

**Read Before Installing or Updating  
HP-UX 10.20 Hardware Extensions HWE  
3.0 (April 1999)**

**HP 9000 Computers**



**B3920-90070**

**April 1999**

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## Before You Install . . .

This HP-UX 10.20 Hardware Extension (HWE) 3.0 release is a collection of software that enables the latest HP 9000 hardware upgrades. This April 1999 HWE release enhances HP-UX 10.20 to support the new A180 and A180C servers. In addition, it provides support for new Year 2000 cold-install features.

This ReadMeFirst document contains: Media Kit Contents, Known Problems and a complete List of Patches included in this release.

**Table 0-1**                      **HWE 3.0 Media Kit Contents**

<b>Item</b>	<b>Usage</b>
ReadMe Before Installing or Updating HP-UX 10.20.	Instructions on how to install and update HP-UX 10.20.
<i>ReadMe Before Installing or Updating HP-UX Hardware Extensions HWE 3.0</i> (this document).	Contains information about last minute changes to the HP-UX Hardware Extensions HWE 3.0 release and changes to procedures for install/update. Also contains a list of patches included in this release.
HP-UX 10.20 Hardware Extensions 3.0 Install and Core OS (CD)	Used to boot and install a new system or to update from a previous release.
HP-UX Application Software (CDs)	Application Software
HP-UX Diagnostic/Independent Product Release Media (CD)	Used to apply hardware patches and to install hardware diagnostics.
Information Sheets for Extension Software and HP-UX Diagnostic/Independent Product Release Media	Describes content of Extension Software and HP-UX Diagnostic/Independent Product Release Media.
<i>Installing and Updating Hardware Extensions (HWE) for HP-UX 10.20 (April 1999)</i> (manual)	Contains comprehensive install and update instructions.
HP-UX Extension Software (CDs)	Provided for your convenience for application of 10.x patches.
HP Instant Information for HP-UX Release 10.* (CD)	Contains HP-UX documentation.

**Before You Install . . .**

## **How to Use the HP-UX Media Kit**

1. Read *ReadMe Before Installing or Updating HP-UX Hardware Extensions 3.0* (see Documentation section, below).
2. Read *Installing and Updating Hardware Extensions (HWE) for HP-UX 10.20* (April 1999).
3. Install or update with *HP-UX 10.20 Hardware Extensions 3.0 Install and Core OS CD*.
4. Install the Application CDs, as needed.
5. HP recommends that you install the *HP-UX Diagnostic / Independent Product Release Media*. Refer to the Information Sheet

To access HP-UX information on the *HP Instant Information CD*, load the CD in the CD-ROM drive. On HP-UX, type `/usr/sbin/mount -o cdcase` then follow the instructions in the file `/uxinstall/readme`. On the PC, follow the instructions in the file `\pcinstal\readme.txt`.

## **Web References**

To view Hewlett-Packard Company sites, start here:

<http://www.hp.com>

To obtain information on HP's Year 2000 programs:

<http://www.hp.com/year2000>

For information on HP-UX patches from HP Electronic Support Centers:

<http://us-support.external.hp.com>

<http://europe-support.external.hp.com>

To obtain security information on HP computer systems:

<http://us-support.external.hp.com>

<http://europe-support.external.hp.com>

Send reports of problems to: [security-alert@hp.com](mailto:security-alert@hp.com).

For information and tools for HP-UX 10.20 to 11.0 transition:

<http://www.software.hp.com/stk>

## Documentation

See the following documents for information on the HWE 3.0 (April 1999) release, including the ONC+ Networking Enhancements for HP-UX 10.20 (April 1998) and the previous HP-UX 10.20 Hardware Extensions 2.0 (April 1998):

- *Installing and Updating Hardware Extensions (HWE) for HP-UX 10.20 (April 1999)* HP Part No. B3920-90073.
- The HP Software Depot website:  
<http://www.software.hp.com>
- *Release Notes* (These are found on your system at `/usr/share/doc`, or on the HP Software Depot website.). See these documents for detailed feature information, changes and known problems.
  - *Release Note ONC+ Networking Enhancements for HP-UX 10.20 (April 1998)*. Online as `RelNotesONE.txt`.
  - *Release Note for HP-UX 10.20 Hardware Extensions 3.0 (April 1999)*. Online as `RelNotesHWE.txt`. Includes information on Hardware Extensions 2.0 release (April 1998).
  - To view all the latest HP-UX user documentation, visit:  
<http://docs.hp.com>.

To read the Release Notes for the new euro character, see:

[http://www.hp.com/unixwork/euro/release\\_notes/index.html](http://www.hp.com/unixwork/euro/release_notes/index.html)

## Known Problems

The following are known problems only for the Hardware Extensions 3.0 (April 1999) release.

**1. Symptom:**

**Ignite-UX Problem with A-Class (A180) Installation**

The "A" (A.1.XX) version of Ignite-UX cannot be used to install to an A-class (A180) machine. This problem will be corrected in a future patch. The Web site:

<http://www.software.hp.com/products/IUX/index.html>

will detail when the fix is available and provide the correct Ignite-UX version information.

In the meantime, an HP-UX 11.0 server, running the 11.00 IUX (the "B" version), can be used to successfully install to A-class machines.

**2. Symptom:**

**swverify Error Messages**

Performing a `swverify` on the Networking product on an A180 or A180C machine generates error messages.

Because the A180 and A180C use the `btlan3` driver and not the LAN driver, the `swverify` script for the Networking product produces error messages. The script expects a LAN driver to be configured into `/stand/vmunix`.

You may ignore these error messages.

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## Patch Listings for HWE 3.0 (April 1999)

Hardware Extensions  
HWE 3.0 Software

Patch Name	Description
B7682AA_TEXT	Title for Product B7682AA_TEXT
PHCO_10124	date(1)
PHCO_10175	libc Year 2000 white paper
PHCO_10578	extendfs_hfs fix for very large file systems
PHCO_10947	cumulative libHcurses patch
PHCO_12435	fsck_hfs(1M) cumulative patch
PHCO_14039	Set_parms Year 2000 patch
PHCO_14378	mkboot(1M) and rmboot(1M) patch
PHCO_14598	patch for lif commands
PHCO_14645	libc cumulative header file patch
PHCO_14867	Year 2000 fix for power_onoff
PHCO_14967	sar(1M) cumulative Y2K patch
PHCO_15218	setup(1M) Year 2000 fix (Y2K)
PHCO_15224	locales Y2K patch
PHCO_15384	iconv(1) methods library cumulative patch
PHCO_16194	mc(1m) cumulative patch
PHCO_16340	HP Disk Array Utilities w/AutoRAID Manager
PHCO_16577	Cumulative SAM/ObAM Patch
PHCO_16591	fsck_vxfs(1M) cumulative patch



Patch Listings for HWE 3.0 (April 1999)

Patch Name	Description
PHCO_16612	NetInstall for ACE June '98, plus Year 2000
PHCO_16723	libc cumulative patch
PHCO_16724	lpspool subsystem cumulative patch
PHCO_16752	HPDPS cumulative patch
PHCO_16964	Year 2000 rcs(1) cumulative patch
PHCO_17075	Year 2000 cumulative SCCS(1) patch
PHCO_17189	useradd(1M) cumulative patch
PHCO_17240	10.10 10.20 patch for libportnls.a
PHCO_17275	savecore(1M) cumulative patch
PHCO_17352	ISO8859-15 locales src, binary
PHCO_17353	ISO8859-15 converter tables
PHCO_17389	LVM commands cumulative patch
PHCO_17552	Year 2000 cumulative cron/at/crontab patch
PHCO_17630	Year 2000 nroff(1) cumulative patch
PHCO_17635	HWE 3.0 Release Notes
PHCO_17806	Year 2000 HP-UX Operating System Patch Tool
PHCO_9508	cumulative kermit(1) patch
PHKL_10459	cumulative patch for SystemV semaphores, semop()
PHKL_10461	fix for page unlocking
PHKL_11212	ITE Locking Patch
PHKL_11579	fix "Audio hardware clock dead" panic

Patch Listings for HWE 3.0 (April 1999)

Patch Name	Description
PHKL_11741	fix panic in lpr0 (s800) when lp* procs killed
PHKL_11911	PC floppy cumulative patch
PHKL_12296	Kernel Stack Overflow and performance patch
PHKL_12340	VxFS (JFS) fsck fix and mount perf improvement
PHKL_12514	10.20 Enable MP on systems faster than 214 MHz
PHKL_12568	panic: alloc_from_pool: no I/O message frames
PHKL_13012	fix for panic in proc_close()
PHKL_13044	SCSI Pass-thru Pseudo Driver cumulative patch
PHKL_13583	PCI Mux on wsio cdio,EISA card cumulative patch
PHKL_13612	message queue hang
PHKL_14283	missed wakeup in select/real_sleep
PHKL_14289	illegal vnode op, bad dir on CD_ROM cause panic
PHKL_14376	data page fault from lpmc on PA 2.0 systems
PHKL_14489	cumulative patch for autochanger panics
PHKL_15247	header file conformance for types.h and unistd.h
PHKL_15953	VxFS Quota/Attr. Fix For Panic During Log Replay

Patch Listings for HWE 3.0 (April 1999)

Patch Name	Description
PHKL_15997	PANIC on disquota while executing sendmail
PHKL_16499	fixes: UFS disk leak/UFS small mmap file hang
PHKL_16751	SIG_IGN/SIGCLD,LVM,JFS,PCI/SCSI cumulative patch
PHKL_16862	LVM/FC failover hang
PHKL_16870	datapage fault while moving directories in HFS
PHKL_16898	Flock Manager fix
PHKL_16900	cowcopyfrom can now handle >72 byte copies
PHKL_16919	JFS Corruption, stack overflow panic patch
PHKL_16927	WSIO SCSI cumulative patch
PHKL_16929	alloc_large_page() takes too long, sguard TOC's
PHKL_16957	physical dump devices configuration patch
PHKL_16978	vxfs fix for hang when unlinking "."
PHKL_17013	LOFS cumulative patch
PHKL_17207	fix large buffer write gets VX_ERETRY on JFS
PHKL_17254	correct process hangs on ufs inodes
PHKL_17335	fix device swap problems
PHKL_17500	fix data corruption, diaglogd prob, drvr log issue

Patch Listings for HWE 3.0 (April 1999)

Patch Name	Description
PHKL_17590	diag1 support PCI with subvendor/subsystem inf
PHKL_8377	fix vmtrace bug. Release malloc memory.
PHKL_8694	sys/time.h fix for select(2)/C++ defects
PHKL_8780	panic on GSC/HSC MP machines on kernel semaphore
PHKL_9941	VxFS fsadm resize failure when growing >2Gb
PHNE_12190	rdpd general patch
PHNE_13413	cumulative patch for kernel portion of Telnet
PHNE_13414	cumulative telnetd(1M) patch
PHNE_13597	ftpd(1M) and ftp(1M) cumulative patch
PHNE_13619	r-commands cumulative mega-patch
PHNE_13800	cumulative Mux and Pty Patch
PHNE_13834	NFS Kernel General Release & Performance Patch
PHNE_14975	Streams PTY accumulative patch
PHNE_15203	Streams cumulative patch (includes XTI/TLI)
PHNE_15287	ppl general patch
PHNE_15544	kftpd and kftp patch
PHNE_16188	ping general patch
PHNE_16298	traceroute general patch
PHNE_16692	NetTL, Nettladm cumulative patch
PHNE_16855	mailx(1) cumulative patch

**Patch Listings for HWE 3.0 (April 1999)**

<b>Patch Name</b>	<b>Description</b>
PHNE_17000	LAN products cumulative Patch
PHNE_17097	cumulative ARPA Transport patch
PHNE_17659	built-in PCI 100BASE-T patch
PHNE_6190	cumulative ocd(1M) patch
PHNE_9860	megapatch for elm(1)
PHSS_11136	HP VUE 3.0 BMS 5.X fileset
PHSS_15314	`freedisk' tool Year 2000 patch
PHSS_15380	ld(1) and som tools cumulative patch
PHSS_15389	10.01 10.10 10.20 MILLI cumulative patch
PHSS_15391	dld.sl(5) cumulative patch
PHSS_16585	HP aC++ runtime libraries (aCC A.01.18)
PHSS_16690	LIBCL cumulative patch
PHSS_17155	Xserver cumulative patch
PHSS_17331	X/Motif Runtime Jan 99 Periodic patch
PHSS_17332	Delta XClients Jan 99 Patch
PHSS_17534	X11R6 Font Server Jan 99 cumulative patch
PHSS_17560	Delta CDE msg catalog Feb 99 Patch
PHSS_17566	CDE Runtime Jan 99 Patch

Patch Listings for HWE 3.0 (April 1999)

ONC+ Networking  
Enhancements  
Software

Patch Name	Description
B6379BA_TEXT	Title for Product B6379BA_TEXT
PHCO_13838	tar(1) cumulative patch
PHCO_13839	cumulative fbackup (1M)/frecover (1M) patch
PHCO_13840	cumulative patch for find(1).
PHCO_13841	patch for chmod(1).
PHCO_13842	enhanced bdf(1M) to support AutoFS
PHCO_13844	enhanced du(1) to support NFSv3
PHCO_13845	fsck(1M) support for NFSv3
PHCO_13846	/sbin/is_local_root support for NFSv3
PHCO_13847	mount(1M) cumulative patch
PHCO_13848	mountall(1M) support for NFSv3 and CacheFS
PHCO_13849	umount(1M) support for NFSv3
PHCO_13850	umountall(1M) support for NFSv3
PHCO_14645	libc cumulative header file patch
PHCO_15344	df(1M) cumulative patch
PHCO_16591	fsck_vxfs(1M) cumulative patch
PHCO_16723	libc cumulative patch
PHCO_17389	LVM commands cumulative patch
PHCO_17635	Release Notes cumulative patch (HWE 3.0)

Patch Listings for HWE 3.0 (April 1999)

Patch Name	Description
PHKL_12340	VxFS (JFS) fsck fix and mount perf improvement
PHKL_15186	vasusage, ACE 2 bundle cumulative patch
PHKL_15247	header file conformance for types.h and unistd.h
PHKL_16751	SIG_IGN/SIGCLD,LVM,JFS,PCI/S CSI cumulative patch
PHKL_16957	physical dump devices configuration patch
PHKL_17013	LOFS cumulative patch
PHKL_17254	correct process hangs on ufs inodes
PHKL_8694	sys/time.h fix for select(2)/C++ defects
PHNE_13834	NFS Kernel General Release & Performance Patch
PHNE_13835	NFS/NIS cumulative megapatch
PHNE_13836	nsswitch.conf patch for automounter
PHNE_16692	NetTL, Netladm cumulative patch
PHNE_17097	cumulative ARPA Transport patch

Customer Order Number

**NONE**

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