, the total cost of ownership (TCO) can be up to 60 percent less and at least 25 percent less than the total cost of operating a Microsoft Windows desktop system for 2,500 employees. Java Desktop System 2 can leverage existing

hardware and extend the existing life of hardware by three years simply through lower system requirements.

4. Sun Java Desktop System 2 is designed to thrive in your existing environment.

The Java Desktop System is designed to thrive in a Windows-centric world or any Unix environment. StarOffice can read and write Microsoft Office documents. You can mount Windows NT file systems and exchange files. You can use familiar desktop themes, menu bars, and other interface elements. Printers attached to Windows/UNIX servers can be accessed.

5. Sun Java Desktop System 2 tightly integrates Java with the desktop.

Unlike Windows, the Java Desktop System and the Mozilla browser are directly integrated with Java technology, making the “out-of-the-box” desktop ready to run thousands of Java technology-based applications and applets with a consistent look and feel. Java is also the preferred development environment for Java Desktop System.

6. Sun Java Desktop System 2 employs simplified subscription pricing.

Java Desktop System 2 includes software, maintenance updates and patches, feature upgrades, 60-day installation support, and additional these are add on, not included in subscription base price support offerings through Sun's global, world-class service and support.

7. Sun Java Desktop System 2 is designed to meet enterprise business requirements

Backed by Sun's services and support organization and its expertise in UNIX and enterprise systems, enterprises can count on the Java Desktop System to meet business productivity needs. Enterprise Support Service Add-ons including technical, help desk, and lifecycle management services are all available as add ons to Release 2.

Release 2 also includes system administration tools critical to centralized, rapid deployment of user desktops including application deployment, policy-based configuration for system lockdown, health and inventory monitoring, and system administration remote desktop takeover.

8. Sun Java Desktop System 2 is being embraced by leading partners

Partners recognize the Linux opportunity and choose to work with Sun Partners include China Standard Software Co., Ltd. (CSSC), SuSe, Adobe, Macromedia, RealNetworks, Computer Associates, Tadpole, Tarantella, SAP, CS&S, more.

9. Sun Java Desktop System 2 leverages strong Linux momentum on the desktop

- IDC projects 48 percent CAGR in Linux clients.
- 46 percent of Fortune 2000 CIOs are considering Linux desktops.
- 38 percent of Microsoft users are looking for desktop alternatives.

10. Sun Java Desktop System 2 is using open source and open standards to drive customer confidence.

Almost all Sun-provided code in Java Desktop System 2 is open source, meaning that any customer can obtain it at any time, review it, and – if desired – change it. No secrets. No proprietary APIs. No surprises. With tens of thousands of developers worldwide, it also helps to drive down the cost of software. Open standards promote interoperability, allowing customers to avoid the constraints and expense of vendor lock-in.

OBJECTIVES OF THIS GUIDE FOR EVALUATION AND REVIEW

Thank you for your interest in reviewing Sun Java Desktop System, Release 2. In the following pages, we hope to acquaint you with Java Desktop System 2 and its features and advantages. The purpose of this Guide is to furnish you with the background information you need to facilitate your evaluation and provide an understanding of the many key aspects of Java Desktop System, including:

- Market positioning
- Description of major features
- Key benefits

While this document covers this product in some detail, it is not intended to be a replacement for the product's technical documentation. Careful reading and use of the technical documentation is an integral part of the product evaluation experience and should be a major portion of your review process. This Guide assumes that you have some familiarity with the following:

- Personal productivity software tools such as word processing, spreadsheets, and presentation programs.
- Web browsing concepts, including cookies and bookmarks
- Personal information, contact, and scheduling software
- Electronic mail concepts
- Instant messaging
- Desktop interface concepts, including access menus, launchers, icons, utilities, and settings

Technical Documentation

The Sun Java Desktop System includes the following documentation:

- Java Desktop System Release 2 Quick Installation Guide
- Java Desktop System Release 2 Installation Guide
- Java Desktop System Release 2 Release Notes
- Java Desktop System Release 2 Quick Start User Guide
- Java Desktop System Release 2 Troubleshooting Guide
- Management Tools Getting Started Booklet.

In addition, the following manuals may be useful to reviewers:

- _ 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 Sun Java Desktop System Release 2 Documentation CD, and online at <http://docs.sun.com/db/coll/1107.1>.

Dedicated Support Resource for Sun Java Desktop System Reviewers

In an effort to simplify and streamline our responses to any support issues or inquiries that may arise during the course of your evaluation of Java Desktop System, Sun has designated the following people to provide dedicated responses to you.

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INSTALLATION OVERVIEW

Sun Java Desktop System ships in two different configurations: single-user and multi-user. The single-user package includes desktop-client software only. The multi-user version includes both client and server software.

The installation typically takes approximately 45 minutes. Even if your system appears to hang during installation, do not interrupt the installation process.

Before you begin your evaluation, ensure that your test system meets recommended system requirements. Your PC should be capable of booting directly from the installation CD. This booting-from-CD process varies between systems. If you experience any difficulty, consult your PC manufacturer's documentation.

Desktop System Requirements

Minimum Supported Configuration

- Pentium II-compatible PC 266MHz
- 4 GB hard disk
- 128 MB RAM
- 800 x 600 screen resolution
- CD-ROM drive

Minimum Recommended Configuration

- 600 MHz Intel Pentium III-compatible processor
- 4 GB hard disk
- 256 MB RAM
- 1024 x 768 screen resolution
- CD-ROM drive

System Requirements

Java Desktop System Configuration Manager

Client

- Netscape 4.7x, 6.2x, and 7.x
- Internet Explorer 5.x and 6.x
- Mozilla 1.2x or higher

NOTE: Java Desktop System Configuration Manager is a Sun Web Console application and as such system requirements are derived from those from Sun Web Console. The Sun Web Console supports multiple client and server operating systems as well as several browsers.

Server

- Solaris 8 or higher
- Red Hat 8 or higher, Red Hat Enterprise Linux 2.1
- SuSE Linux 2.1 or higher
- J2SE(tm) Version 1.4.1_03 or higher (If J2SE 1.4.1 or earlier is detected on your server, the setup program prompts you to upgrade the installation using the J2SE version from the Java Desktop System Management Tools CD)
- Tomcat: 4.0.3 or higher Tomcat is included on the Java Desktop System Management Tools CD
- Hardware: meets the minimum requirements of the above Operating Environments

For more Details: <http://docs.sun.com/db/doc/817-5478>

Sun Control Station

Client

- Mozilla 1.2x or higher
- Netscape 7.x
- Internet Explorer 6.x
- Java plug-in: 1.4.1_x

NOTE: Sun Control Station historically has run on top of a Red Hat Linux distribution and this is the main prerequisite for this version. Please be aware that Sun Control Station will be expanding platform compatibility in a future release to better align with the Java Desktop System Configuration Manager compatibility.

Server

- Red Hat Linux 7.3
- Red Hat Enterprise Linux 2.1 ES or AS (Update 1 and Update 2)
- Required Packages

NOTE: The following list of RPMs must be installed on the server before you install the Sun Control Station 2.1 software. The Installer program verifies that the following RPMs are present. If any one of these RPMs is not found, the Installer program exits.

- apache-1.3.x
- mysql-3.23.x
- mysql-server-3.23.x
- mysqlclient9-3.23.x
- openssh-3.1.x
- perl-5.6.x
- perl-XML-Parser-2.x
- perl-DBI-1.x
- perl-DBD-MySQL-1.x

NOTE: To use the AllStart module, you also need the following RPMs (this version or higher):

- anaconda-runtime-7.2-1
- dhcp-2.0pl5-8
- nfs-utils-0.3.3-3
- tftp-server-0.17-14

For more Details: <http://docs.sun.com/db/doc/817-3604-11>

Minimum hardware requirements for SCS
(Recommended Server Configuration)

- 1 GHz or higher x86 processor
- 1 GB of RAM
- two 80GB hard disk drives (HDDs), in a RAID-1 (mirroring) setup
- at least 250 MB of free disk space in the directory /usr
- at least 1 GB of free disk space in the directory /var

(Minimum Server Configuration)

- 600MHz x86 processor
- 512 MB of RAM
- one 40GB HDD
- at least 200 MB of free disk space in the directory /usr

- at least 250 MB of free disk space in the directory /var

NOTE: Be prepared to furnish the following information during the installation process:

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

Dual Booting

If your hard drive has unpartitioned free space available to it, then it is possible to create a dual-boot installation. However as with any dual-boot scenario the possibility exists that your original system will be affected. If attempting this please be certain to back up any data you may need from your existing system before proceeding.

Sun strongly recommends using a system that can be wiped clean for review rather than using a production system to avoid these issues.

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**

IMPORTANT -- The first thing to do is to hit F2 and select your screen resolution if the one shown is not right. The tricky part here is that you may be offered display options that won't work. But if you ignore setting the resolution now and you have a higher res display, you may not be able to get that higher setting later. The failure mode (if you select say 1280x1024 and your laptop only supports 1024x768 is that as soon as it reboots to start the installation it will be obvious that the chosen resolution will not work.

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 **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 Configurator analyzes your existing system. If your system does not have an existing Linux system installed, the Configurator displays the installation settings of your hardware, as shown in the example in Step 8.

However, if the Configurator detects an existing Linux system on your machine, 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 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 15 of the “Java Desktop System Release 2 Installation Guide” for more information.

- **Software**

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/had**

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/had**

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 reboots.

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.

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

INTRODUCING SUN JAVA DESKTOP SYSTEM

At A Glance

- First viable corporate desktop alternative in 15 years
- 1/5 to 1/7 total cost of acquisition (TCA) compared to Windows
- More secure – Linux not as vulnerable to worms/viruses through a more strict permissions system and not as visible of a target
- Based on standards and open-source software
- Works with Microsoft file formats and Apple and UNIX “networking protocols”
- Greater manageability/remote control

The Sun Java Desktop System Release 2 is the affordable, comprehensive, simple-to-use, and secure enterprise-class desktop solution. With Java Desktop System, Release 2, Sun introduces a more complete set of enterprise-ready user and system administration tools in a single, highly integrated offering. The desktop components – based on open-source and industry standards – include:

- **GNOME Desktop Environment** -- This modern desktop environment provides a colorful, intuitive user interface that enables users to easily locate documents, access menus, launch applications, and personalize their work environment. It comes with an extensive set of tools and utilities. The desktop offers a new unified, yet distinctive, Sun-branded look and feel.
- **Ximian Evolution Mail and Calendar** -- This personal information management (PIM) and collaboration client combines e-mail, calendaring, meeting scheduling, contact management, and task lists in one powerful, fast, and easy-to-use application. Workgroup information can also be synchronized and managed using the connector to the Sun Java System Calendar and Messaging Servers.
- **StarOffice 7** -- The acclaimed feature-rich, full-function office productivity suite offers advanced applications for word processing, spreadsheets, presentations, graphics, photo editing, Web publishing, and relational data management.
- **Mozilla Web browser** -- This powerful browser seamlessly integrates a wide variety of features for surfing the Web, communicating by e-mail with colleagues, participating in discussion groups, and creating dynamic Web pages.

The server-side system administration tools are developed by Sun in house and enable centralized deployment and administration of the user desktop environment. They include:

- **Sun Control Station** -- This software solution simplifies system administration through small-footprint agents that securely deploy new software and services, monitor health and performance, and apply software patches.

- **Java Desktop System Configuration Manager** -- This policy-based desktop configuration manager defines user settings and provides administrators with the ability to lock-down desktop systems.

Java Desktop System 2 features a well-defined and consistently integrated look and feel; familiar, easy-to-use desktop themes and file manager views; file, folder, and print interoperability with both Windows and Linux/UNIX environments; simplified management and configuration tools; and enhanced security with JavaCard authentication and single sign-on support through integration with the Sun Java System Identity Server. In addition, Sun is delivering the only end-to-end solution extending functionality across the network through Sun Java System Calendaring and Messaging connectors and the Java Development Platform.

Sun Java Desktop System, Release 2 is ideal for organizations seeking an alternative desktop system that lowers business costs, reduces the complexities of desktop management, limits vulnerability to viruses and worms, and is backed by a vendor/partner that has the software and support breadth to scale to your business needs. Unlike expensive Windows desktops and emerging Linux desktops, Sun Java Desktop System is a comprehensive, secure, highly affordable enterprise desktop solution that is simple to use and works with existing systems.

Java Desktop System offers both software and maintenance as well as the world-class technical support and training and professional services that enterprise expect and require. Delivering savings of at least 75 percent in software acquisition costs and 40 percent in total operating costs over three years compared to Windows-centric clients, Java Desktop System 2 is positioned as the new desktop for the new economy.

Standards and Specifications

Category	Standards and Specifications
Internet	J2SE, XML, DOM 1 and 2, DHTML, HTML, HTTP, CSS-1 and 2 (Cascading Style Sheets), RDF (Resource Description Framework), P3P (Platform for Privacy), MIME, S/MIME(Secure MIME) , vCard
Calendar	iCal, iTip, iMip
Networked File and Printing Access	SMB, IPP (Internet Printing Standard)
Multimedia	MPEG, JPEG, JMF (Java Media Framework), AVI, MIDI, MP3, and Ogg Vorbis

Category	Standards and Specifications
Architecture	CORBA (Common Object Request Broker Architecture), Xdnd, X11, TCP/IP, XSMP (X Session Management Protocol) ICCCM (Inter-client Communications Conventions Manual), EWMH (Extended Window Manager Hints), Desktop Entries Specification (Spec for .desktop files), XEmbed (Protocol used for widget embedding), XSETTINGS protocol (propagating settings to X apps), System Tray Protocol (For the Notification Area), Icon Theme Specification, Recent Files Specification, Thumbnail Managing Standard, Startup Notification Specification
File Sharing Protocols	WebDAV, FTP, NFS, SMB
Data Storage	XML, ODBC, SQL, Unicode
Messaging	Jabber, IRC, POP3, IMAP4, SMTP, NNTP, LDAP, Unix mbox, MH folders, Maildir, BSD Mailbox
Desktop Languages Supported	English, French, German, Italian, Swedish, Spanish, Simplified Chinese, Traditional Chinese, Korean, Japanese, Brazilian Portuguese (UI and StarOffice). Many additional languages are available but unsupported by Sun.
Server Languages Supported	English, German, French, Simplified Chinese, Traditional Chinese, Korean, Japanese.

The Key Overarching Benefits of Java Desktop System 2

The Java Desktop System is comprehensive desktop solution which works with your existing infrastructure. At a high level, Java Desktop System offers the following benefits:

- Designed to thrive in a Windows-centric world or any Unix environment, Java Desktop System is fully interoperable from office productivity, file systems, networked printers, to exchange and LDAP based identity, messaging and calendaring systems.
- JDS 2 pricing is based on a very low cost-per-employee subscription. Compared to Microsoft Windows XP/Home and Microsoft Office Standard, the total cost of ownership can be up to 60 percent less and at least 25 percent less than the total cost of operating a Microsoft Windows
- Includes the client desktop, system administration tools and developer tools in a single package.
- Advanced desktop management features enable administrators to lock-down functionality, applications or complete user environments providing more secure and productive computing environments (i.e. turning off macros, disabling downloads, etc.).
- Windows desktops are frequent targets of viruses and worms creating serious productivity drains. The Java Desktop is less susceptible to virus and worm attacks due in part to a superior security architecture and Sun's desktop management tools.

Simplicity, Completeness, and Openness

- New “it's in there” pricing model includes software, support services, and upgrades renewable annually.
- Fully integrated desktop environment with Java, e-mail/calendaring, personal productivity, Web browser, and Java Card Authentication.
- Broad choice of deployment options across desktop, mobile, and thin clients.
- Full support of open source components and standards (e.g. OpenOffice.org and XML).

Stronger Security

- Linux/UNIX strict security system prevents viruses and worms from modifying files without root access.
- User authentication through Java Card technology ensures that users get access to only their data and applications.
- Single sign-on support with the Java Enterprise System.
- Java sandbox security infrastructure prevents viruses from infecting the system environment.

Interoperability

- Support for existing file formats: use/read/edit Microsoft from Office 95 up to Office 2003 documents.
- Windows, Macintosh, and UNIX file sharing.
- Ability to print to shared environments (Win/Mac/Unix).
- Integration with existing backend systems: Sendmail, Microsoft Exchange, etc.
- Integrated support for J2SE.
- Ability to export documents to Adobe PDF, Macromedia Flash, and small devices such as Palm and PocketPC.

Cost Effectiveness

- Pricing model based on a very low cost, with per-desktop incremental pricing.
- As much as 60 percent lower total cost of acquisition than Microsoft Windows/Office XP upgrade (as much as 90 percent less than full versions).
- At least 25 percent lower total cost of ownership compared to Windows desktop deployment of 2,500 systems.
- Extends life of existing hardware by three years through lower system requirements.
- StarOffice 7 included at no additional cost.

Manageability

- Decreased complexity of managing distributed desktop environments.
- Policy-based desktop configuration management provides fine-grained control of user settings, application visibility, and access rights enabling system lockdown.
- Centralized, rapid, desktop setup and deployment.
- Software management tools for simplified software updates and patching, including local or remote management, alerts/notifications, and dependency checking/analysis using push or pull distribution.
- Grid-enabled features to increase utilization. Job scheduling of desktop systems uses a collection of interconnected computers as a unified computing resource.

AN OVERVIEW OF THE GNOME DESKTOP

At A Glance

- Modern, intuitive user interface
- Familiar themes, menu structures, and keyboard shortcuts
- Extensive set of desktop utilities
- Customizable desktop themes, menus, icons

The GNOME Desktop enables you to interact efficiently with the applications and documents you use every day. The major components of the GNOME Desktop are:

- **Panels** -- Panels are areas in the GNOME Desktop from which you can run applications and applets and access all of your system applications and menus. Panels are very configurable-- you can create multiple panels and different properties, objects, and backgrounds for each panel.
- **Menus** -- You can access all GNOME Desktop functions through menus. You can use the Applications menu to access almost all standard applications, commands, and configuration options. You can access the Applications menu from the Main Menu and from the Menu Bar applet. You can add the Main Menu and the Menu Bar applet to your panels. The Menu Bar applet contains an Actions menu. The Actions menu contains commands that perform various functions, for example Find Files and Log Out. The items in the Actions menu are at the top level of the Main Menu.
- **Windows** -- You can display many windows simultaneously and run different applications in each window. The window manager provides frames and buttons for windows. The window manager also enables you to perform standard actions such as move, close, and resize windows.
- **Workspaces** -- You can subdivide the GNOME Desktop into separate workspaces. A workspace is a discrete area in which you can work. You can specify the number of workspaces in the GNOME Desktop. You can switch to a different workspace, but can only display one workspace at a time.
- **Nautilus File Manager** -- The Nautilus file manager provides an integrated access point to your files and applications. You can display the contents of your files within a file manager window, or open the files in the appropriate application from the file manager. You can use the file manager to manage your files and folders.
- **Preferences** -- The GNOME Desktop contains dedicated preference tools. Each tool controls a particular part of the behavior of the GNOME Desktop. To start a preference tool, choose Preferences from the Main Menu. Choose the item that you want to configure from the submenus.

- **Desktop** -- The desktop is behind all of the other components on the desktop and is an active component of the user interface. You can place objects on the desktop to quickly access your files and directories, or to start applications that you use often. You can also right-click on the desktop to open a menu. You use GNOME Desktop to perform the following tasks from your desktop:
 - **Start Applications, Open Files and Folders** -- You can add desktop objects for convenient access to files, folders, and applications that you use frequently. For example, you can add an application launcher to the desktop. You can create a symbolic link to a file that you use often, then add this link to your desktop. You can also store files and folders on the desktop.
 - **Open the Desktop Menu** -- Right-click on the desktop to open the Desktop menu. You can use the Desktop menu to perform actions on the desktop.
 - **Work with Trash** -- You can move objects to Trash and empty your Trash.
 - **Customize Your Desktop** -- You can customize the pattern or color of the desktop.

Test This – Configure the Desktop

Nautilus is the underlying driver for the desktop. Once you configure the desktop automatically updates. For example:

1. Open up Nautilus (start up the 'This Computer' icon on the desktop).
2. Select the Edit menu.
3. Select the Preferences item.
4. Choose the View folder option.
5. Under Icon View Default listing, modify the Default Zoom Level. All of icons in Nautilus window and on the desktop change.
6. Close the Folder Options box.
7. You'll now notice that the 'zoom' toggle to the right of the location bar on the Nautilus window does not have the same function.

Test This – Saving a Screenshot

Saving a screenshot is quick and easy. Once you have the screen showing that you would like to save, go through the following steps.

1. Right click on the panel at the bottom of the desktop.
2. Select Add to Panel option.
3. Select Actions option.
4. Select screen shot. A camera icon should now be visible on your desktop panel.
5. Clicking on the camera icon will provide you with several options to save the screenshot.
6. When finished, right click on the camera icon and click Remove from Panel.

If you want to take a screen shot of the launch menus or without the camera icon visible in the shot you may want to investigate the Launch / Applications / Graphics / Image Editor program (the GNU Image Manipulation Program). It presents more authentic screenshots for press.

1. Switch to an alternate desktop using the Desktop Switcher Panel applet in lower right corner.
2. Open the Image Editor.
3. Select 'File / Aquiver / Screenshot'
4. Choose your settings and set a delay of a few seconds (enough to set up your screenshot).
5. Minimize the Image Editor.

6. Switch to the original desktop.
7. Set up your screenshot (open the launch menu, etc).
8. Wait for the screenshot to take and save it with 'File / Save As'.

AN OVERVIEW OF XIMIAN EVOLUTION

At A Glance

- E-mail with address book and LDAP support
- Fully featured collaborative calendar
- Client connector to Sun Java System Calendar Server
- Synch with PalmOS devices

Ximian Evolution is an advanced personal information management system that integrates with e-mail and calendar servers. Evolution contains:

- **Calendar** -- For scheduling appointments with access permissions, subscriptions, and more.
- **Contacts** -- Create an address book of your contacts. It also imports your existing contacts from Outlook and Outlook Express.
- **Inbox** -- Compose, send, receive, and manage e-mail messages in text or HTML format. Folders let you manage messages in an intuitive format and powerful searching and filters let you find and route messages intelligently. You can import e-mail from Microsoft Outlook and Outlook Express and Netscape Messenger.
- **Summary** -- Get an overview of the coming day by viewing an overview of e-mail messages, appointments, meetings, and tasks – or even weather and news feeds.
- **Tasks** -- Manage the work and to-dos that you must execute.
- **Connectors** -- Connect to mail and calendar servers. Evolution exports data to standard formats, including mbox, iCalendar, and vCards in a .db3 database.

The Key Benefits of Ximian Evolution

- **Versatility** -- Evolution manages contact information, appointments, and mail, and presents this functionality in an integrated package. Evolution acts as the central point of control for all your communication needs.
- **Compatibility** -- Evolution supports global mail protocols, such as IMAP4, SMTP, POP3, and LDAP. Evolution also adheres to global standards and file formats, such as mbox, to facilitate smooth integration into existing environments.
- **Integration** -- Public interfaces to the core functionality of Evolution components ensure easy integration with other applications.
- **Scalability** -- Evolution can manage large amounts of mail and provides tools to organize, read, and search through mail in an efficient way.

Test This – How do I connect to a Sun Java System calendar or messaging server?

1. In order to connect to an existing Sun Java System calendar or messaging server account, Select “Tools - Settings” from the top menu bar.
2. Select “Sun Java System Accounts” from the left hand folder bar.
3. Select “+Add” to add a new Sun Java System account to connect to.
4. Complete new account dialog box.
 - 4.1.Account Name- create any name for this account (example “Sun Java System Calendar” or “My Sun Email”).
 - 4.2.Select either Http or Https protocol as defined by your Sun Java System account settings.
 - 4.3.Identify the server information for the location of your Sun Java System account.
 - 4.4.Add port details if relevant.
 - 4.5.User= Sun Java System user name
 - 4.6.Poll Interval= how often this account should be polled for changes.
 - 4.7.Click “OK” to save the information.
5. Click on “Apply” to add the account.
6. Evolution may need to be restarted in order to connect to the Sun Java System account.

AN OVERVIEW OF STAROFFICE

At A Glance

- Fully featured office productivity suite including word processing, spreadsheet, presentation, drawing, database, and HTML capabilities.
- Microsoft Office-compatible – Read, edit, and save to Microsoft Word, Microsoft Excel, and Microsoft PowerPoint file formats.
- Easy to learn and use through familiar interface, industry-standard menus, icons, dialogue boxes, and layouts.
- Support for XML – StarOffice's default file format is XML with a fully published file format (at www.openoffice.org).
- Support for third-party applications such as Adobe Acrobat, Macromedia Flash, Microsoft Internet Explorer, and popular PDAs.

The StarOffice 7 portion of Sun Java Desktop System 2 delivers a choice in office productivity that is best of breed, offers compatibility with Microsoft Office files, provides a pathway to the future, doesn't "lock in" users -- and does it all with dramatic cost and licensing savings.

First-time reviewers who have had little or no experience with StarOffice will quickly see the robust feature set and how easy it is to learn . Reviewers familiar with StarOffice can look forward to easy export to PDF format, improved Microsoft Office interoperability, support for assistive technologies (accessibility), and an installation and administration tool (StarOffice Configuration Manager). StarOffice now also features a software development kit, an XML filter that allows import and export of other XML file formats, increased stability and performance, and a new set of icons.

StarOffice offers a choice in office productivity by providing an affordable, fully featured, Microsoft Office-compatible alternative to proprietary and more expensive office suites.

The Key Benefits of StarOffice™ 7

- **Increased Interoperability with Popular Third-Party Applications** -- StarOffice provides the best Microsoft Office import and export filters available to facilitate the exchange of documents (word processing, spreadsheet, and presentations) with Microsoft Office users. You can also view StarOffice 7 files within Internet Explorer. StarOffice now allows for easy export to PDF. Users can save or send StarOffice documents in PDF without requiring Adobe Acrobat products installed. StarOffice also supports Macromedia Flash, small devices, and Web conferencing.

StarOffice can import and export XML-based files created with third-party applications. In addition, StarOffice 7 software is backward compatible, enabling you to load and edit documents created in StarOffice 6.0 software or earlier. StarOffice 7 software includes a Document Converter that steps you through the process of converting binary StarOffice and Microsoft Office documents to the StarOffice XML format individually or in batch.

- **StarOffice Configuration Manager (SCM) -- Administration and Configuration Tool** -- StarOffice 7 includes SCM, a tool that simplifies the installation, configuration, and management of StarOffice. Features include security and authentication using LDAP, roaming profiles, single sign-on, and a user-friendly interface.
- **Access to StarOffice Functionality for People with Disabilities** -- You can use StarOffice 7 through alternative input devices, giving users with physical disabilities access to virtually all the functionality of StarOffice. These include keyboard-only navigation and high-contrast color schemes. The accessibility API enables screen-magnification software, on-screen keyboards, and screen readers to be used with StarOffice. The Java Accessibility API supports the most popular assistive technologies including JAWs, ZoomText, Gnopernicus and GNOME On-Screen Keyboard (Linux, Windows).
- **More Ease of Use Enhancements** -- StarOffice 7 is easier to use with improved Help documentation, a complete set of new icons, easier preview of documents, and better table/cell formatting. There is also a new keyboard/mouse macro recorder that simplifies macro creation.
- **Improved Stability and Performance** -- StarOffice 7 includes the three previous StarOffice 6.0 updates that include patches for stability and performance improvements.
- **Improved Microsoft Office Interoperability** -- StarOffice 7 software includes the following improvements in Microsoft Office compatibility:
 - Text document formatting and layout
 - Formatting of text frames and layouts
 - Graphics objects
 - Chart graphics
 - Forms within text documents
 - WordArt objects
 - Data validation within spreadsheets
 - Vertical texts support for Asian character sets.
- **Software Development Kit (SDK)** -- You can customize and extend StarOffice with a software development kit. The SDK provides API concepts with descriptions, UNO component model and API usage within different application areas, and numerous examples using Java, C++, Basic, and OLE.
- **Open and Available Source Code** -- StarOffice 7 source code is open and available for download (source and binaries) at www.openoffice.org. You can expand StarOffice functionality and link to other applications with an open, language-independent, and component-oriented API. Developers who want to write additional components, modify the StarOffice UI, or otherwise extend the StarOffice 7 software functionality can download the StarOffice SDK or the Office Development Kit (ODK) at http://udk.openoffice.org/udk_package.html. The ODK sources are readily available at OpenOffice.org (www.openoffice.org).

Test This (used with Mozilla)

Download Microsoft Word document from Web site and convert to StarOffice document, then save to PDF and email to coworker.

1. Open Mozilla browser.
2. Click/type the following URL:
http://www.microsoft.com/msft/earnings/FY04/earn_rel_q3_04.msp
3. In the upper left corner is a Microsoft Word link to download press release into Word format (<http://www.microsoft.com/msft/download/FY04/MSFTQ3-04.doc>).
4. Download and re-save into StarOffice document format. This will illustrate the strong compatibility between both office suites.
5. Also, it is easy to save the StarOffice document as a PDF. Go to File menu and click Export as PDF.
6. A new window will appear asking for a specific location in which to save.
7. Following your save, you have several options related to how much of the document you would like to export and how compressed you would like the PDF.
8. Then email your PDF to a co-worker.

AN OVERVIEW OF MOZILLA

At A Glance

- Streamlined, efficient Web browsing.
- Advanced search options
- Tabbed browsing and grouped bookmarks
- Enhanced performance that accelerates page loads, browsing, and mail activities.
- Enhanced enterprise features, including secure mail, IMAP shared folders, secure LDAP, and offline LDAP

Mozilla software is Sun's powerful, open-source, cross-platform standard browser for Sun Java Desktop System. Mozilla software includes powerful tools for Web surfing, managing e-mail, communicating with colleagues, participating in discussion groups, and creating dynamic Web pages — all in one integrated package.

And since one size does not fit all, Mozilla software offers extensive opportunities for customization by allowing a choice of search engine, the tabs to include in the sidebar, and the overall appearance of the user interface. Mozilla software integrates Java and XML technologies extremely well, which is one of the key reasons why Sun chose to standardize around it.

- **Customizable Interface** -- Mozilla enables users to customize many modes of operation to suit individual needs. Mozilla lets you check multiple e-mail accounts, filter spam, and view multiple Web sites with tabbed browsing. Mozilla also allows you to choose different looks or themes letting you express your individuality.
- **Mozilla Search Service** -- This search field doubles as the Web address field. Simply type a word, Web address, or phrase and then click *Search*. There's no waiting to load a special search page or open a frame. Results automatically open in the sidebar, so you can retrieve multiple results without reloading the search engine every time. You can even conduct searches from the drop-down AutoComplete feature on the URL bar, making the process even more convenient and efficient. And since almost any search engine can be integrated, users have hundreds of choices for locating information.
- **Group Bookmarks** -- With Group Bookmarks, you can open the browser and immediately view several sites in different tabs. The Bookmark Manager window helps you quickly find any Web page based on name, URL, date last visited, and other attributes.
- **Form Manager** -- This feature automatically completes Web forms with key information, including name, address, and more.
- **Password Manager** -- This helps you track multiple login names and passwords for different sites – without compromising security.

- **Excellent Privacy and Security** -- The security features included in Mozilla are built on open source Network Security Services (NSS) code. For Internet users concerned with online privacy and security, Mozilla software delivers additional control through the Password Manager and Cookie Manager functions.
- **Cookie Manager** -- Users can choose which sites will be allowed to set cookies and which sites will be blocked.
- **Certificate Manager** -- Mozilla checks secure Web sites to ensure they are authentic. Mozilla also provides fine-grained control over pop-up windows and image display — ideal for filtering out unwanted advertising or explicit graphics.
- **Ideal for Creating Java Applications** -- Java applets can easily communicate with the Gecko engine to access common browser functionality and interoperate with browser components. As a result, today's Mozilla browser offers an ideal platform for creating and deploying cross-platform, browser-based, Java technology-based applications. Mozilla also includes Java 2 Platform, Standard Edition (J2SE) 1.4.2 software.
- **Rich Support for Web Standards** -- Mozilla supports many advanced Web standards, including Macromedia Flash, Java, Apple QuickTime, Adobe Acrobat, and RealOne/RealPlayer G2 from Real Networks.
- **Faster Browsing Experience** -- Tabbed browsing, image blocking, bookmarking of custom keywords, extensible searching, and support for multiple mail accounts enable users to browse the Web faster and more efficiently.

Test This (used with StarOffice)

Download Microsoft Word document from Web site and convert to StarOffice document.

1. Open Mozilla browser.
2. Click/type the following URL:
http://www.microsoft.com/msft/earnings/FY04/earn_rel_q3_04.msp
3. In the upper left corner is a Microsoft Word link to download press release into Word format (<http://www.microsoft.com/msft/download/FY04/MSFTQ3-04.doc>).
4. Download and re-save into StarOffice document format. This will illustrate the strong compatibility between both office suites.
5. Also, it is easy to save the StarOffice document as a PDF. Go to File menu and click Export as PDF.
6. A new window will appear asking for a specific location in which to save.
7. Following your save, you have several options related to how much of the document you would like to export and how compressed you would like the PDF.

AN OVERVIEW OF SUN CONTROL STATION

At A Glance

- Manage hundreds of desktops
- Software management, analysis, and dependency checking
- Image management/deployment
- Inventory management
- Health and performance monitoring
- Optional grid-management capability
- Secure 128-bit encrypted communication
- Extensible, flexible framework

Sun Control Station is a software solution that simplifies desktop system administration. SCS includes a comprehensive set of pre-installed modules that enable system administrators to remotely manage hundreds of desktops. Through a high-performance, small-footprint agent installed on each node, SCS can securely deploy new software and services, monitor health and performance, perform software analysis, and apply software patches to remote systems. In addition, SCS is simple and easy to setup and manage through an intuitive browser-based interface. The pre-installed modules that provide the main capabilities of Sun Control Station include:

- **Software Management** -- With SCS, you can, from a remote location, ensure that systems are up-to-date by tracking software packages available, installed, and needed. SCS can install the required software packages, patches, or applications by obtaining them from remote locations or by downloading them to a local software repository. You can easily look for dependencies and upgrade a system by pushing out the necessary patches and packages. Use software management features to “publish” packages for downstream consumption or redistribution. This hierarchy enables SCS servers to act as a corporate repository for officially sanctioned (tested and certified) downloads that other remote sites can pull from.
- **Image Management** -- Allstart, a new image-deployment capability for desktops, combines AutoYast for SuSE Linux systems with an easy-to-use interface for easy image deployment, enabling you to net boot a new system image on a Sun Java Desktop. This means faster service deployment by easily provisioning and reprovisioning multiple desktops quickly based on a core set of predefined images.
- **Health and Performance Monitoring** -- SCS can remotely monitor the health and performance characteristics of managed desktops and provide this information back to the console. It runs status checks on critical system components and processes such as memory and swap space. You can define and easily develop new monitoring capabilities for your unique environments and incorporate them into the set of events monitored by the Sun Control Station. You can activate alarms and send notifications to warn system administrators about failures of components or processes, reducing downtime.

- **Inventory Management** -- SCS can provide system information about desktops being managed, such as desktop type and hardware profiles. The information can be presented in a summary or detailed manner.
- **Security** -- SCS uses secure protocols and proven algorithms with 128-bit encryption for communication between servers and managed desktops. The push model of software management and the architecture of the SCS are key to ensuring secure communications. The Web-based interface is accessed via SSL, providing industry-standard communication for Web based applications. The SCS server itself does not allow any inbound connections, preventing any attacks on active ports.
- **Flexibility and Expandability Through Custom Modules** -- Since each IT environment is different, much of systems management is accomplished using custom modules, utilities, and scripts. Using a supplied SDK, SCS can incorporate your homegrown scripts into a custom module, enabling you to activate those scripts from the SCS 2.0 console. There's no need to relearn new processes to achieve consistent results.
- **Web-Based UI** -- SCS has a simple, logical, and intuitive browser-based user interface. This enables you to manage desktops remotely from any location and does not require a custom application installed on the management console.

The Key Benefits of Sun Control Station

- **Centralized Management** -- Manage several desktops from a centralized remote location. This increases system administrator productivity.
- **Software Updates** -- Sun Control Station streamlines and simplifies the process of keeping desktops secure with the latest security patches or keeping them current with the latest software updates and applications.
- **Quick Deployment of Desktops** -- Define and install specific desktop environments (like developer, legal, etc). SCS enables the administrator to easily track and manage multiple desktop profiles within a customer environment. This dramatically improves productivity by reducing custom installs and initial configurations.

Test This

The following scenarios will familiarize yourself with Sun Control Station while managing your desktops. After completing them, feel free to try out other features of Sun Control Station.

1. Installing Sun Control Station

- 1.1. Install the SCS server on a RedHat server (7.3 or RHEL2.1ES required). Follow the install guide that comes with the product that was provided.
- 1.2. Setup the system and log in using your username and password. This brings you into the main welcome screen. You will see the list of menu items on the left.

2. Adding managed hosts (desktop systems)

- 2.1. Go to Administration > Hosts > Add, and add desktop systems to be managed.
- 2.2. Type in the IP address or hostname, user name, and password. Check the “Install all possible modules” checkbox. Click Add Host.
- 2.3. Verify that the desktop system is added properly and no error is shown in Tasks submenu.

3. Installing JDS software onto desktops using Allstart image management

- 3.1. Go to Allstart > Distributions > Add. Upload the JDS distribution from CD or from local ISO images (placed in the /scs/data/allstart/iso directory) onto Allstart. This will load in the JDS image to be installed on the desktop.
- 3.2. Go to Allstart > Payloads > Add. Define a new JDS payload by clicking on “New”. (For the first iteration, this should be the default set of files in the payload.) This will define the set of packages that will be installed as part of JDS.
- 3.3. Go to Allstart > Profile > Add. Define a JDS system profile that maps with the current customer environment.
- 3.4. Go to Allstart > Clients > Add. Choose a system type (sjds), select the method used to add client(s), either by manually entering its MAC address, using Auto Discovery, selecting from managed hosts, or using an XML file that defines the clients. When manually adding, you must also specify boot information and network information, in addition to JDS payload and profile.
- 3.5. In the Allstart Clients table, select the newly-added client(s), and click Enable. This ensures that when the desktop netboots, SCS deploys the new JDS software onto it.
- 3.6. Netboot the client desktop. This automatically installs the JDS image on the desktop in 20-30 minutes.
- 3.7. Click the Build Status button to observe the build process. Ensure that the desktop is installed at the end of the process.
- 3.8. Repeat the above (steps 3.4 to 3.7) for more than one desktop.

4. Software management/Update server

- 4.1. Go to Software Management > Remote Servers > Add Server. Choose YaST Online Update as server type.
- 4.2. Add the following server to the SCS settings:
 - url: `http://jdsupdate.sun.com:8080/lpsauth-1.0/updates/`
 - username: `jds`
 - passwd: `madhatter`

- 4.3.This adds all available packages for JDS via the YOU server onto SCS. You will be able to see all these packages when you click on the “Packages” menu.
- 4.4.You can also upload JDS packages stored locally on desktop onto the SCS server. You can also publish any or all JDS packages stored on the SCS server, and use it as a local update server by pointing other client desktops to it.
- 4.5.Download any package locally to ensure that it can be done. View package information by clicking on “Information” button.

5. Software management/Patch or package installation

- 5.1.Use Software Management->Packages to choose a package you want to install and push onto a client desktop. Or, use Software Management->Needed Software to select a package from the list.
- 5.2.Install the package onto a managed desktop. This process checks dependencies and only installs if all dependencies are met.

These initial administrative capabilities enable your desktop users to start their work on the Sun Java Desktop System. You can use the Java System Configurator to setup specific user and desktop characteristics.

AN OVERVIEW OF JAVA DESKTOP SYSTEM CONFIGURATION MANAGER

At A Glance

- Highly granular control of employee access rights and system settings
- Enable centralized desktop lockdown
- Dramatically reduce costs of desktop systems management

The Sun Java Desktop System Configuration Manager provides centralized management of configuration settings for Java Desktop System deployments. You can use it to manage desktop systems and create a consistent environment for your users by defining and locking configuration settings from a single point of control. You can use effective methodologies, such as the grouping of definitions called *configuration policies*, to help manage both small- and large-scale deployments efficiently from a central location, reducing reduce the costs of administration and user support. The main components of Java Desktop System Configuration Manager include:

- LDAP server (part of the required environment) containing the organizational structure of users and hosts to be managed and that holds the configuration data
- A Web-based management tool that lets you define and assign configuration data to elements of your organizational structure
- Desktop components installed on the client host that retrieve the configuration data on behalf of the current user and expose it to the various applications making up the Java Desktop System.

The Configuration Manager provides an administration tool that runs on the Sun Web Console enabling you to traverse the hierarchy of your organization to define policies for desktop applications. You can view and assign configuration settings to the various elements of your organization's hierarchy, such as organizations, roles, users, domains, and hosts. A set of configuration settings for a given application is called a *configuration policy*, and those policies, bundled in *policy groups*, can be assigned to parts of the corporate organization (sub-organizations or users) or parts of the hierarchy of desktop computers (hosts). The Configuration Manager uses several configuration templates to display settings that are specific to different desktop applications such as GNOME Desktop, Mozilla, StarOffice, and Evolution.

Configuration policies are applied when a user starts a desktop session or an application that is managed by the Configuration Manager. All the policy groups relevant for the user or the host running the application are retrieved, and their settings are integrated with the local defaults of the application and the user's custom settings. Policies can be used to provide a set of centrally managed defaults to the application or to enforce mandatory settings.

The Key Benefits of Java Desktop System Configuration Manager

- **Open Infrastructure** -- The Configuration Manager uses a standard LDAP-compliant repository.
- **Flexible Structure** -- The Configuration Manager can adapt to a wide range of organizational structures.
- **Central and Integrated Administration** -- The Configuration Manager is integrated into the Sun Web Console letting you perform administration tasks for the Sun Java Enterprise system in the same environment.
- **Delegated Administration** -- The Configuration Manager relies on standard LDAP functionality that easily enables you to define a delegated administration environment.
- **Efficient Administration** -- Grouping and inheritance of configuration policies avoid redundant administration tasks and help to reduce complexity.
- **Consistent Configuration** -- The Configuration Manager supports a consistent application of configuration policies. This includes, for example, areas such as security, where a consistent approach is essential.
- **Control of the Environment** -- Lockdown and enforcement of configuration policies support enterprises in creating standard and maintainable environments.
- **Platform Independence** -- You can manage Sun Java Desktop System components such as StarOffice, Mozilla, or Java applications independently of the platform on which they are running.

Test This

See the separate "Demo Environment" CD. Insert the CD into your system and point your browser to the README.html file that is on CD. You will then be able to utilize the Configuration Manager with live data.

LICENSING AND SUPPORT OPTIONS

Sun Java Desktop System 2 Client

Single User License

- Desktop client software
- Bonus: developer tools software: JDK, Sun Java System Studio, NetBeans
- 60-day install support
- 1 year of maintenance
- Online end-user training
- Media kit and documentation
- Price: \$100/desktop/year (promotional discount price of \$50 good until December 2, 2004.

Multi-User License

- Desktop client software
- Bonus: developer tools software: JDK, Sun Java System Studio, NetBeans
- System management tools software
- 1 year of maintenance
- End user online training
- Price: \$100/desktop/year (promotional discount price of \$50 good until December 2, 2004.). Alternatively, organizations can pay \$50/employee/year (promotional discount price of \$25 good until December 2, 2004.