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Product Announcement

US Dollar Suggested List Prices
For Caldera® Authorized Distributors Worldwide



OpenLinux® Server Release 3.1.1

24 January 2002: Caldera International, Inc. is pleased to announce availability of OpenLinux Server 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:

- | | |
|----------------------------|----------------------------------|
| 1 Product Description | 9 Availability |
| 2 Positioning | 10 New Model Numbers and Pricing |
| 3 Target Markets | 11 Product Withdrawal |
| 4 Features and Benefits | 12 Services |
| 5 Changes in Version 3.1.1 | 13 Contents |
| 6 Why to Buy | 14 Installing Software |
| 7 Licensing | 15 System Requirements |
| 8 Upgrades and Trade-Ins | |

For more information visit:

OpenLinux Server 3.1.1
Caldera Support

www.caldera.com/products/server
www.caldera.com/support

1 Product Description

OpenLinux Server is an operating system product for building Internet enabled business solutions using enterprise-class Intel® processor-based servers. OpenLinux Server provides a set of pre-configured Internet servers including, but not limited to a secure web server, file and print server (Microsoft® Windows®, Linux®, and UNIX® file and print), and network infrastructure servers. It comes with an Installation Guide and seven to eight (7 – 8) CD-ROMs (7 CD-ROMs for English and German versions, 8 for Asian versions). The majority of the product documentation is available via a browser using Docview. OpenLinux Server includes six (6) months of Caldera Volution™ Online software maintenance and update service and sixty (60) days of installation e-mail support for one system.

OpenLinux Server is a foundation platform for the expanding Caldera Volution product family as well for the future delivery and support of web services products.

2 Positioning

The Caldera OpenLinux Server is an Internet/network server that is, out-of-the-box, tuned for fast, secure, production level operation. OpenLinux Server is also easy server to install, configure, deploy and manage.

Tag Line: Business Quality Linux - Secure, Tested, Manageable, and Supported

3 Target Markets

OpenLinux Server is intended for the following customer groups:

Small to Medium Businesses - Internet/intranet server and backoffice server for small to medium businesses. It provides them with their access to the Internet, file and print services and the core networking servers to control access to their internal network.

Fortune 1000 companies with remote connected sites - Provides Internet and file and print services for remote sites regardless of their computing environment.

SCO OpenServer™ Customers migrating to Linux - Provides a stable and secure platform for ported SCO OpenServer Release 5 applications.

Target Users

Corporate IT/IS decision makers and implementers
MIS directors
VARs for SMBs
IT/IS consultants
Current eServer and eDesktop users
Windows NT® customers

4 Features and Benefits

OpenLinux Server comes with several preconfigured server options. Among those are the following:

Secure Web Server - This profile includes a preconfigured secure web server along with the necessary supporting software to perform web serving on the Internet in heterogeneous computing environments.

File and Print Server - This profile includes preconfigured Microsoft Windows, Linux and UNIX file and print services.

Network Infrastructure - This profile includes preconfigured Internet/Intranet/network servers that form the core of communications services, these include: DNS, DHCP, mail server, PPP dial-in, firewall, FTP, majordomo (list server) and INN (news server).

Base Server Platform - This profile only brings in the basic Linux packages necessary to deploy a server application on top of Linux. Unnecessary services are turned off so that whatever server application is deployed will be able to run at its highest efficiency.

All Servers - This profile installs all of the Linux server packages available in OpenLinux Server.

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

Permission and Service Audits - Source code, running services, and file permissions have been audited and modified, where necessary, to reduce and/or eliminate security risks. Each OpenLinux Server is shipped secure out-of-the-box in that all unnecessary ports and access points closed or turned off. It will be up to the administrator to open up ports and other access points as needed. Caldera has documented exactly what it has done and is making this available to potential customers. This will allow administrators to be able to secure the system without hiring an expert to find and close off potential security risks.

Intrusion Detection - Several intrusion detection software packages have been integrated into OpenLinux Server to check for intrusion of files and ports, and to advise the administrator of these intrusions so that he/she can take protective action.

Linux 2.4 Kernel - The Linux 2.4 kernel is the core of the OpenLinux Server. New features in this release for the kernel include larger RAM support, USB support, better SMP scaling (it is best at 1 - 4 processor configurations) up to 32 processors, journaling file system support, and many other performance enhancing capabilities.

Text Only Operation - This installation option allows the installer to remove the GUI user interface (KDE) to free up system resources for the main server operations (thus enhance system performance). This feature will still allow Webmin system access and configuration as well as Docview access to the system documentation.

Expert Package Selection - This installation option allows an expert user to select and deselect individual software packages so that the user can customize the server to the user's needs.

Secure Webmin - Webmin has been enhanced to provide secure communication between the server being configured and the browser that the administrator is using.

Caldera Volution Manager Agent - The Caldera Volution Manager agent is included to allow Caldera Volution Manager servers to deploy software and to manage the system.

Proactive Software Management - Six (6) months of Caldera Volution Online service that helps administrators stay current on the latest software updates and security alerts for their Linux systems.

Java™ SDK version 1.3 - The latest Sun Microsystems® Java 2 Standard Edition (J2SE) SDK version 1.3 is included.

Software and Hardware RAID Support - OpenLinux Server includes tools and drivers for installing and running Linux on RAID systems.

Journaling File System - The ext3 and Reiser journaling file system are offered as an optional file system. However, if you choose to use a journaling file system use ext3 rather than Reiser as Reiser is still considered experimental.

LUI Install – Includes a tool to create configurations and run unattended (automated) installations of single machines or groups of machines.

64GB RAM Support - The Linux kernel was prepared to support up to 64GB of RAM. Thus only Intel and compatible processors capable of supporting up to 64GB of RAM are supported (Intel® Pentium® II, III, 4; AMD K7, K8, and other 100 percent compatible processors).

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.

Multiple LAN card support - Supports more than 1 simultaneous LAN card.

Serial Internet Communications – Provides the necessary tools to connect to the Internet via a modem or DSL connection.

RAID Tools -Includes a set of software RAID tools for set-up and management of RAID systems.

Software RAID on installation - Allows the user to set-up different RAID configurations during set-up.

Tomcat - Includes the Apache Java servlet engine.

Mod_perl - Includes the Apache perl module.

Mod_PHP - Includes the Apache PHP module.

PHPIib - Includes the PHP library for PHP application support.

Mod_backhand - Includes the Apache web server load-balancing module for load balancing between like Apache web servers.

Firewall -Includes IP-Chains and Iptables firewalls.

Supported Servers

Web Server - Apache web server with Microsoft® FrontPage® support

File and Print Server - Microsoft Windows (Samba), UNIX (NFS & CUPS), and Linux (NFS & CUPS) file and print services

Mail Server - Includes a mail server with POP and IMAP client support.

FTP server - Includes the WU-FTP server.

DNS Server - Includes the BIND8 DNS server.

DHCP Server - Includes an open source DHCP server.

PPP Server - Includes an open source PPP dial-in server.

LDAP Server - Includes an open source LDAP server (OpenLDAP).

SLP Server - Includes an open source service location protocol server (OpenSLP)

News Server - Includes INN news server

List Server - Includes Majordomo mail list server.

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

- Installation of OpenLinux Server CD-ROM on supported hardware
- Basic configuration of the graphical user interface (Xf86 configuration)
- Basic TCP/IP network configuration
- Basic configuration of printing
- Basic configuration of an FTP server
- Basic configuration of a Web server
- 8-business hour response during standard hours of operation

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.

5 Changes in Release 3.1.1

Release 3.1.1 introduces many new features beyond the previous OpenLinux Server 3.1 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
- Samba version 2.2.2
- KDE 2.2.1
- Addition of the Linux ext3 journaling file system as a file system option.
- Numerous enhancements for superior Compaq® server hardware support.
- Support for Caldera Volution Manager Server 1.1
- Support for Caldera Volution Messaging Server
- 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.
- Six (6) month subscription to Caldera Volution OnLine for a single system.

The OpenLinux Server supports up to 32 processors in an SMP configuration and good scalability has been noted between 2 and 4 processors. Additional hardware support includes USB, PCMCIA, and a wide variety of NIC, disk, and other peripheral cards.

6 Why to Buy

Linux is a well known and stable operating environment that is based upon software developed to solve Internet communications problems. Caldera has taken this software, secured it, integrated it, provided tools to install and manage it and has tested it to create a product consisting of a set of business quality servers capable of providing high quality Internet/Intranet/networking services.

Secure - OpenLinux Server has gone through an extensive securing of the system. 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 up only those ports and services that he/she knows about so that there is a clear understanding about the security level of the system.

Stable - OpenLinux Server went through a long rigorous testing cycle internally, with major PC manufacturers, and channel partners to make sure that the product works well, installs on major PC manufacturer hardware, and operates well with leading independent hardware and software vendor's products.

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 Server 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 Server 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

OpenLinux Server is licensed on a per system basis. Support and Caldera Volution OnLine services are also licensed on a per system basis. The user must purchase a License for each system that operates with OpenLinux Server and that are supported by Caldera Technical Support and/or Caldera Volution OnLine services.

There are two separate certificates of license and authenticity (COLA) included in the OpenLinux Server package. These COLAs authorize the user to use the product and obtain support and maintenance on a single system.

- OpenLinux Server Support COLA authorizes the licensee to use the product and to receive limited e-mail technical support for a single system.
- Caldera Volution OnLine COLA authorizes the licensee to use Caldera Volution OnLine for one system only.

8 Upgrades and Trade-Ins

Customers may upgrade previous versions of OpenLinux to OpenLinux Server 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 his older software a current version:

Upgrading from OpenLinux Server 3.1 to OpenLinux Server 3.1.1

<u>Method</u>	<u>List Price</u>
Download from ftp://ftp.caldera.com/pub/OpenLinux31/Server	No Charge *
Purchase Media Kit – (excludes License, maintenance and support services)	\$49
Purchase Bundle – (includes software, License, maintenance and support services)	\$249

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

<u>Method</u>	<u>List Price</u>
Download from ftp://ftp.caldera.com/pub/OpenLinux31/Server	No Charge *
Purchase Bundle – (includes software maintenance and support services)	\$249

* Separate License required for commercial use.

9 Availability

Caldera is now accepting orders for OpenLinux Server 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:

OpenLinux Server Release 3.1.1	Media	Model Number	List
OpenLinux Server – English Version	CD-ROM	SB660-LX09-3.1.1	\$249
OpenLinux Server – German Version	CD-ROM	SB660-LX09G-3.1.1	\$249
OpenLinux Server – Japanese Version	CD-ROM	SB660-LX09J-3.1.1	\$249
OpenLinux Server – Korean Version	CD-ROM	SB660-LX09K-3.1.1	\$249
OpenLinux Server – Chinese Traditional Version	CD-ROM	SB660-LX09CT-3.1.1	\$249
OpenLinux Server – Chinese Simplified Version	CD-ROM	SB660-LX09CS-3.1.1	\$249
OpenLinux Server – License Only	License Pack	LB660-LX00-3.1	\$249
OpenLinux Server Media/Demo Kit	CD-ROM	DA660-LX09-3.1.1	\$49

11 Product Withdrawal

Effective **immediately** the following OpenLinux Server Release 3.1.0 and localized OpenLinux eServer Release 2.3 Model Numbers have been officially withdrawn from the Caldera product offering:

OpenLinux Server Release 3.1.0	Media	Model Number
OpenLinux Server – English Version	CD-ROM	1SRV01E0310RG
OpenLinux Server with Support – English Version	CD-ROM	1SRV01E0310SA
OpenLinux Server NFR (Not for Resale) – English	CD-ROM	1SRV03E0310NR

OpenLinux eServer Release 2.3	Media	Model Number
OpenLinux eServer – German Version	CD-ROM	1CSV01G0230RG
OpenLinux eServer – Japanese Version	CD-ROM	1CSV01J0230RG
OpenLinux eServer – Korean Version	CD-ROM	1CSV01K0230RG

12 Services

Technical Support

Sixty- (60) day installation support for OpenLinux Server 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. For more information on Professional Services, visit <http://www.caldera.com/consulting>.

Volution Online

Six- (6) months 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 Server 3.1 Support

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

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

13 Contents

Each OpenLinux Server Kit contains the following:

OpenLinux Server Operating System	Installation and Binaries CD-ROM	Updated
Source Code	Linux and open source software source code CD-ROM	Updated
International Content CD	Documentation, input methods and fonts for Asian language support (Asian Kits and Media/Demo Kit only)	New
Supplemental Open Source Software	Additional, unsupported open source software and source code CD-ROM	Updated
OpenLinux Workstation (CD 1 of 2)	Caldera's OpenLinux Workstation software, first installation disk	Updated
OpenLinux Workstation (CD 2 of 2)	Caldera's OpenLinux Workstation software, second installation disk	Updated
OpenLinux Workstation Source Code	Linux and open source software source code CD-ROM	Updated
Solutions Showcase CD	Collection of demonstration software packages from Caldera ISV partners	New
Installation Guide	60+ page printed manual to assist the user to install the OS	Updated
Caldera Volution OnLine Certificate of License and Authenticity (COLA)	Certificate of license and authenticity & serial number for 6 month subscription to Caldera Volution OnLine	New
Product and Support Certificate of License and Authenticity (COLA)	Certificate of license and authenticity & serial number	Updated

14 Installing Software

OpenLinux Server contains all the software and documentation necessary to install and use each product. In addition, each package includes the source code for all of the included open source software. The operating system is on CD1 and is installed from the same CD by booting from the CD.

15 System Requirements

Please visit the Caldera Compatible Hardware Web Page 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:

Processor:	At least one Intel Pentium II, Intel Pentium III, Intel Pentium 4, AMD K7 and K8 microprocessor capable of supporting up to 64GB of RAM or a microprocessor that is 100 percent compatible with the same running at least 200 MHz.
Architecture:	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).
Memory:	64MB minimum or more of RAM. Performance may be enhanced as more RAM is added. 256MB of RAM are recommended for optimal performance. OpenLinux Servers support up to a maximum of 64GB of RAM.
Disk size and partitions:	A hard disk of 2GB or larger is recommended. A swap space partition equal to 2 times your physical system RAM is also recommended.
Mouse:	A serial, bus, or PS/2-compatible mouse is recommended to access all graphical desktop functionality.
Video:	A Super VGA monitor and video adapter capable of at least 640x480 resolution is required to run the graphical desktop.

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