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## Product Announcement

US Dollar Suggested List Prices  
For Caldera® Authorized Distributors Worldwide



# OpenLinux® Workstation Release 3.1.1

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24 January 2002: Caldera International, Inc. is pleased to announce availability of OpenLinux Workstation Release 3.1.1, in English, German, Japanese, Korean, Chinese Traditional and Chinese Simplified language kits bundled with software maintenance and support services. New pricing and Model Numbers are also being introduced. This announcement includes:

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For more information visit:

OpenLinux Workstation 3.1.1  
Caldera Support

<http://www.caldera.com/products/workstation>  
[www.caldera.com/support](http://www.caldera.com/support)

## 1 Product Description

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OpenLinux Workstation is an operating system product for developing Internet-enabled business solutions for deployment on enterprise-class Intel® processor-based workstations. OpenLinux Workstation provides a complete development environment for Linux. Included are the complete GNU toolchain as well as Borland JBuilder Foundation, and SUN Microsystems® StarOffice and Forte. This product comes with a hardcopy Quick Start Guide, a Developer Guide and complete documentation in electronic format, and five or six (5 - 6) CDs. The majority of the product documentation is available via a browser using Docview. This version includes sixty (60) days of Caldera Evolution™ Online software maintenance and update service, and sixty (60) days of email installation support.

## 2 Positioning

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The Caldera OpenLinux Workstation is a full-featured Linux desktop operating system platform ideally suited to the development and deployment of Linux and web based software. It includes the best mix of open source and commercial development tools, documentation, and support options to enable developers to quickly develop a wide variety of standards-based applications and/or services.

**Tag Line:** Business quality software development toolkit for the development of traditional and web-based applications.

## 3 Target Markets

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OpenLinux Workstation is intended to be sold to the following customer groups:

- **Developers** — The OpenLinux Workstation product is targeted at developers who are already working with Caldera OpenLinux products or other Linux distributions as well as the Open UNIX® platform, and other enthusiasts who are interested in the latest Linux technology and standards. Of particular interest to developers of SCO OpenServer™ Release 5 and UnixWare® applications, this product provides a path to begin development of Linux applications. Available to developers is membership in Caldera's Developer Network.
- **Commercial Developers (ISVs)** — UNIX development consolidating around the Linux development system, whether applications are sold on Linux or not.

- **Corporate Developers (Small, Medium, and Large)** — UNIX development consolidating around the Linux development system. Line-of-business applications are increasingly being developed in Java™.
- **Channel Developers (VARs, VSPs, Consultants)** — UNIX development is consolidating around the Linux development system. Legacy vertical applications are being written for or ported to Linux.
- **End-User Customers** — The OpenLinux Workstation product is also targeted at end-users desiring a robust operating platform for office productivity. Users may wish to employ the services of Caldera's Professional Services department for the customization of solutions using OpenLinux Workstation as the base product.
- **Existing & New Server Customers** — SCO OpenServer Release 5, UnixWare, Open UNIX, OpenLinux Server platforms as a development environment or as an Integrated client deployment platform.
- **Existing Linux Customers** — OpenLinux, OpenLinux eDesktop customers and enthusiasts interested in the latest Linux technology and standards.

#### 4 Features and Benefits

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The following is a list of the major OpenLinux Workstation features:

- **Linux 2.4 Kernel** - The Linux 2.4 kernel is the core of OpenLinux Workstation. New features in this release for the kernel include larger RAM support, USB support, better SMP scaling up to 32 processors (best as a 1- to 4-processor configuration), journaling file system support, and many other performance-enhancing capabilities.
- **Expert Package Selection** - This installation option allows an expert user to select and deselect individual software packages so that the user can customize the Workstation to specific requirements.
- **Secure Webmin** - Webmin has been enhanced to provide secure communication between any OpenLinux Server or Workstation being configured and the browser that the administrator is using.
- **Caldera Volution Manager Agent** - Caldera Volution Manager is a complete Linux management solution that reduces the cost of implementing and managing Linux systems. By enabling secure, remote management of multiple Linux systems through a browser, Caldera Volution Manager allows administrators to manage through policies, without having to individually manage each system. The Caldera Volution Manager agent is included to allow Caldera Volution Manager servers to deploy software and to manage the system.
- **Proactive Software Management** – Sixty (60) day subscription to Calder Volution Online service that helps administrators stay current on the latest software updates and security alerts for their Linux systems.
- **Permission and Service Audits** – The OpenLinux Workstation is configured to allow administrators to secure the system without hiring an expert to find and close potential security risks. Each OpenLinux Workstation will be shipped secure out-of-the-box in that all unnecessary ports and access points closed or turned off. It will be the responsibility of the administrator to open ports and other access points as needed. Source code, running services, and file permissions have been audited and modified, where necessary, to reduce and/or eliminate security risks. Caldera has documented exactly what it has done and will make this available to potential customers.
- **Java SDK version 1.3** - The latest Sun Microsystems Java 2 Standard Edition (J2SE) SDK version 1.3 is included.
- **Journaling File System** - The ext3 and Reiser journaling file systems are offered as optional file systems. The Reiser journaling file system is an experimental file system and is not recommended for production use. The ext3 journaling file system can be safely used as an alternative to the standard ext2 non-journaling file system.
- **LUI Install** – Includes a tool to create configurations and run unattended (automated) installations of single machines or groups of machines.
- **4GB RAM Support** - The OpenLinux Workstation kernel is set to support up to 4GB of RAM.
- **Docview** - Docview is a remote on-line document viewer that serves up the entire product documentation in web pages accessible from a web browser either locally or remotely.

- **Software and Hardware RAID Support** - OpenLinux Workstation includes tools and drivers for installing and running Linux on RAID systems.
- **RAID Tools** - Includes a set of software RAID tools for setup and management of RAID systems.
- **Software RAID on installation** - Allows the user to setup different RAID configurations during setup.
- **Tomcat** - Includes the Apache Java servlet engine.
- **Mod\_perl** - Includes the Apache perl module.
- **Mod\_PHP** - Includes the Apache PHP module.
- **PHPLib** - Includes the PHP library for PHP application support.
- **mod\_backhand** - Includes the Apache web server module for load balancing between like Apache web servers.

### **Sixty-Days Email Installation Support**

OpenLinux Workstation with Support includes sixty (60) days email installation support. This 60-day email installation support begins at the time of product purchase, and includes:

- CD installation of OpenLinux on supported hardware
- Basic configuration of the graphical user interface (XFree86 configuration)
- Basic network configuration of TCP/IP network configuration
- Basic configuration of an email client
- Basic configuration of printing
- Basic configuration of a PPP connection to an ISP via modem using kppp or COAS
- Basic configuration of supported sound cards

Caldera installation support information is located on the OpenLinux Support Validation Card included in the media kit, which includes details about how and where to obtain the email support.

### **Supplemental Open Source (SOS) Software**

Included with OpenLinux Workstation is a CD-ROM with about 500 supplemental Open Source software packages. This CD-ROM contains many additional libraries, header files, developer tools, system services, and productivity applications, including GNOME, Mozilla, PostgreSQL, ProFTPd, AT&T Advanced Software Tools, AbiWord, Enhydra, Glade, Jitterbug, FreS/WAN, FVWM2, HylaFAX, VNC, Etherreal, and much more.

## **5 Changes in Release 3.1.1**

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Release 3.1.1 introduces many new features beyond the previous OpenLinux eDesktop 2.4 product. The following is a list of the enhancements:

- Successful participation in the Linux Standard Base (LSB) 1.0 Certification Pilot program, with commitment to certification.
- Linux Internationalization (Li18nux) compliant (passed all of the certification tests, currently awaiting final word on certification)
- Unicode font support
- Localized (installation, documentation, screens, help, etc.) in German, Japanese, Korean, Chinese Traditional, and Chinese Simplified languages
- Linux 2.4.13 kernel
- KDE 2.2.1
- Addition of the Linux ext3 journaling file system as a file system option.
- XFree86 Version 4.1
- Euro character support – type, print, display the euro character
- Caldera Volution Manager 1.1 Client installed at install time
- Caldera Volution OnLine installed at install time
- E-mail installation support for a single system
- 60 days subscription to Caldera Volution OnLine for a single system

The OpenLinux Workstation supports up to 32 processors in an SMP configuration and good scalability has been noted at up to 4 processors. Additional hardware support includes USB, PCMCIA, and a wide variety of NIC, disk, and other peripheral cards.

## 6 Why to Buy

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Linux has captured the imagination of developers and users around the world. OpenLinux Workstation combines the mind share of Linux with the productization of Caldera's self-hosted professional release procedures to create an exceptionally stable and performant operating environment that enables software development using C, C++, and Java. OpenLinux Workstation is also an office productivity workstation that easily integrates with other Caldera products, including OpenLinux Server and Open UNIX 8. Caldera has taken this software, secured it, integrated it, and has provided tools to install and manage it; and has tested it to create a business quality workstation capable of providing a leading development environment.

**Deployment Options** – As part of the Caldera family of products, developers who use OpenLinux Workstation can choose the deployment platform that makes the most sense for their Linux application. Platforms include OpenLinux Server or Open UNIX 8 with the Linux Kernel Personality (LKP).

**Tools for the Entire Development Process** – For the lifecycle of development, OpenLinux Workstation includes the necessary tools to enable the building, testing, and deploying of business applications. OpenLinux Workstation provides development tools to match different styles and preferences – from traditional command-line tools to the most modern of GUI IDEs.

**Secure** - OpenLinux Workstation is secure. Engineers have audited source code, processes, file permissions and port usage and have locked the system down so that it is secure out-of-the-box. This makes it so the administrator unlocks or opens only those ports and services that are known so that there is a clear understanding about the security level of the system. Caldera publishes the security information so that the process is clear and saves the administrator time in securing and understanding the extent of the security of the system.

**Easy to Install** - Caldera has proven to be the leader in easy-to-install Linux software. Lizard™ (Linux Installation wIZARD) has won many awards for its ease of use and the great job it does in installing and configuring usable systems out of the box. OpenLinux Workstation comes with several preconfigured installation options that provide for out-of-the-box operation of key server products. To ensure your success, Caldera has included installation support with each full price (Non-NFR) product purchase.

**Easy to Manage** - Caldera provides several management tools to make the configuration and management of your system easy and done from anywhere you want to be. OpenLinux Workstation includes the following management tools:

- **Webmin** - a secure, browser-based management tool that provides a GUI interface to most system functions and server products.
- **Caldera Volution Online Agent** - an agent that communicates with a software update service and decision tool to help you keep your software up-to-date and to understand the effect of updates to your system before performing them.
- **Caldera Volution Manager Agent** - a secure software agent that works with Caldera Volution Manager product to allow the machine to be configured and managed by an administrator using Caldera Volution Manager.

## 7 Licensing

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OpenLinux Workstation is licensed on a per system basis as are support and Caldera Volution OnLine services. There is one COLA included in the OpenLinux Workstation package that authorizes the licensee to use the product and to receive limited email technical support for a single system.

## 8 Upgrades and Trade-Ins

Customers may upgrade previous versions of OpenLinux to OpenLinux Workstation 3.1.1 however the methods and requirements will vary depending upon the version they have and whether or not they have a License to use the product.

The following describes how a customer may upgrade or trade-in their older software for a current version:

### Upgrading from OpenLinux Workstation 3.1 to OpenLinux Workstation 3.1.1

<u>Method</u>	<u>List Price</u>
Download from <a href="ftp://ftp.caldera.com/pub/OpenLinux31/Workstation">ftp://ftp.caldera.com/pub/OpenLinux31/Workstation</a>	No Charge *
Purchase Media Kit – (excludes License, maintenance and support services)	\$49
Purchase Bundle – (includes software, License, maintenance and support services)	\$99

### Trading-In an existing licensed version of OpenLinux (versions before OpenLinux 3.1) or upgrading an unlicensed OpenLinux Workstation 3.1 to OpenLinux 3.1.1

<u>Method</u>	<u>List Price</u>
Download from <a href="ftp://ftp.caldera.com/pub/OpenLinux31/Workstation">ftp://ftp.caldera.com/pub/OpenLinux31/Workstation</a>	No Charge *
Purchase Bundle – (includes software maintenance and support services)	\$99

\* Separate License required for commercial use.

## 9 Availability

Caldera is now accepting orders for OpenLinux Workstation Release 3.1.1. First customer shipments are scheduled to begin worldwide by the end of **January 2002**.

## 10 New Model Numbers and Pricing

The following table summarizes the new Model Numbers and associated pricing (exclusive of local taxes and shipping charges) being introduced in this Announcement:

<u>OpenLinux Workstation Release 3.1.1</u>	<u>Media</u>	<u>Model Number</u>	<u>US\$ List</u>
OpenLinux Workstation – English Version	CD-ROM	SB620-LX09-3.1.1	99
OpenLinux Workstation – German Version	CD-ROM	SB620-LX09G-3.1.1	99
OpenLinux Workstation – Japanese Version	CD-ROM	SB620-LX09J-3.1.1	99
OpenLinux Workstation – Korean Version	CD-ROM	SB620-LX09K-3.1.1	99
OpenLinux Workstation – Chinese Traditional Version	CD-ROM	SB620-LX09CT-3.1.1	99
OpenLinux Workstation – Chinese Simplified Version	CD-ROM	SB620-LX09CS-3.1.1	99
OpenLinux Workstation – License Only	License Pack	LB620-LX00-3.1	99
OpenLinux Workstation Media/Demo Kit	CD-ROM	DA620-LX09-3.1.1	49

## 11 Product Withdrawal

Effective **immediately** the following OpenLinux Workstation Release 3.1.0 and localized OpenLinux eDesktop Release 2.4 Model Numbers have been officially withdrawn from the Caldera product offering:

<u>OpenLinux Workstation Release 3.1.0</u>	<u>Media</u>	<u>Model Number</u>
OpenLinux Workstation – English Version	CD-ROM	1WRK01E0310RG
OpenLinux Workstation with Support – English	CD-ROM	1WRK01E0310SA
<u>OpenLinux eDesktop Release 2.4</u>	<u>Media</u>	<u>Model Number</u>
OpenLinux eDesktop – French Version	CD-ROM	1CDK01F0240RG
OpenLinux eDesktop – German Version	CD-ROM	1CDK01G0240RG
OpenLinux eDesktop – Italian Version	CD-ROM	1CDK01I0240RG
OpenLinux eDesktop – Chinese Traditional Version	CD-ROM	1CDK01CT0240RG
OpenLinux eDesktop – Japanese Version	CD-ROM	1CDK01J0240RG
OpenLinux eDesktop – Korean Version	CD-ROM	1CDK01K0240RG

## 12 Services

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### Technical Support

Sixty- (60) day installation support for OpenLinux Workstation is included with the product purchase, as detailed in Section 4.

Annual support contracts are also available offering one year of support on Caldera's full range of software products from per operating system/platform to unlimited operating systems and products. For more information on support services, visit <http://www.caldera.com/support>.

### Professional Services

Across a range of technologies Caldera's consulting and development teams deliver advice, guidance, implementation, integration, and custom engineering. Professional Services also provides customization services to help customers build custom desktop solutions, small footprint devices, POS terminals and other specialized function clients using Caldera OpenLinux Workstation 3.1.1 as the starting point. For more information on Professional Services, visit <http://www.caldera.com/consulting>.

### Volution Online

Sixty- (60) days of Caldera Volution Online software maintenance and update service is included with the product purchase, and begins upon completion of customer registration at the website listed on the Caldera Volution Online Certificate of License Authenticity (COLA).

Caldera Volution Online is a proactive software management service for all Linux systems. It utilizes an extensive knowledge base of alerts, patches, releases, dependencies and conflicts to help administrators save time and reduce costs of managing Linux software. For more information on Volution Online, visit <http://www.caldera.com/products/volutiononline>.

### Education

Caldera Education offers choices for your education needs. Whether you require classroom instruction or access to online learning, Caldera Education provides UNIX and Linux training solutions to fit your requirements. For more information on Education, visit <http://www.caldera.com/education>

### OpenLinux Workstation 3.1 Support

Existing technical support contracts for OpenLinux Workstation 3.1 will be honored through expiration of the contract(s). Limited retired product support will be available for OpenLinux Workstation 3.1.

Bundled installation support for OpenLinux Workstation 3.1 will be honored until September 30, 2002.

## 13 Contents

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All editions of OpenLinux Workstation contain the following:

<b>OpenLinux Workstation Operating System (CD 1 of 2)</b>	Release 3.1.1 CD-ROM	<b>Updated</b>
<b>OpenLinux Workstation Operating System (CD 2 of 2)</b>	Release 3.1.1 CD-ROM	<b>New</b>
<b>OpenLinux Workstation Source Code</b>	Linux and open source software source code CD-ROM	<b>Updated</b>
<b>International Content CD</b>	Documentation, input methods, and fonts Asian language support (This CD will exist in Asian media kits only)	<b>New</b>
<b>Supplemental Open Source Software</b>	Additional unsupported open source software and source code CD-ROM	<b>Updated</b>
<b>Supplemental Developer Software and Documentation</b>	Additional documentation for developers and commercial development products, including: Sun Microsystems Forte Sun Microsystems StarOffice Borland JBuilder Foundation (The Sun Microsystems StarOffice software will not be available in Asian versions of the product)	<b>Updated</b>
<b>Installation Guide</b>	10 page printed installation instructions	<b>Updated</b>

## 14 Installing Software

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OpenLinux Workstation contains all the software and documentation necessary to install and use the product. In addition, each package will include the source code for all included open source software. The operating system is on the Installation and Binaries CD-ROMs and is installed from the same CD-ROM by booting from CD 1 of 2 of the Installation and Binaries CD-ROMs.

## 15 System Requirements

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Please visit the Caldera Compatible Hardware Web Page [http://wdb1.caldera.com/chwp/owa/hch\\_search\\_form](http://wdb1.caldera.com/chwp/owa/hch_search_form) for more information on supported peripherals. Caldera recommends that your system meets or exceeds the following requirements:

<b>Processor:</b>	At least one Intel Pentium, Intel Pentium II, Intel Pentium III, Intel Pentium 4, AMD K6, K7 and K8 microprocessor or a microprocessor that is 100 percent compatible with the same running at least 200 Mhz.
<b>Architecture:</b>	Conformance to the Industry Standard Architecture (ISA) (also called an AT bus), Extended Industry Standard Architecture (EISA), Peripheral Component Interface (PCI), Intelligent Input/Output (I2O) standards, or Universal Serial Bus (USB).
<b>Memory:</b>	64MB minimum or more of RAM. For optimal performance 128MB of RAM is recommended. Performance may be enhanced as more RAM is added. OpenLinux Workstation supports up to 4GB of RAM.
<b>Disk size and partitions:</b>	Minimum disk space is 1GB. A hard disk of 2GB or larger is recommended. A swap space partition equal to 2 times your physical system RAM if recommended.
<b>Mouse:</b>	A serial, bus, or PS/2-compatible mouse is recommended to access all graphical desktop functionality.
<b>Video:</b>	A Super VGA monitor and video adapter capable of at least 640x480 resolution is required to run the graphical desktop.

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