Chapter 3

Updating your system

You can install UnixWare 7.0.1 in one of two ways: as a full (destructive) installation, or as updates to your previously installed UnixWare 7 system.

NOTE For information on performing a full installation, see the Chapter 1 of these *Release Notes* and the *Installation Guide*.

All UnixWare 7.0.1 update packages are located on the UnixWare 7.0.1 Operating System Updates CD-ROM (Disk 2 of 3).

To update your previously installed UnixWare system with UnixWare 7.0.1 update packages:

1. Verify that your system's hardware and software is suitable for the update (page 30).
2. Install the update701 package if it has not already been installed, then reboot the system (page 31).
3. Install other desired update packages in this order (page 32):
   - One or more host bus adapter drivers.
   - Audio drivers.
   - Graphics drivers.
   - Network drivers.
   - English-language SCOhelp documentation and manual pages.
   - Localized SCOhelp documentation.
4. Install any desired software from the UnixWare 7.0.1 Optional Services CD-ROM (Disk 3 of 3).

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Update 7.0.1 installation requirements

To install the update packages from the UnixWare 7.0.1 Operating System Updates CD-ROM, your system must have one of the following operating systems installed:

- UnixWare 7.0.0s
- UnixWare 7.0.0t
- UnixWare 7.0.0u

These updates do not change the base hardware requirements described in the *Installation Guide*, but each update package does have a disk space requirement that must be satisfied for its installation to succeed:

Package	Space required (MB)
BASEdoc	27
BASEman	17
audio	1
basex	2.5
cpqhpcd	.05
deBASEdoc	4
esBASEdoc	4
frBASEdoc	4
hba drivers	0.1
nics	5
update701	45
xclients	1.5
xdrivers	5
xserver	7

NOTE The space required by the installation is usually larger than the space needed by the software after installation.

If space is at a premium, install your packages one at a time rather than simultaneously.

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Installing the update701 package

The update701 package contains many enhancements to the base operating system as detailed in Appendix B, "New features and enhancements" (page 107).

NOTE When you install update701, only those components already installed on your system are updated. If you later install additional components from the UnixWare 7.0.1 Installation CD-ROM, you should re-install the update701 package to ensure that all fixes and enhancements are correctly applied.

To install the update701 package:

1. Log in to the system as *root*.
2. Bring the system down to single user mode by entering:

   shutdown -y -g300 -i1

   This gives your users 5 minutes to log off the system.
3. After the system comes down, log in to the system as *root* at the console login prompt.
4. Insert the UnixWare 7.0.1 Operating System Updates CD-ROM into the CD-ROM drive.
5. Enter:

   pkgadd -d cdrom1 update701

   Messages appear as the software loads.
6. After the software loads, reboot the system to reflect changes to the kernel. Enter:

   init 6

After you install the update701 package, you should install any other desired updates from this CD-ROM before installing any products from the Optional Services or other CD-ROMs. For more details, see the following section.

NOTE Installing the update701 package temporarily disables domestic encryption capabilities. For more information and a workaround to this problem, see "Domestic encryption" (page 81).

Installing other updates

Installation of other updates on the Operating System Updates CD-ROM requires that you first install update701 (page 31).

To install other updates:

1. Log in to the system as *root*.
2. Insert the UnixWare 7.0.1 Operating System Updates CD-ROM into the CD-ROM drive.
3. From either the CDE console or a graphical **xterm** window, enter:

   scoadmin application installer

   The **Application Installer** main window appears.
4. Select CD-ROM_1 from the **Install From** menu.

   The list of sets and packages found on this CD-ROM appear.
5. Click on the icon of the package or set you want to install, then press **Install**.

   Messages appear as the software loads.

   Repeat this step for each package or set you want to install.
6. When finished installing software, select **Actions** ➪ **Exit** to exit the **Application Installer**.
7. **If you installed one or more drivers from the HBA set**, reboot the system to reflect changes to the kernel. Enter:

   shutdown -y -g300 -i6

   This gives your users 5 minutes to log off of the system before it reboots.

The following update packages are available:

BASEdoc and BASEman
: The **BASEdoc** and **BASEman** packages update the SCOhelp topics and manual pages, respectively, to reflect UnixWare 7.0.1 software. These packages also contain enhanced documentation in many areas of the product, specifically in the areas of network and system administration.

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audio The **audio** package contains drivers for all supported audio adapters, including new support for the following:

Creative Labs SB AWE64 PnP (Type 2-CTL00C1)
Creative Labs SB AWE64 Pnp (Type 3-CTL00C3)
Creative Labs SB AWE64 PnP (Type 5-CTL00E4)
Creative Labs SB 32/AWE Pnp (Type 3-CTL0048)
Creative Labs SB 32/AWE Pnp (Type 4-CTL0042)
Creative Labs SB 32/AWE Pnp (Type 5-CTL0043)
Creative Labs SB 32/AWE PnP (Type 6-CTL0047)
Creative Labs SB ViBRA16CL PnP (CTL0080)
ESS ES1868 Plug and Play AudioDriver(ESS1868)
ESS ES1869 Plug and Play AudioDrive (Type 1-ESS1869)
ESS ES1869 Plug and Play AudioDrive (Type 2-ESS0003)
ESS ES1878 Plug and Play AudioDrive (ESS1878)
Maxi sound 64 / Home Studio 64 (audio only) (MAXI64)

basex, xclients, xdrivers, xserver

The **basex**, **xclients**, and **xserver** packages contain optimizations and enhancements to the X server, graphical libraries (*libX11.so* and *libICE.so*), **Video Configuration Manager**, **xdm**, and other aspects of the Graphical Environment.

The **xdrivers** package contains drivers for all supported graphics adapters, including new or updated support for the following:

r3p driver

ATI RAGE PRO PCI and AGP chipset based adapters
ATI Xpert@Play (RAGE PRO)
ATI Xpert@Work (RAGE PRO)
ATI All-In-Wonder PRO (RAGE PRO)

m64 driver

ATI Mach64 PCI (VT/GT) RAGE/II/II+/IIC chipset based adapters
ATI 3D Charger

mil driver

Matrox Millennium I PCI and II PCI and AGP

cpqhpcd

The **cpqhpcd** package contains the **hpcd** driver, which supports PCI Hot Plug slots on Compaq Proliant 6500, Proliant 7000, & Proliant 7000 Xeon series machines. Once installed, you can use the SCOadmin Hot Plug Manager, installed as part of the update701 package, to manage PCI devices whose drivers support PCI Hot Plug capabilities (for example, DDI8 based drivers).

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deBASEdoc, esBASEdoc, frBASEdoc

The updated localized documentation packages include updated SCOhelp topics in French (frBASEdoc), German (deBASEdoc), and Spanish (esBASEdoc).

hba (set) A complete set of supported Host Bus Adapter drivers is found in the hba set. This set includes all previously-supported HBA drivers and the following new or updated drivers:

adsb — Adaptec PCI Ultra2 SCSI
adsl — Adaptec PCI SCSI
c8xx — Symbios PCI to SCSI
dak — Mylex DAC960 Array
dtp — DPT SCSI
qlc1020 — QLogic PCI IQ
qlc2100 — QLogic PCI FC

nics The **nics** package contains drivers for all supported network adapters, including new support for the following:

e3H driver

3Com Fast EtherLink XL PCI (3C905B)

dcfx driver

DEC Fast EtherWORKS PCI 10/100 DE500-BA

d21x driver

Digital Semiconductor 21040 10 Ethernet
Digital Semiconductor 21041 10 Ethernet
Digital Semiconductor 21140 10/100 Ethernet
Digital Semiconductor 21143/2 10/100 Ethernet

skfp driver

SysKonnect FDDI PCI adapter SK-5521 (SK-NET FDDI-UP)
SysKonnect FDDI PCI adapter SK-5522 (SK-NET FDDI-UP DAS)
SysKonnect FDDI PCI adapter SK-5541 (SK-NET FDDI-FP)
SysKonnect FDDI PCI adapter SK-5543 (SK-NET FDDI-LP)
SysKonnect FDDI PCI adapter SK-5544 (SK-NET FDDI-LP DAS)
SysKonnect FDDI PCI adapter SK-5821 (SK-NET FDDI-UP64)
SysKonnect FDDI PCI adapter SK-5822 (SK-NET FDDI-UP64 DAS)
SysKonnect FDDI PCI adapter SK-5841 (SK-NET FDDI-FP64)
SysKonnect FDDI PCI adapter SK-5843 (SK-NET FDDI-LP64)
SysKonnect FDDI PCI adapter SK-5844 (SK-NET FDDI-LP64 DAS)

This package also contains a variety of enhancements to previously-supported drivers.

NOTE Additional information about many of these packages appears in the online */info* hierarchy on the UnixWare 7 Operating System Updates CD-ROM:

audio	*/info/audio/readme.txt*
basex	*/info/basex/readme.txt*
cpqhpcd	*/info/cpqhpcd/readme.txt*
hba	*/info/hba/readme.txt*
nics	*/info/nics/readme.txt*
xclients	*/info/xclients/readme.txt*
xdrivers	*/info/xdrivers/readme.txt*
xserver	*/info/xserver/readme.txt*