

Product Announcement



US Dollar Suggested List Prices
For SCO® Authorized Distributors Worldwide.

SCO Linux® Server Release 4.0, Powered by UnitedLinux

19 November 2002: The SCO Group is pleased to announce availability of SCO Linux Server Release 4.0 Powered by UnitedLinux in English, bundled with software maintenance and optional technical support services. New pricing and Model Numbers are also being introduced. Product availability in German, Spanish, French, Japanese, Korean, Chinese Traditional and Chinese Simplified will follow in separate announcements. This announcement includes:

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For more information visit:

SCO Linux Server 4.0
SCO Support

<http://www.sco.com/products/SCOLinuxServer>
<http://www.sco.com/services>

1 Product Description

SCO Linux Server is an enterprise-class operating system designed for use with Intel® processor-based servers. The UnitedLinux core of SCO Linux Server is a standards based, LSB and Open18n (formerly Li18nux) compliant Linux platform that focuses on reliability, availability, stability and security. SCO Linux Server provides reliable business services including, but not limited to a secure web server, file and print services (Microsoft® Windows®, Linux®, and UNIX® file and print), and network infrastructure services. SCO Linux Update Service is an annual service that is bundled with all SCO Linux Server products. This service provides notification of availability of updates and an easy to use graphical tool to download and apply updates to your system. In addition, there are three versions of the SCO Linux Server product available bundled with a one-year technical support subscription service.

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

SCO Linux Server 4.0 is intended for the following customer groups:

- SMBs and larger corporations looking for alternatives to Microsoft back office solutions.
- ISVs, VARs and Resellers looking for a Linux platform to build their solutions around.
- Existing SCO customers and resellers considering moving to Linux solutions.

SCO Linux Server Release 4.0 is offered in four editions, differentiated by the level of Technical Support included in the price. All four editions include one year of maintenance provided through SCO Update for Linux. The Base Edition comes with no additional technical support, although a full range of support is available separately. The other three editions include technical support offerings at increasing levels.

- SCO Linux Server Release 4.0 Base Edition
- SCO LINUX Server Release 4.0 Classic Edition
- SCO Linux Server Release 4.0 Business Edition
- SCO Linux Server Release 4.0 Enterprise Edition

2 Features and Benefits

SCO Linux Server 4.0 is powered by UnitedLinux Release 1.0. UnitedLinux brings to bear the engineering, testing and financial resources of four leading Linux vendors: SCO, Conectiva, SuSE and TurboLinux. Their combined efforts have produced a Linux operating system that is truly ready for the enterprise. Benefits of UnitedLinux include:

Major OEM and ISV Certification – With UnitedLinux, OEMs and ISVs are no longer forced to choose which Linux versions they will certify to. By certifying their products to a single UnitedLinux core they are able to reach customers using any Linux operating system powered by UnitedLinux. This not only is a cost saving to the OEM or ISV, but it ensures the broadest range of supported hardware and software for SCO Linux users.

Interoperability Between Linux Distributions – Since all Linux versions that are powered by UnitedLinux use the same binary base, any application ported to UnitedLinux will run on not just one but four Linux distributions. Coupled with LSB certification, users of SCO Linux can take advantage an ever-broadening range of software.

Improved Reliability and Stability – UnitedLinux leverages the expertise of all four UnitedLinux vendors to create a stable, secure and reliable operating system that has been tested to run in mission-critical environments.

The following is a list of the major SCO Linux features:

Linux 2.4.19 Kernel – The core of SCO Linux Server 4.0 is the 2.4.19 Linux kernel. New features include broadened USB support, Logical Volume Manager, improved journaling file system support, POSIX-ACLs, new O(1) scheduler (improves SMP support), Asynchronous I/O, Enterprise Volume Management System (EVMS), PCI Hot plug support on supported hardware, NUMA support, and many other performance enhancing capabilities.

Security – SCO Linux Server includes a broad range of security features. By ensuring that only minimal services are running on boot up, SCO Linux Server allows the user to enable only the services they need and eliminate possible security holes. In addition to this, only processes that must run as root are configured to do so. SCO Linux Server also includes the security-auditing tool SAINT.

Intrusion Detection - Several intrusion detection software packages including Snort, Strobe and Tripwire have been integrated into SCO Linux 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.

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

Webmin – Webmin is a browser based admin tool that assists the administrator in all areas of system management from adding users to configuring complex servers. Webmin can also be used for secure remote management of servers through a browser on the administrator's local system.

Proactive Software Management - Each licensed copy of SCO Linux Server includes one year of automated security and maintenance updates via the Internet from the SCO Linux Update Service.

Software and Hardware RAID Support – SCO Linux Server includes tools and drivers for installing and running Linux on RAID systems. The SCO Linux installer allows the user to configure software RAID during the set up process.

Journaling File System – Journaling file systems add a higher level of reliability and faster recovery time. JFS, ReiserFS, XFS and Ext3 journaling file systems are included with SCO Linux Server. Each of these file systems has been tested and optimized for the best performance and stability.

Automated Installation – With SCO Linux Server you no longer have to install multiple servers manually one at a time. The automated installation feature in SCO Linux Server allows the user to create an XML file that the SCO Linux installer can read to perform a server installation with no user interaction.

64GB RAM Support - The SCO Server is capable of supporting systems with more than 4GB of RAM using Intel Physical Address Extension technology.

Docview - Docview is an on-line document viewer that serves up the entire product documentation in web pages accessible from a web browser either locally or remotely.

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

Firewall -Includes IP-Chains and Iptables firewalls.

Virtual Private Network – With VPN technology administrators can create an extension of a private network that encompasses links across shared or public networks. SCO Linux Server uses IPSec (FreeSWAN) to create Virtual Private Networks.

Choice of Windows Managers – SCO Linux Server features both the KDE 3.0.3 and Gnome 2.0 desktop environments. This allows users to choose their preferred windows manager and have access to both KDE and Gnome applications

High Availability – The following high availability applications are available for SCO Linux Server:

- Heartbeat: Simple two-node fail-over for services running across a network such as Apache or Samba.
- DRBD: Disk-over-LAN mirroring similar to RAID 1 but across a network
- LVS (Linux Virtual Server): Using LVS, the administrator can build clustered systems for scalability and fault tolerance
- Mdadm: Software RAID administration for disk arrays
- Multipath I/O on device arrays and logical volumes

Linux Standard Base (LSB) Compliant – SCO Linux Server is LSB 1.2 compliant.

Introduction to Linux courseware – SCO Linux Server includes a sample of the wide range of educational courses available for SCO Linux Server and all SCO products.

SCO Linux Server 4.0 can be configured to run any of the following servers.

Web server - Using current, secure versions of Apache, PHP and Tomcat, SCO Linux Server includes everything you need to build advanced web servers.

Web proxy (http/https/ftp proxy) – SCO Linux Server includes the Squid proxy server for speeding up Internet downloads. Also included is the Squid web cache redirectory, Squirm.

File & Print – SCO Linux Server includes the tools you need for File and Print servers using Samba for Windows, CUPS (printing) and NFS (files) for UNIX systems, NetAtalk for Mac systems, and Mars_NEW for NetWare 2.x and 3.x systems.

Name Servers and DHCP – Name resolution can be accomplished with either DNS (using Bind 9) or WINS (using Samba). SCO Linux Server can use DHCP in both client and server mode.

FTP Servers – SCO Linux Server includes VSFTP (Very Safe FTP), an FTP server build specifically with security in mind. SCO Linux Server also includes the popular ProFTP and TFTP packages.

Mail and news servers – SCO Linux Server uses Sendmail for an SMTP (e-mail) server with support for either POP or IMAP mailboxes.

SQL database servers – SCO Linux Server includes both MySQL and PostgreSQL database backend servers with extensions for ODBC, JDBC for heterogeneous OS access support.

Authentication servers – SCO Linux Server includes a suite of authentication servers: OpenLDAP, Kerberos 5, Samba (used for Winbindd and as a Windows domain controller), NIS, and PAM.

Time server – NTP time server

Core Technologies in SCO Linux Server 4.0 – The following table lists the versions of some of the most sought-after features included in SCO Linux.

Linux Kernel version 2.4.19	Webmin 1.024
Glibc 2.2.5	Apache 1.3.26
Xfree86 4.2	CUPS Printing System 1.1.15
KDE 3.0.3/Gnome 2.0	PostgreSQL 7.2.2/MySQL 3.23.52
Samba 2.2.5	Java2 JRE 1.3.1

The SCO Linux Server Base Edition includes the above features and SCO Update. The Classic, Business and Enterprise Editions include the same Base Edition features as well as three increasing levels of annual technical support services -

3 Changes from OpenLinux 3.1.1

SCO Linux Server 4.0 introduces many new features beyond the OpenLinux Server 3.1.1 product. The following is a partial list of the enhancements:

- Advanced UnitedLinux installation technology
- Removal of COAS administration utilities from the KDE Control panel (Webmin is now used for system administration)
- Linux 2.4.19 kernel
- Samba version 2.2.5
- KDE 3.0.3
- Addition of the JFS and XFS journaling file systems as a file system options.
- XFree86 Version 4.2
- Extensive new High Availability and Clustering Features
- And much more

4 Services

TECHNICAL SUPPORT – SCO offers technical support either as a separate agreement for Base Edition customers, or as bundled components with the Classic, Business, and Enterprise Editions.

TECHNICAL SUPPORT AVAILABLE FOR PURCHASE WITH THE BASE EDITION

SCO's award-winning Global Services offer a complete portfolio of world-wide support services on SCO's full range of software products, giving customers powerful choices to choose from based on their business requirements for SCO products, including any flavor of Linux. Local language support is one of the many key attributes to SCO Global Services.

Business critical services (Unlimited technical support incidents covering unlimited licenses/installations) – 24x7 Emergency Service and retired operating system product support available as add-ons to base contract.

SCO Enterprise, the highest level of support, includes a dedicated technical account manager, assigned exclusively to your account, giving you one point of contact for all of your technical issues with immediate

response time, around the clock coverage, as well as 24x7 engineering escalation assistance on all Severity 1 issues. SCO Enterprise is a customized contract for each customer based on your business demands.

SCO TEAM Support is designed for a wide range of corporate customers requiring high-level, proactive technical support for business critical operations. With TEAM, you have immediate and direct access to your assigned senior technical account manager, responsible for assuring successful solution implementation and support for your SCO systems. In addition, an onsite visit is included with the service, which ensures your Technical Account Manager is familiar with your environment. 24x7 after hours support is available as an add on to your base TEAM support agreement.

SCO SoftTech Plus includes support for unlimited licenses and installations covering all SCO products, with a guaranteed one-hour response time. This service is targeted to SCO partners and customers that need coverage for all SCO products. With SoftTech Plus, you also have an assigned administrative account manager as your primary contact for administrative issues.

SCO SoftTech includes support for unlimited licenses and installations with a guaranteed up to two-hour response time. SoftTech is available per operating system/product, allowing you the flexibility to add on additional products and services when you need them. Your administrative account manager provides a single point of contact for your administrative issues.

In addition, SCO offers traditional telephone support services such as Premier Incident packs and Per Server Response.

For more information on support services, visit <http://www.sco.com/support> or contact your local SCO sales representative.

TECHNICAL SUPPORT BUNDLED WITH SCO LINUX SERVER 4.0

Three optional bundles that include a one-year technical support agreement per server with differentiating features and benefits are also available for SCO Linux Server 4.0 as follows:

SCO Base Edition:

Features:

- SCO Linux Update Service

SCO Classic Edition

Features:

- Support for one system/installation
- Unlimited Installation and configuration technical support incidents via phone, web or email for one year
- SCO Linux Update Service
- 5 business hour response
- Named technical support contacts
- Online Service Manager (same access as SCO Business Edition)

SCO Business Edition

Features:

- Support for one system/installation
- Unlimited technical support incidents via phone, web or email for one year
- SCO Linux Update Service
- 3 business hour response
- Named technical support contacts
- Online Service Manager includes:
 - Access to current product technical articles and patches

- o Ability to submit service requests online
- o Online support activity and status

SCO Enterprise Edition

Features:

- Support for one system/installation
- Unlimited technical support incidents via phone, web or email for one year
- SCO Linux Update Service
- 1 business hour response during regular business hours
- Named technical support contacts
- 24x7 after-hours emergency service telephone support
- Administrative Account Manager
- Online Service Manager includes:
 - o Access to current and retired product technical articles and patches
 - o Ability to submit service requests online
 - o Online support activity and status

PROFESSIONAL SERVICES

SCO's Professional Services offer a full suite of consulting services ranging from server deployment and management, migration services to customized solutions.

For more information on Professional Services, visit <http://www.sco.com/consulting>.

SCO LINUX UPDATE SERVICE

SCO Linux Update Service is included with all SCO Linux editions for twelve months. Through this SCO Update service, users receive:

- Notification of available security patches and other maintenance
- A convenient GUI for managing updates to their system
- Access to an up-to-date repository of UnitedLinux and other updates for their system.

EDUCATION

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

5 Licensing

The user must purchase a license for each system they install SCO Linux Server on. The SCO Linux Server package includes a Certificate Of License and Authenticity (COLA). This COLA authorizes the user to use the product and obtain access to the SCO Linux Update service and, if the appropriate product is purchased, SCO Technical support for use with one system (refer to Section 7 Technical Support Bundled with SCO Linux Server 4.0 for support offerings details).

A single Server license is valid for up to four CPUs. For larger systems, additional licenses are sold in units of four CPUs each.

6 Availability

SCO is now accepting orders for SCO Linux Server 4.0 Powered by UnitedLinux. First customer shipments are scheduled to begin worldwide by the end of **November 2002**. English products will be available first followed by European and Asian products, which will be announced when they are available.

7 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:

Product Name	Media	Model Number	US\$ List
SCO Linux Server 4.0, Powered by UnitedLinux-Base Edition	CD-ROM	SA660-LX09-4.0	\$599
SCO Linux Server 4.0, Powered by UnitedLinux-Classic Edition	CD-ROM	SB660-LX09-4.0	\$699
SCO Linux Server 4.0, Powered by UnitedLinux-Business Edition	CD-ROM	SC660-LX09-4.0	\$1249
SCO Linux Server 4.0, Powered by UnitedLinux-Enterprise Edition	CD-ROM	SD660-LX09-4.0	\$2199
SCO Linux Server 4.0, Powered by UnitedLinux-Base Edition	License Pack	LA660-LX00-4.0	\$599
SCO Linux Server 4.0, Powered by UnitedLinux-Base Edition	Web License	LA660-LX00W-4.0	\$599
SCO Linux Server 4.0, Powered by UnitedLinux-Classic Edition	License Pack	LB660-LX00-4.0	\$699
SCO Linux Server 4.0, Powered by UnitedLinux-Classic Edition	Web License	LB660-LX00W-4.0	\$699
SCO Linux Server 4.0, Powered by UnitedLinux-Business Edition	License Pack	LC660-LX00-4.0	\$1249
SCO Linux Server 4.0, Powered by UnitedLinux-Business Edition	Web License	LC660-LX00W-4.0	\$1249
SCO Linux Server 4.0, Powered by UnitedLinux-Enterprise Edition	License Pack	LD660-LX00-4.0	\$2199
SCO Linux Server 4.0, Powered by UnitedLinux-Enterprise Edition	Web License	LD660-LX00W-4.0	\$2199
SCO Linux Server 4.0 Additional 4 CPU License	License Pack	LI660-LX00-4.0	\$599
SCO Linux Server 4.0 Additional 4 CPU License	Web License	LI660-LX00W-4.0	\$599

SCO's Linux pricing is the sum of three components: an initial distribution, trademark use, and registration fee, a separate fee for maintenance services including access to SCO Update for Linux. There is an additional charge for the Classic, Business and Enterprise Editions that also includes annual technical support services for one system. The maintenance and Technical Support fees are recurring annual subscriptions. All three components apply to each server installed with SCO Linux and are included in the prices listed.

8 Contents

Each SCO Linux Server 4.0 Kit contains the following:

SCO Linux Installation CD	Installation, Binaries & Source CD-ROM	
UnitedLinux i386 Version 4.0 CD1	UnitedLinux Binaries CD-ROM	

UnitedLinux 1.86 Version 1.0 CD2	Second UnitedLinux Binaries CD-ROM	
SCO Linux Installation Guide	Printed manual to assist the user to install the OS	
SCO Linux Certificate of License and Authenticity Product Main Support Bundle	Certificate of license and authenticity & serial number	
SCO Linux Support Validation Card (only in products with bundled Technical Support)	Instructions to user to register for support	
SCO Global Services Card	Marketing Collateral on SCO Services	

9 System Requirements

Visit the SCO Compatible Hardware Web Page at [for more information on supported peripherals](#). SCO recommends that your system meets or exceeds the following requirements:

- Processor:** At least one Intel Pentium, Intel Pentium II, Intel Pentium III, Intel Pentium 4, AMD K7 and K8 microprocessor or a microprocessor that is 100 percent compatible with the same running at least 166 MHz.
- Architecture:** Conformance to the Industry Standard Architecture (ISA) (also called an AT bus), Peripheral Component Interface (PCI), or Universal Serial Bus (USB).
- Memory:** 128MB minimum or more of RAM. Performance may be enhanced as more RAM is added. 256MB of RAM are recommended for optimal performance. SCO Linux Server supports 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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