

## Product Announcement



US Dollar Suggested List Prices  
For SCO® Authorized Distributors World-wide

# SCO UnixWare® Release 7.1.4

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**3 May 2004: SCO announces product and availability details for SCO UnixWare® 7.1.4, the latest version of the UnixWare family of operating system products. In addition to new features and support for the latest hardware, this release introduces significant enhancements to the default configurations for most current editions of the product and introduces the new Small Business Edition designed for small business and edge of network applications. The SCO Update Service is available as a cost effective option to upgrade to the next release of UnixWare. Customers who license the SCO Update Service receive electronic delivery of incremental feature updates to UnixWare 7.1.4 up to and including the next UnixWare release. New Media Kits and printed documentation will be available for English, French, German and Spanish languages. Availability details are contained below. A full set of new license keys, and upgrade and trade-in keys are also being provided for this new release. This announcement includes:**

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For more information visit:

- UnixWare [www.sco.com/products](http://www.sco.com/products)
- SCO Support [www.sco.com/support](http://www.sco.com/support)

## 1 Description

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UnixWare 7.1.4 is the latest release of SCO's award winning, state of the art UNIX operating system. It has been updated with additional features, even tighter security, and supports leading edge hardware platforms and peripherals from the world's leading OEMs.

UnixWare 7.1.4 is the mature and proven operating system to support your most critical line of business applications, yet is affordably priced to host all compute needs. It supports the newest industry standard hardware platforms and peripherals and contains even more of the high performance, scalability and reliability features that you have come to expect from UnixWare. As an added bonus, the default configurations of the most popular editions have been adjusted to provide even more value for your money. New installations of UnixWare 7.1.4 as well as upgrades immediately benefit from the additional value in UnixWare 7.1.4. A new, low entry level edition has been added and is configured and priced for low budget pilot projects, edge of network services and line of business applications for small companies.

UnixWare 7.1.4 is available in several ready-to deploy purpose-built editions. Each edition harnesses the ever increasing power of industry standard Intel and AMD server hardware to deliver the best price/performance in the industry. UnixWare 7.1.4 is the right choice for companies who place a high value on the scalability, reliability and security inherent in UNIX technology based systems. While continuing the tradition of backwards compatibility for UnixWare applications, UnixWare 7.1.4 also runs OpenServer applications with the OpenServer

Kernel Personality (OKP), Linux applications via the Linux Kernel Personality (LKP) and Windows applications via NetTraverse Merge™. UnixWare 7.1.4 follows the well established family product model and consists of the following offerings:

- UnixWare 7.1.4 Media Kits: Available in standard and compact versions, the media kit provides all the software necessary to install any component of the UnixWare 7.1.4, including evaluation and demonstration versions of the products.
- UnixWare 7.1.4 Edition License Packs: Purpose-built operating system configurations allowing customers to choose the most cost effective solution to their computing needs.
- UnixWare 7.1.4 User, CPU and Memory Licenses: Additional User Licenses in groups of 5, 10, 25, 100, or 500 users plus an unlimited user license; Additional Processor Licenses to incrementally add CPUs to your system; Memory Band Licenses at new lowered price points that license 4GB, 16GB, 32GB and 64GB of memory in a single system.
- UnixWare 7.1.4 Optional License Packs: A collection of optionally licensable products included on the Optional Services CD that enhance the UnixWare Editions. (See Section 9)
- The OpenServer Kernel Personality (OKP) add-on that support a complete OpenServer environment running on UnixWare.
- UnixWare and OpenServer Development Kit License Pack: Licenses use of the complete development environment provided on the new UnixWare and OpenServer Development Kit CD-ROM. (See Section 8)
- The SCO Update Service initially introduced with UnixWare 7.1.3 is available for UnixWare 7.1.4 either as an optional bundle or standalone license. This innovative service provides UnixWare customers the option of getting early access to the next UnixWare release incrementally with easy to install, regularly scheduled Upgrade Packs delivered electronically or optionally via CD.

## 2 Availability

SCO is now accepting orders for the UnixWare Release 7.1.4 Media Kits and License Packs. The Compact Media Kit and the English version of the Standard Media Kit will ship **21 May 2004** from the USA. The English, French, German and Spanish versions of the Standard Media Kit, as well as the Compact Media Kit, will ship on **28 May 2004** worldwide.

## 3 New Small Business Edition and Updated Edition Defaults

With UnixWare 7.1.4 SCO is introducing a new low entry level edition to the UnixWare family. The new Small Business Edition (SBE) is configured and priced for customers that need a full-featured, low cost server platform for supporting edge of network services, such as a file and print server or to run a small business environment. The Small Business Edition contains all of the same performance, reliability, and scalability features that you have come to expect from UnixWare, but is packaged with a single user, a single processor and 1 GB of memory at a new low price.

Like all the UnixWare editions, additional users, memory and CPUs can be added to the SBE. These additional user licenses fro the SBE are a different Model number than those for the other UnixWare editions and are listed in Section 9. For SME customers who may need to migrate up to a larger Edition as their needs grow, SCO will make available a cross-grade to the newly configured Business Edition.

In addition to introducing the Small Business Edition, with UnixWare 7.1.4 SCO has revised the default configurations of its most popular current Editions to provide more value along with the new features contained in this latest release. The following table summarizes the UnixWare 7.1.4 Edition configurations.

<b>New UnixWare 7.1.4 Edition Default Configurations</b>						
<b>Edition</b>	<b>Small Business</b>	<b>Base</b>	<b>Business</b>	<b>Departmental</b>	<b>Enterprise</b>	<b>Data Center</b>
<b>Price</b>	<b>\$599</b>	<b>\$799</b>	<b>\$1,399</b>	<b>\$2,299</b>	<b>\$4,999</b>	<b>\$9,999</b>
<b>Users</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>25</b>	<b>50</b>	<b>150</b>
<b>CPUs</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>8</b>
<b>Memory</b>	<b>1GB</b>	<b>2GB</b>	<b>4GB</b>	<b>8GB</b>	<b>16GB</b>	<b>32GB</b>

## 4 New and Changed in UnixWare Release 7.1.4

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Beyond the new Edition and revised Edition defaults, the following new features and enhancements have been incorporated into UnixWare 7.1.4.

### Improved Hardware support to track the directions being taken by the major hardware system suppliers.

- Expanded support for Intel® Xeon™ Hyper-threading architecture including ACPI support:
  - enhanced to work on uniprocessor (UP) systems. Previously, this technology worked only on multiprocessor (MP) systems.
  - support for booting UnixWare systems using the Advanced Configuration and Power Interface (ACPI) BIOS tables is provided. This allows UnixWare to run on multiprocessor (MP) systems that do not have Intel Multi-Processor Specification (MPS) BIOS tables
- Enhanced support for USB with the addition of USB printer support
- IDE driver support for ATA devices with more than 128 Gbytes
- A new sound driver (**ich**) that supports on-board PCI sound cards on Intel 845 chipsets has been added to the **audio** package. The chipsets supported are ICH1, ICH2, ICH3, and ICH4. The driver also provides support for the AC97 mixer.
- Enhanced PCI Serial Support. The standard asy and asyc drivers are now configured by default to support up to ten total serial ports. The drivers now support 16654 UARTS on the motherboard as well as the Digi ClassicBoard® and Connect Tech Blue Heat PCI cards.
- An upgrade of Cdrtools to version 2.01a27 including support for DVD reading and writing
- New and updated graphics, network and HBA drivers.

### Upgraded Support for New Applications

- A native UnixWare version of the Mozilla 1.2.1 Browser. This newly ported native browser becomes the default browser replacing the Netscape Communicator delivered with prior releases. This version of Mozilla includes both Java plug-in support and support for non-English locales.
- The Java 2 SE (Standard Edition) Version 1.4.2 SDK
- Java 2 SE Version 1.4.2 Runtime Environment
- Java Communications API – javaxcomm V2.0
- PostgreSQL 7.4.2 has been added as a fully supported component

### Enhanced networking and security capabilities:

- VPN Support based on the IPsec (secure IP) protocol suite and associated tools has been added which provides the ability to encrypt and authenticate IP packets transmitted between cooperating hosts or subnets.
- The Network Time Protocol (NTP) has been updated to Version 4.1.1. This release maintains compatibility with NTP 2.x and 3.x, while support for NTP 1.x has been removed.
- Support for the Name Service Switch (NSS) which provides a single point of control for lookup operations on system databases (such as */etc/passwd*, */etc/group*, etc.). This gives a system administrator the ability to configure these operations while the system is running, including the ability to extend the implementation through plug-in runtime modules.
- Zlib 1.2.1 data compression library

### **Enhanced Printing Support**

- A native version of CUPS (Common UNIX Printing System) which may be used as an alternative to the standard System V LP system. Additional components include:
  - Gimp\_print v4.2.5 driver
  - GhostScript postscript and PDF interpreter
  - Foomatic Filter and PPD files
- Printable documentation support in DocView which allows you to select groups of specific topics to be printed as a single book.
- Automatic generation of the index needed to view documentation via the new DocView feature with automatic updating when the documentation on the system is changed.

### **Enhanced Scalability Features**

- Enhanced PPP scalability which expands the number of supported PPP connections up to 128.
- Extension of the system limit on swap space from 2GB to 4GB.
- Increased Printing Scalability. The printing subsystem has been enhanced to allow a maximum of 999 print jobs per individual printer, or class of printers. Previously the limit was 999 print jobs for the whole system.

### **Network Applications:**

The following native UnixWare ports of Open Source components have been added or upgraded and are now part of the basic system installation as fully supported components.

- Samba 3.0.0
- Squid Proxy Server 2.4.STABLE7
- OpenSSL 0.9.7c ( Secure Sockets Layer)
- OpenSLP 1.0.6a( Service Location Protocol)
- OpenSSH 3.7.1p2 (Secure Shell)
- The Apache Web Server 1.3.29
- OpenLDAP 2.1.22

### **Additional New Features**

- An updated version of Sendmail - Version 8.12.9
- Improved diagnostic tools, including an upgrade to Version 3.7.1 of tcpdump which among other enhancements eliminates the need for a dedicated NIC when using tcpdump.
- Emergency recovery support for IDE, USB, and SCSI writable CD drives which allows creation of an emergency boot CD as an alternative to boot floppies plus the option to write the UnixWare master boot record (MBR) to the hard disk during restoration.

### **Ease of Use and Administration Improvements:**

- An enhanced version of the SCOAdmin DNS Manager. This new version significantly improves ease of use, provides more comprehensive administration support and provides fixes for many reported problems.
- Individual User Default Desktop. With this enhancement the desktop chosen by each user on initial login will continue to be used on subsequent logins until explicitly changed by the user.
- Improved SCOAdmin Storage Management. Three new SCOAdmin interfaces have been added to provide a graphical mass storage management interface as follows:
  - Disk Manager - Manages the logical and physical disk configuration, as well as I/O paths (including Multi-Path I/O).

- Partition Manager - Adds and removes disk partitions.
- Slice Manager - Displays slices defined within a disk partition.

#### **Installation improvements:**

- Support for boot partitions over 8GB
- Improved installation process
- Improved upgrade process without intermediate reboot
- Single step Upgrade from UnixWare 7.1.3, UnixWare 7.1.2 (Open UNIX 8) or UnixWare 7.1.1
- User-defined file systems may be created during installation
- HBA loading from CD-ROM.
- Media-less network installation with PXE boot for easy embedded system deployment.

#### **SCOx Web Services Infrastructure Support:**

The optionally installable SCOx Web Services Infrastructure components have been incorporated into UnixWare 7.1.4. Intended for application developers, they contain SOAP and XML based web services libraries and tools for developing new web services applications using C, C++, Java, Perl and PHP. These components will enable applications built for UnixWare 7.1.4 to communicate with other applications and services using popular web-based industry standards. Included components are the following:

- The Apache 2.0.49 Web Server
- Tomcat App Server 4.1.30
- Perl 5.8.3
- PHP 4.3.5
- MySQL 3.23.49
- A demo package containing simple, easy to follow web services examples in all supported languages.

Additionally significant maintenance work has been incorporated into UnixWare 7.1.4:

- Integrated UnixWare 7.1.3 Maintenance Packs
- Integrated applicable portions of UW7.1.2 and UW7.1.1 Maintenance Packs
- Integrated security fixes and PTFs.

## **5 Optional Services Changes**

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The UnixWare Optional Services CD-ROM has been reworked for the UnixWare 7.1.4 release.

An updated maintenance release of NetTraverse Merge™, Release 5.3.26c has been added. This is a no charge update for licensees of Merge 5.3. Merge 5.3 supports the execution of Windows as a guest OS allowing Windows applications to run exactly as native. It supports Windows Me and Windows 98 and includes other significant enhancements to earlier versions of Merge.

Model numbers and pricing for Merge 5.3 are listed in Section 9. Customers wishing to upgrade from prior releases may purchase a trade-in license.

Reliant®HA has been upgraded to Release 1.1.4. This version is designed for both new installations and for updating current ReliantHA 1.1.1 through 1.1.3 installations. Release 1.1.4 incorporates maintenance and enhancements providing better GAB halt diagnostics, support for single heartbeat system startup and includes sample detectors for Oracle 9i running under LKP, Apache and Progress.

Customers may upgrade from prior releases to ReliantHA 1.1.4 for no charge. See Section 9 for Model Numbers and pricing for special bundle offerings for ReliantHA and UnixWare 7.1.4.

The Advanced File and Print Server (AFPS) has been updated to Release 4.0.2a. Microsoft client support includes Windows 95, Windows 98, and Windows ME. Use of more recent releases of Microsoft clients, including Windows 2000 and Windows XP, is not supported.

## **6 SCO Update Service for UnixWare 7.1.4**

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The SCO Update Service introduced with UnixWare 7.1.3 is available for UnixWare 7.1.4. SCO Update will provide customers with early access to new UnixWare features and functionality via regularly scheduled Upgrade Packs. Purchasing the Update Service entitles customers to receive all upgrade packs up to and including the next release, in effect the next release upgrade will be provided incrementally. Each Update pack will be cumulative with the prior pack. With this regular delivery cycle, new features and enhancements will be made available as they are completed rather than being staged for a single major upgrade release. Each Upgrade Pack will include new features, maintenance, security fixes and selected new and updated drivers. Each pack will be put through a full system test cycle applicable to a normal operating system release.

This concept of incremental product upgrades will allow customers to gain early access to the new features they need to support the deployment of their business critical applications. Further, applying Upgrade Packs will be much simpler and will eliminate the need for disruptive major upgrades. Delivery will be via simple download from the SCO Update Service web site or optionally via CD delivery.

For a fixed, up front price, UnixWare 7.1.4 customers will be able to lock in the costs for the next upgrade release. Customers who decide not to opt for the SCO Update Service upgrade option, will be able to use the SCO Update Service web site for obtaining Basic Maintenance items such as Maintenance Packs, security fixes and updated drivers as they are provided today for UnixWare 7.1.3.

With either option, registering at the SCO Update Service web site will ensure customers are proactively notified of new offerings of the Upgrade or Basic Maintenance options of the service.

Licenses for SCO Update Service for UnixWare 7.1.4 may be purchased bundled with the normal edition license for UnixWare 7.1.4 or may be purchased separately at any time up to and including the time the next to the last Upgrade Pack is released. To take advantage of the CD distribution option a separate license key must be ordered. Model numbers and pricing are contained below in Section 9.

## **7 OpenServer Kernel Personality (OKP)**

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The OpenServer Kernel Personality (OKP) add-on for UnixWare 7.1.4 has been updated to include maintenance fixes and continues to support the installation of a full OpenServer application environment on UnixWare including emulation support for most XENIX applications in use with OpenServer today. With OKP installed, OpenServer applications will run on UnixWare 7.1.4 without modification. This personality of UnixWare is intended for current OpenServer customers who have a business need for the increased scalability and additional features which are supported by the UnixWare kernel or are looking to move to a clustered solution available with UnixWare and Reliant<sup>®</sup>HA.

The no charge Lite version of OKP may be used to directly migrate an existing OpenServer 5.0.4 through OpenServer 5.0.7 system along with already installed applications and data files to UnixWare. Using OKP Lite is the fastest way to move an entire existing OpenServer system image including **all** currently installed applications. Once migrated additional OpenServer applications may be installed normally but the OpenServer environment itself should be considered frozen since upgrading is not currently supported.

The Full version provides a fresh OpenServer 5.0.7 image for installation on UnixWare 7.1.4. This option is a good choice for customers who want to move a limited number of applications and also move to the latest release of OpenServer under UnixWare. After installing the fresh OSR5.0.7 image, selected individual applications must be installed separately as they would be on an OSR5.0.7 system. Customers choosing to use the Full version of OKP will need to obtain a license which may be ordered separately as indicated in Section 9 below.

More details on using OKP may be obtained by downloading a PDF version of the OKP White Paper available at <http://www.sco.com/products/unixware713/>.

## **8 UnixWare and OpenServer Development Kit (UDK) Release 7.1.4**

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The Release 7.1.4 UnixWare and OpenServer Development Kit (UDK) contains C and C++ compilers and the graphical debug tool that enables the rapid development of applications for UnixWare Release 7.1.4. Key features of the new development kit include: extensive Java 2 development tools; virtually complete conformance to the ISO/IEC 14882:1998 C++ Standard and the ISO/IEC 9899:1999 C Standard; C++ standard library; enhanced math library; enhanced graphical debugger; new tool to diagnose dynamic memory allocation errors on UnixWare 7.1.4.

This kit can be used to develop applications that can also be deployed on UnixWare 7.1.3, UnixWare 7.1.2 (OU8) and UnixWare 7.1.1. The Compatibility Modules for SCO OpenServer™ continue to be supported with this development kit. The new kit can also be used to create binaries for SCO OpenServer Release 5.0.6 and Release 5.0.7. Details on using this feature are provided in the release notes. The new UDK may be installed on a UnixWare 7.1.4, UnixWare 7.1.3, UnixWare 7.1.2 (OU8), UnixWare 7.1.1, OpenServer 5.0.6 or an OpenServer 5.0.7 system as a free upgrade if the UnixWare and OpenServer Development Kit has been licensed on the system; otherwise a license key for the UDK will be required.

The new kit includes the Java™ 2 Standard Edition Version 1.4.2 SDK. This toolkit is a powerful development environment that is portable, object oriented, platform independent, and especially well suited for developing Internet-enabled applications. The new kit includes the Java 2 Standard Edition Version 1.4.2 SDK which includes the Java compiler, interpreter, classes, runtime environment and Netscape Java plug-in module.

Also included is Release 2.0.4 of the supported Open Source Tool Kit. This tool kit includes the GNU Tool Chain including a set of compilers, debugger, object tools, libraries and other open source tools that can be used to develop, enhance and compile UNIX programs for use on UnixWare 7.1.4, UnixWare 7.1.3, UnixWare 7.1.2 (OU8) and UnixWare 7.1.1.

## **9 New SCOx Components for UnixWare 7.1.4**

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The SCOx Web Services Substrate (WSS) is included on a separate CDROM in the UnixWare 7.1.4 Media Kit. Watch for a separate Product Announcement for details on this new product. Highlights follow:

The SCOx Web Services Substrate is the foundation for creating modern Web Service-based applications and Service-Oriented Architectures (SOA). The WSS works on top of existing console-based applications and relational databases and is specifically designed to integrate with new applications and architectures written in Microsoft .NET, Sun Java or any Web Services environment.

The WSS enables any company to leverage its existing investment in legacy applications and SQL databases by utilizing the Ericom PowerTerm Host Publisher, for encapsulating host sessions, and SCO SQL Encapsulator to transform existing system data into modern Web Services components. Through these newly created Web Services components, companies can then begin to create Service-Oriented Architectures that easily integrate data — regardless of its origin — with any other system, faster and simpler than any other offering. The WSS then provides SCO WebFace to front-end the Web Services components to create a feature-rich, browser-based Graphical User Interface (GUI) that displays and updates the data originating from the company's console applications and/or SQL databases.

The SCOx enablement packages formerly included on a separate CDROM in SCO Update are now included on CD-2.

SCO's ongoing partnership with Ericom Software, announced at SCO Forum 2003, now includes the provision of an evaluation CDROM in the UnixWare 7.1.4 media kit with Ericom's PowerTerm host connectivity and server based computing solutions. Watch for a full description of this evaluation CDROM in the upcoming Product Announcement for the SCOx Web Services Substrate, due out soon.

## 10 Model Numbers and Pricing

The following tables summarize the new Model Numbers and associated pricing being introduced in this announcement.

<b>UnixWare 7.1.4</b>			
<b>Media and 60-Day Evaluation Kits</b>	<b>Media</b>	<b>Model Number</b>	<b>US\$ List</b>
May 2004 Release 7.1.4 English Version	CD-ROM	CA400-UW04-7.1.4	99
May 2004 Release 7.1.4 French Version	CD-ROM	CA400-UW04F-7.1.4	99
May 2004 Release 7.1.4 German Version	CD-ROM	CA400-UW04G-7.1.4	99
May 2004 Release 7.1.4 Spanish Version	CD-ROM	CA400-UW04S-7.1.4	99
May 2004 Release 7.1.4 Compact Version	CD-ROM	CA480-UW09-7.1.4	25

<b>Demonstration Licenses</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
10-User Demonstration Pack (Not For Resale)	DA400-UW00-7.1.4	DA400-UW00W-7.1.4	65

<b>UnixWare 7.1.4 Editions</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
<b>Small Business Edition 1-User, 1Gb, 1-CPU</b>	LA440-UW00-7.1.4	LA440-UW00W-7.1.4	599
Base Edition 1-User, <b>2Gb</b> , 1-CPU	LA420-UW00-7.1.4	LA420-UW00W-7.1.4	799
Business Edition <b>10-User</b> , 4Gb, <b>4-CPU</b>	LA430-UW00-7.1.4	LA430-UW00W-7.1.4	1,399
Departmental Edition 25-User, <b>8Gb</b> , <b>4-CPU</b>	LA470-UW00-7.1.4	LA470-UW00W-7.1.4	2,299
Enterprise Edition 50-User, 16Gb, ODM, <b>6-CPU</b>	LA460-UW00-7.1.4	LA460-UW00W-7.1.4	4,999
Data Center Edition 150-User, 32Gb, ODM, 8-CPU	LA410-UW00-7.1.4	LA410-UW00W-7.1.4	9,999

<b>UnixWare 7.1.4 Editions Plus SCO Update*</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
Small Business Edition 7.1.4 with SCO Update	LB440-UW00-7.1.4	LB440-UW00W-7.1.4	\$719
Base Edition 7.1.4 with SCO Update	LB420-UW00-7.1.4	LB420-UW00W-7.1.4	\$959
Business Edition 7.1.4 with SCO Update	LB430-UW00-7.1.4	LB430-UW00W-7.1.4	\$1,679
Departmental Edition 7.1.4 with SCO Update	LB470-UW00-7.1.4	LB470-UW00W-7.1.4	\$2,759
Enterprise Edition 7.1.4 with SCO Update	LB460-UW00-7.1.4	LB460-UW00W-7.1.4	\$5,999
Data Center Edition 7.1.4 with SCO Update	LB410-UW00-7.1.4	LB410-UW00W-7.1.4	\$11,999

\* Standard Edition Licenses with SCO Update bundled in.

<b>SCO Update Add-On Licenses For UW 7.1.4 **</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
SCO Update for UnixWare 7.1.4 Small Business Edition	WU440-UW00-7.1.4	WU440-UW00W-7.1.4	\$149
SCO Update for UnixWare 7.1.4 Base Edition	WU420-UW00-7.1.4	WU420-UW00W-7.1.4	\$199
SCO Update for UnixWare 7.1.4 Business Edition	WU430-UW00-7.1.4	WU430-UW00W-7.1.4	\$349
SCO Update for UnixWare 7.1.4 Departmental Ed.	WU470-UW00-7.1.4	WU470-UW00W-7.1.4	\$569
SCO Update for UnixWare 7.1.4 Enterprise Edition	WU460-UW00-7.1.4	WU460-UW00W-7.1.4	\$1,249
SCO Update for UnixWare 7.1.4 Data Center Ed.	WU410-UW00-7.1.4	WU410-UW00W-7.1.4	\$2,499

\*\* These Licenses are Edition specific and may only be installed on a system with the matching Edition License.

<b>SCO Update CD Distribution Licenses</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
SCO Update CD Option For UnixWare 7.1.4	WU400-CD00-7.1.4	WU400-CD00W-7.1.4	<b>\$249</b>

<b>Additional User Licenses for UnixWare 7.1.4</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
10 Additional User License*	LA413-0010-7.1.4	LA413-0010W-7.1.4	\$499
25 Additional User License*	LA413-0025-7.1.4	LA413-0025W-7.1.4	\$1,199
100 Additional User License*	LA413-0100-7.1.4	LA413-0100W-7.1.4	\$4,699
500 Additional User License*	LA413-0500-7.1.4	LA413-0500W-7.1.4	\$22,999
Unlimited User License*	LA413-U000-7.1.4	LA413-U000W-7.1.4	\$24,999
5 Additional User License for Small Business Edition Only	LA413-SB05-7.1.4	LA413-SB05W-7.1.4	\$499

\* - Standard Additional User Licenses are not applicable for the Small Business Edition

<b>Additional Licenses for UnixWare 7.1.4</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
Additional Processor Upgrade	LA413-UW00-7.1.4	LA413-UW00W-7.1.4	\$1,499
Up to 4 Gbytes Memory	LA414-0004-7.1.4	LA414-0004W-7.1.4	\$499
Up to 16 Gbytes Memory	LA414-0016-7.1.4	LA414-0016W-7.1.4	\$999
Up to 32 Gbytes Memory	LA414-0032-7.1.4	LA414-0032W-7.1.4	\$1,999
Up to 64 Gbytes Memory	LA414-0064-7.1.4	LA414-0064W-7.1.4	\$3,999

<b>OpenServer Kernel Personality (OKP) Licenses</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
OKP Lite – Migration Version Activation Key	On CD	N/A	NO FEE
OKP Full – Includes Fresh OSR5.0.7 Image	LA417-UW00-1.0	LA417-UW00W-1.0	\$249

<b>UnixWare and OpenServer Development Kit License</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
UDK Version 7.1.4	LA405-UW00-7.1.4	LA405-UW00W-7.1.4	\$599

## Optional Services Licenses

<b>Merge Release 5.3</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
Server Version License 5-User	LA037-UW00-5.3	LA037-UW00W-5.3	\$1,349
Desktop Version License	LB037-UW00-5.3	LB037-UW00W-5.3	\$399
Additional 10-User License	LB037-0010-5.3	LB037-0010W-5.3	\$999
Additional 25-User License	LB037-0025-5.3	LB037-0025W-5.3	\$2,499
Server Trade-in from Merge 4.x, 5.1	UA037-UW00-5.3	UA037-UW00W-5.3	\$849
Desktop Trade-in from Merge 4.x, 5.1	UB037-UW00-5.3	UB037-UW00W-5.3	\$289

<b>Data Management</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
Online Data Manager 3.2 License	LA415-UW70-3.2	LA415-UW70W-3.2	\$999
Disk Mirroring 3.2 License	LA416-UW70-3.2	LA416-UW70W-3.2	\$495

<b>Reliant® HA 1.1.4</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
Single Server License	LA490-0001-1.1	LA490-0001W-1.1	\$2,999

<b>Special Reliant® HA Bundles</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
2-Node Bundle for UnixWare 7.1.4	LB490-UW00-7.1.4	LB490-UW00W-7.1.4	\$5,799

Includes two (2) UnixWare 7.1.3 Business Edition operating system licenses and two (2) ReliantHA Single Server licenses.

2-Node Bundle for UnixWare 7.1.4 With SCO Update	LC490-UW00-7.1.4	LC490-UW00W-7.1.4	\$6,359
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Includes two (2) UnixWare 7.1.4 Business Edition operating system licenses with SCO Update and two (2) ReliantHA Single Server licenses.

<b>Advanced File and Print Server 4.0</b>	<b>License Pack</b>	<b>Web License</b>	<b>US\$ List</b>
5-User Base Package	LU077-UW70-4.0	LU077-UW70W-4.0	\$395
10-User License	LU077-0010-4.0	LU077-0010W-4.0	\$425
25-User License	LU077-0025-4.0	LU077-0025W-4.0	\$1,075
Unlimited-User License	LU077-U000-4.0	LU077-U000W-4.0	\$2,595

## 11 New Optional Bundled Support

UnixWare 7.1.4 introduces optional support bundles providing customers with the convenience to purchase product bundled with basic break-fix support at reasonable cost. The service is designed to offer a streamlined low cost option with built-in flexibility. It allows for the ability to either add individual components to tailor customers' business requirements, or, upgrade to one of the higher end options available from SCO's award winning Support Services.

The support bundled with selected UnixWare 7.1.4 Editions includes the following services:

- Traditional "Break-Fix" support for 6 months
- Per Installation/server
- 4 Business Hour Response

- Phone, E-mail, Fax or Web – Option to Uplift
- Two Authorized Technical Contacts

Customers wishing to add to the bundled services have the following options:

- 24 X 7 Emergency Service
- Retired Products
- One Business Hour Response Time
- Layered Product Add-on
- Upgrades to TEAM, SoftTech or SofTech Plus

Bundled support is available with select UnixWare Editions as well as those Editions with SCO Update. The new model numbers and pricing for those Editions including bundled support are as follows:

UnixWare 7.1.4 Editions With Bundled Support*	License Pack	Web License	US\$ List
Small Business Edition 1-User, 1Gb, 1-CPU Plus Support	LA442-UW00-7.1.4	LA442-UW00W-7.1.4	\$2,224
Base Edition 1-User, 2Gb, 1-CPU Plus Support	LA422-UW00-7.1.4	LA422-UW00W-7.1.4	\$2,424
Business Edition 10-User, 4Gb, 4-CPU Plus Support	LA432-UW00-7.1.4	LA432-UW00W-7.1.4	\$3,024
Departmental Edition 25-User, 8Gb, 4-CPU Plus Support	LA472-UW00-7.1.4	LA472-UW00W-7.1.4	\$3,924
Enterprise Edition 50-User, 16Gb, ODM, 6-CPU Plus Support	LA462-UW00-7.1.4	LA462-UW00W-7.1.4	\$6,624

\* Standard Edition Licenses with 6 months of SCO Support bundled in.

UnixWare 7.1.4 Editions Plus SCO Update & Support*	License Pack	Web License	US\$ List
Small Business Edition 7.1.4 with SCO Update & Support	LB442-UW00-7.1.4	LB442-UW00W-7.1.4	\$2,344
Base Edition 7.1.4 with SCO Update and Support	LB422-UW00-7.1.4	LB422-UW00W-7.1.4	\$2,584
Business Edition 7.1.4 with SCO Update and Support	LB432-UW00-7.1.4	LB432-UW00W-7.1.4	\$3,304
Departmental Edition 7.1.4 with SCO Update and Support	LB472-UW00-7.1.4	LB472-UW00W-7.1.4	\$4,384
Enterprise Edition 7.1.4 with SCO Update and Support	LB462-UW00-7.1.4	LB462-UW00W-7.1.4	\$7,624

\* Standard Edition Licenses with SCO Update and 6 months of SCO support bundled in.

## 12 Upgrades and Trade-Ins

The UnixWare 7.1.4 Media Kit is designed to support direct upgrades from a UnixWare 7.1.3, UnixWare 7.1.2 (Open UNIX 8) or UnixWare Release 7.1.1 system. For UnixWare 7.1.4, upgrade licenses are “Edition Sensitive” meaning that the correct license is required which corresponds to the Edition being upgraded.

Two separate upgrade licenses are available; one for upgrades from UnixWare 7.1.3 or 7.1.2 (OU8) systems and one for UnixWare 7.1.1 systems. When upgrading to UnixWare 7.1.4, your system will be licensed for the same Edition and the new default levels for Users, CPUs and Memory. During the upgrade process all valid add-on licenses already installed will be retained on the upgraded system. These include additional users, CPUs, memory upgrades, optional services components, the UnixWare and OpenServer Development Kit or Open UNIX Development Kit and components licensed with UnixWare 7.1.1 which are no longer included with UnixWare 7.1.4. For example a 15 user (5 default plus a 10-user add-on license) UnixWare 7.1.1 Business Edition after application of the UnixWare 7.1.4 upgrade will be licensed for 20 users (new default of 10 plus the 10-user add-on).

In order to upgrade systems from UnixWare 7.1.0, customers will need to use the Release 7.1.1 Media Kit to first upgrade to Release 7.1.1 and then upgrade to UnixWare 7.1.4 using the UnixWare 7.1.4 Media Kit and Upgrade License.

Customers desiring to upgrade from UnixWare Release 7.0.x systems may do so by first using the Release 7.1.1 media kit to upgrade to Release 7.1.1 and then upgrade to UnixWare 7.1.4. They will be required to enter both the upgrade license required for upgrading to UnixWare 7.1.1 and the appropriate UnixWare 7.1.4 Edition upgrade license. Alternately they may simply purchase a trade-in license.

## UnixWare Release 7.1.4 Upgrades - These are now Edition Specific

Upgrades to UnixWare 7.1.4 from UnixWare 7.1.3 or UnixWare 7.1.2 (Open UNIX 8)	License Pack	Web License	US\$ List
UW714 Base Edition from UW713/2 Base Edition	LX400-4200-7.1.4	LX400-4200W-7.1.4	\$249
UW714 Business Edition from UW713/2 Business Edition	LX400-4300-7.1.4	LX400-4300W-7.1.4	\$349
UW714 Depart. Edition from UW713/2 Depart. Edition	LX400-4700-7.1.4	LX400-4700W-7.1.4	\$569
UW714 Enterprise Edition from UW713/2 Enterprise	LX400-4600-7.1.4	LX400-4600W-7.1.4	\$1,249
UW714 Data Center Ed. from UW713/2 Data Center Ed.	LX400-4100-7.1.4	LX400-4100W-7.1.4	\$2,499

Upgrades to UnixWare 7.1.4 from UnixWare 7.1.1	License Pack	Web License	US\$ List
UW714 Base Edition from UW711 Base Edition	LX400-4201-7.1.4	LX400-4201W-7.1.4	\$399
UW714 Business Edition from UW711 Business Edition	LX400-4301-7.1.4	LX400-4301W-7.1.4	\$449
UW714 Depart. Edition from UW711 Depart. Edition	LX400-4701-7.1.4	LX400-4701W-7.1.4	\$669
UW714 Enterprise Edition from UW711 Enterprise	LX400-4601-7.1.4	LX400-4601W-7.1.4	\$1,349
UW714 Data Center Ed. from UW711 Data Center Ed.	LX400-4101-7.1.4	LX400-4101W-7.1.4	\$2,599

For UnixWare 7.1.4, a single set of trade-in licenses is available for UnixWare 7.0.x, UnixWare 2.x and UnixWare 1.x systems. Trade-in licenses are also available for SCO OpenServer Release 5.0.x Systems. Customers need to purchase the appropriate UnixWare 7.1.4 Edition trade-in license and combinations of User and Processor License Trade-ins for the number of users or CPUs needed to match their current systems...

**Note that all Trade-In licenses will implement the new UnixWare 7.1.4 Edition defaults.**

Previous Customer Trade-Ins (For UW 7.0.x, 2.x or 1.x or OSR5.0.x Customers)	License Pack	Web License	US\$ List
Base (1-User) from UW 7.0.x Base Edition or UW2/1 PE	LX420-UW10-7.1.4	LX420-UW10-7.1.4	\$399
Base (1-User) from OSR5.0.x Desktop	LX420-UW00-7.1.4	LX420-UW00W-7.1.4	\$399
Business (10-User) from UW 7.0.x Business or UW2/1 Application Server	LX430-UW20-7.1.4	LX430-UW20W-7.1.4	\$699
Business (10-User) from OSR5.0.x Multi-user	LX430-UW00-7.1.4	LX430-UW00W-7.1.4	\$699
Departmental (25-User) from UW7.0.x Departmental, UW2/1 AS, or OSR5.0.x 15 Users	LX470-UW00-7.1.4	LX470-UW00W-7.1.4	\$1,199
Enterprise (50-User) from UW7.0.x Enterprise, UW2/1 Application Server or OSR5.0.x Enterprise	LX460-UW00-7.1.4	LX460-UW00W-7.1.4	\$3,099

Add-On Trade-In Licenses (Applicable to UnixWare and OpenServer Trades)	License Pack	Web License	US\$ List
10-User from 10 or more users	LX413-0010-7.1.4	LX413-0010W-7.1.4	\$199
25-User from 25 or more users	LX413-0025-7.1.4	LX413-0025W-7.1.4	\$475
100-User from 100 or more users	LX413-0100-7.1.4	LX413-0100W-7.1.4	\$1,850
500-User from 500 or more users	LX413-0500-7.1.4	LX413-0500W-7.1.4	\$7,999
Additional Processor Upgrade	LX413-UW00-7.1.4	LX413-UW00W-7.1.4	\$599

## 13 Media Kit Contents

The UnixWare 7.1.4 product is available in both the Standard Media Kit and the Compact Media Kit. Both Media Kits include the core set of UnixWare 7.1.4 software on a set of six (6) CD-ROMs: Base Operating System Installation CD, Base Operating System CD2/ Upgrade CD, Optional Services CD, LKP RPM CD, OpenServer Kernel Personality (OKP) CD and the UnixWare and OpenServer Development Kit CD. **Diskettes are no longer provided in the Media Kit since CD1 may be used for installing HBA images directly and diskette images are also provided for customers who need to create them.**

In addition to the core set of CD-ROMs, the Standard Media Kit also includes a copy of the revised Getting Started Guide which has been updated to include the Installation Roadmap.

The Compact Media Kit includes only the six core CD-ROMs for UnixWare 7.1.4 and is designed to offer a lower cost alternative to the Standard Media Kit. The Compact Media Kit should be considered as an alternative to the Standard Media Kit for Media replacement, low cost promotions and evaluations and for users who do not need hard-copy documentation.

Both the UnixWare 7.1.4 Standard Media Kit and the Compact Media Kit provide fully localized operating system versions for English, German, French and Spanish including locales, keyboard and printer configurations, translated system messages, user interfaces and localized online documentation. Locales, printer configurations and keyboard mappings exist for many other languages as well. The English, French, German and Spanish versions of the Standard Media Kits include appropriate localized hard copy documentation.

As an aide to current UnixWare 7.1.3 customers, areas where this new Media Kit has been changed from the UnixWare 7.1.3 Media Kit are marked accordingly.

The UnixWare 7.1.4 Media Kit contains the following:

<b>UnixWare 7.1.3 Diskettes (Deleted)</b>	Two 3.5" UnixWare Boot Diskettes	<b>DELETED</b>
	Two 3.5" UnixWare Host Bus Adapter Diskettes	<b>DELETED</b>
<b>UnixWare 7.1.4 Base Operating System Installation CD-1 (Both Media Kits)</b>	UnixWare Release 7.1.4 Operating System	<b>Updated</b>
	Documentation Set	<b>Updated</b>
	Localized Documentation	<b>Updated</b>
	Images for creating boot, network install and HBA diskettes	<b>Updated</b>
	Embedded HBA Installation CD	<b>NEW</b>
	Online Data Manager Release 3.2	Unchanged
	Disk Mirroring Release 3.2	Unchanged
/info Files	<b>Updated</b>	
<b>UnixWare 7.1.4 Base Operating System/ Upgrade CD-2 (Both Media Kits)</b>	Native Mozilla Browser Version 1.2.1	<b>NEW</b>
	Common UNIX Print System (CUPS) 1.1.19	<b>NEW</b>
	Gimp-Print 4.2.5 and GhostScript 7.05.6	<b>NEW</b>
	PostgreSQL 7.4.2	<b>NEW</b>
	Java 2 Standard Edition SDK Release 1.4.2	<b>NEW</b>
	Java 2 Standard Edition SDK Release 1.3.1	<b>Updated</b>
	Java Communications API - javaxcomm V2.0	<b>NEW</b>
	Netscape Communicator™ 4.61	<b>DELETED</b>
	Documentation Packages for Upgrade from UnixWare 7.1.1 through UnixWare 7.1.3 Systems	<b>Updated</b>
	Upgrade Wizard for UnixWare 7.1.1 through UnixWare 7.1.3 Systems	<b>Updated</b>
	Update Set (includes the update714 package) for UnixWare 7.1.1through UnixWare 7.1.3 Systems	<b>Updated</b>
	Open Source Components: Apache 1.3.29 OpenSLP 1.06a, OpenSSH 3.7.1p2, OpenSSL 0.9.7c, OpenSLP 1.06a, zlib 1.2.1, Perl 5.004_05 and Perl 5.8.3	<b>Updated</b>
	Open Source Components: Samba 3.0.0, Squid 2.4.STABLE7, and OpenLDAP 2.1.22	<b>NEW</b>
	Open Source Components Documentation	<b>Updated</b>
	Graphics Drivers Update Package 7.1.4	<b>Updated</b>
	Cdrtools 2.01a27	<b>Updated</b>
	Host Bus Adapters Packages 7.1.4	<b>Updated</b>
	Network Drivers Update Package 7.1.3	<b>Updated</b>
	OSF Motif Runtime Environment Update 7.1.4	Unchanged
	Base X Runtime 7.1.4	<b>Updated</b>
	X Server 7.1.4	<b>Updated</b>
	Linux Kernel Personality (LKP)	Unchanged
	LKP Documentation Set	Unchanged
	Desktop Management Interface (DMI) Package 2.0.1	Unchanged
	Enhanced Event Logging Package Release 7.1.1	Unchanged
	Network User License Monitor (nulmon)	<b>DELETED</b>
	SCOx Web Services Infrastructure Components	<b>NEW</b>
Compaq Hot-Plug Driver 7.38a and Intel Hot-Plug Driver 7.20	<b>Updated</b>	

	/info Files	<b>Updated</b>
<b>UnixWare 7.1.4 Optional Services CD-ROM</b> (Both Media Kits)	NetTraverse Merge Release 5.3.26c	<b>Updated</b>
	Advanced File and Print Server 4.0.2a	<b>Updated</b>
	ReliantHA Release 1.1.4	<b>Updated</b>
	/info Files	<b>Updated</b>
<b>UnixWare 7.1.4 LKP RPM CD</b> (Both Media Kits)	RPM set required for LKP	Unchanged
<b>OpenServer Kernel Personality (OKP) CD</b> (Both Media Kits)	OKP Readme File with No charge Lite license	<b>NEW</b>
	OKP Package Set with OKP Package, Xenix Emulation, OKP Documentation	<b>NEW</b>
	OSR5.0.7 Image File	<b>NEW</b>

<b>UnixWare and OpenServer Development Kit CD-ROM</b> (Both Media Kits)	UnixWare Development Kit 7.1.4	<b>Updated</b>
	OpenServer Compatibility Modules	<b>Updated</b>
	Memtool	<b>Updated</b>
	Java 2 Standard Edition SDK Release 1.4.2	<b>NEW</b>
	Java Communications API - javaxcomm V2.0	<b>NEW</b>
	Open Software Tool Kit 2.0.4	<b>Updated</b>
<b>Hardcopy Documentation</b> (Standard Media Kit only)	UnixWare Release 7.1.4 Getting Started Guide (Includes Installation Roadmap)	<b>Updated</b>

<b>SCOx Web Services Substrate CD</b>	Software for enhancing access to host terminal sessions and databases via web browsers.	<b>NEW</b>
<b>PowerTerm Connectivity Solutions Evaluation CD</b>	An introduction to SCO Partner Ericom Software and access to evaluation copies of their PowerTerm host connectivity and server based computing solutions.	<b>NEW</b>

## 14 SCO Global Services

SCO's award-winning Global Services offer a complete portfolio of world-wide services on SCO's full range of software products, allowing customers powerful choices based on business requirements.

### Technical Support

SCO offers a wide array of technical support services ranging from business critical, 24x7 after-hours offerings to traditional support services covering all products and customer types from partners to end users. In addition, SCO support services are available to partners for their own use and resale.

SCO TEAM Support is designed for corporate customers requiring immediate, high-level, technical support. Included with TEAM is an assigned senior technical account manager to your company, responsible for assuring successful solution implementation and ongoing support for your SCO systems.

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 one-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.

### PROFESSIONAL SERVICES

SCO's Professional Services offer a full suite of consulting services ranging from server deployment and management, migration and web services to customized solutions. For more information on Professional Services, visit <http://www.sco.com/consulting>, or contact your local SCO sales representative.

For more information on SCO Global Services, call:

- In the Americas, phone 1-800-726-6561 or 1-831-427-6722
- Outside of the Americas, phone +353 1260 6333

## ONLINE SUPPORT SERVICES

Self-Help Support SCO also provides extensive 24x7 Self-Help technical support services on SCO products, including installation and configuration support through an easy-to-use, single Web view. The Self-Help Web site is located at: [www.SCO.com/support/self\\_help.html](http://www.SCO.com/support/self_help.html).

## 15 System Requirements

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The hardware that you will need to support an installation of UnixWare will vary depending on the installation options you choose. All installations have the following minimum requirements:

### Processor:

At least one Intel Pentium or AMD microprocessor (including Opteron in 32-bit mode), or a microprocessor that is 100 percent compatible with the same. Many installations will require a 100MHz (or faster) processor for better performance. Systems running Merge from the Optional Services CD should have a 200MHz or faster processor.

### Architecture:

Conformance to the Industry Standard Architecture (ISA) (also called an AT bus), Extended Industry Standard Architecture (EISA), Peripheral Component Interface (PCI), or Intelligent Input/Output (I2O) standards.

### Memory:

32MB or more of RAM (Random Access Memory). For optimal CDE and Java performance 128MB of RAM is required. Performance is enhanced as more RAM is added.

### Disk size and partitions:

A hard disk of 1GB or larger is recommended. Small footprint installations can run on partitions as small as 500MB. IDE disk drives up to 1TB are supported; there is no limit on the SCSI disk drive capacity. Other installation types can run on a UNIX partition of 500MB or larger. To install all runtime CD packages included in the media kit, at least 3.0GB of disk space will be needed, as follows:

- 1.3GB for the Base Operating System CDs (CD #1 and #2)
- 52MB for the Optional Services CD (CD #3)
- 1.5GB for the Linux RPM CD (CD #4)
- With this release of UnixWare, the UNIX boot partition for a large capacity hard drive can begin above the 8GB boundary. The system uses extended BIOS calls to overcome previous release constraints (where the UNIX boot partition was required to begin below cylinder 1024 of the boot disk and within the first 8GB).

Additional space will be needed for data and user files.

### Mouse:

A serial, USB, or PS/2-compatible mouse is recommended to access all graphical desktop functionality.

### HBA:

At least 1 Host Bus Adapter (HBA) is required, and up to 32 HBAs are supported by default. Additional HBAs (up to a maximum of 1024) can be added; however, the driver for any HBA added above 32 must support such a configuration.

### Video:

A Super VGA monitor and video adapter capable of at least 1024x768 resolution is required to run the graphical desktop. Systems running Merge from the Optional Services CD will require a 1280x1024 16-bit (or better) graphics adapter. The graphics adapter used during a fresh installation must have an IBM VGA compatible mode.

### Network Card:

A Network Interface Card (NIC) is only required for installation if you are performing a Network Install. At least 1 NIC is required for networking; up to 4 NICs of the same manufacturer and model can be connected at one time.

**Media devices:**

A 3.5-inch diskette drive for booting the UnixWare system and installing additional software is required if:

- you want to perform an installation from the media kit CD-ROMs and your system does not support bootable CD-ROMs.
- you need to install vendor-supplied software (such as device drivers) from diskettes
- you want to perform a network install, and your networking card does not support the PXE boot standard. Installing on such a system requires using the Network Installation Diskettes.

One of the following installation media devices is required:

- a CD-ROM drive for installation from media kit CD-ROMs
- a supported network adapter, and a preconfigured network installation server, for network installation

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