

**Read Before Installing or Updating
Workstation Additional Core
Enhancements (June 1999)**

HP 9000 Computers



B3782-90741

June 1999

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Before You Install . . .

This Workstation Additional Core Enhancements release consists of two CD-ROMs. The Install/Update/Recovery CD-ROM is the latest version of the install media for HP-UX 10.20 which includes the original HP-UX 10.20 Operating System plus the June 1999 versions of the Additional Core Enhancements (ACE) software and Expert Recovery Tools.

The Workstation Independent Product Release (IPR) CD-ROM contains two depots -- one with on-line diagnostic software for Workstations, the other containing the latest version of the Workstation Quality Pack for HP-UX 10.20 (including all other IPR 10.20 depots). An Instant Information CD is also included (see "Accessing HP-UX Information" below).

How to Use the HP-UX Media Kit

1. Read *Installing or Updating Workstation Additional Core Enhancements for HP-UX 10.20 (June 1999)* (see Documentation section, below).
2. Install or update with HP-UX 10.20 Install and Core OS CD (in the Media Kit). See the *Installing . . .* manual (above) for instructions.
3. Update your system with the June 1999 Quality Pack (strongly recommended).
4. Install applications from the Application CDs, as needed.
5. HP also recommends that you install the *Workstation Independent Product Release Media* (including the Diagnostics software depot).

Accessing HP-UX Information

To access HP-UX information on the HP Instant Information CD, load the CD in the CD-ROM drive. On HP-UX systems, type

```
/usr/sbin/mount -o cdcase
```

then follow the instructions in the file `/uxinstall/readme`. On a PC, follow the instructions in the file `/pcinstal/readme.txt`.

Before You Install . . .

Web References

To view Hewlett-Packard Web sites, start here:

<http://www.hp.com>

To obtain information on HP's Year 2000 Program:

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

To obtain 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 security problems to: security-alert@hp.com.

To obtain information and tools for HP-UX 10.20 to 11.0 transitions:

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

Documentation

See the following documents for information on the ACE (June 1999) release:

- Known problems for this release and a complete listing of patches are documented in the *Read Before Installing...* (this document).
- *Installing and Updating Workstation Additional Core Enhancements for HP-UX 10.20 (June 1999)* HP Part No. B3782-90732 gives complete instructions on how to install this release.
- *Release Notes* (These are found on your system at `/usr/share/doc`, or on the HP Software Depot Web site.). See these documents for detailed feature information and changes from previous releases.
 - *Release Note for Workstation Additional Core Enhancements for HP-UX 10.20 (June 1999)*. Online as `/usr/share/doc/RelNotes10.20ACE.doc`.

These Release Notes are cumulative and contain information on previous Additional Core Enhancement releases (June 1998 and earlier).

- To read the Release Notes for the new euro character, see:
http://www.hp.com/unixwork/euro/release_notes/index.html

- See the HP Software Depot website for more information about the ACE (June 1999) release at: <http://www.software.hp.com>.

To view all the latest HP-UX user documentation, visit:

<http://docs.hp.com>.

Notes on this Release

Bundle Name Change: The name of the Workstation Quality Pack Bundle has been changed from XSW700QPK1020 to 700QPK1020. If the XSW700QPK1020 bundle is currently on your system and you load the current Workstation Quality Pack (700QPK1020), the previous bundle will be visible in a `swlist`. It is neither necessary nor desirable to remove the older XSW700QPK1020 bundle.

Duplicate Patches: Duplicate patches are present on the ACE (June 1999) Workstation Bundle, Networking Bundle and Quality Pack so these bundles can be loaded and used independently. When loading the Quality Pack, after installing the ACE (June 1999) Workstation Bundle, several NOTE/ERROR messages may be generated and placed in the `/var/adm/sw/swagent.log` logfile in one of the following three forms:

```
NOTE: The fileset "PHSS_XXXXX.PHSS_XXXXX,r=B.10.00.00.AA" is
already installed. If you wish to reinstall this fileset,
change the "reinstall" option to "true".
```

```
NOTE: The "checkinstall" script for "PHKL_XXXXX" gave an
"exclude" return (exit code "3"). The script location was
"/SD_CDROM/700QPK1020/catalog/PHKL_XXXX/pfiles/checkinstall".
```

```
ERROR: The patch PHNE_XXXXX is already installed on the system.
To reinstall this patch, deinstall it first before attempting
to reinstall it.
```

Despite these errors, the patches are installed. There is no need to reinstall these patches. In fact, if they ARE reinstalled it will disable your ability to rollback to the previous patch level for that patch.

Known Problems

The following are the known problems only for this Workstation Additional Core Enhancements (June 1999) release.

1. Symptom:

SAM driver description fields are missing.

Cause: When using SAM to add a driver to the kernel, the “description” field for some of the ACE (June 1999) drivers is missing.

The drivers that do NOT have a description are:

| Driver | Description |
|---------|---|
| ScentIf | Built-in Parallel Interface |
| ccio2 | I/O Adapter |
| hcd | Built-in USB Interface Host Controller Driver |
| hid | USB Human Interface Driver |
| hub | USB Interface Root Hub Driver |
| lba | Local PC Bus Module |
| side | Superio IDE Driver |
| siofdc | Built-in Floppy Driver |
| sioflop | HP PC FDC Floppy Driver |

Action: Missing fields and descriptions will be included in a future SAM patch. Check the HP Atlanta Patch Hub.

2. Symptom:

After cold install, dhcpdb2conf gets error.

Cause: After cold installing, the system reboots for the final time and runs set_parms to setup networking. The system received its IP through a DHCP server. Right after booting and right before set_parms is run, the following message is displayed:

```
/sbin/auto_parms, checking network for DHCP
server (see /etc/auto_parms.log)
```

```
dhcpdb2conf(ERR): Couldn't access
/etc/resolv.conf for writing
```

After this, set_parms runs and the system is normal.

Action: This is an extraneous error which can be ignored.

3. Symptom:

Cannot Create A Usable Kernel on NFS Diskless Clients.

Cause: Loading the ACE (June 1999) and Quality Pack bundles in an NFS environment may result in an unbootable kernel. This is because the swcluster(1M) utility forces the reinstall=true option when software is installed in the NFS environment. In this case, the reinstall breaks the dependencies in a Kernel Base patch (PHKL_99136) which results in a bad kernel.

Action: Download the latest version of PHKL_99136 from the ESC or from the HP Atlanta Patch Hub and install it AFTER loading both the Quality Pack and ACE (1999) patch bundles. Then reboot.

4. Symptom:

Support Tool Manager (STM) PCI Information module will not provide any information with the current diag1 driver.

Cause: When the June 1999 IPR/Diagnostic Media is installed with the ACE (June 1999) Workstation release, the Support Tool Manager (STM) PCI Information module will not provide any information with the current diag1 driver. Running a PCI Information module on any PCI interface card will result in the tool ending with an unsuccessful status. The message in the tool activity log will indicate that the diag1 driver needs to be updated.

Action: The correct diag1 driver can be obtained with patch PHKL_17589 (or a superseding patch).

5. Symptom:

Product(s) not contained in a bundle.

Cause: After installing ACE (June 1999), or receiving an Ignited ACE system, WITHOUT the ONC+ Networking Enhancements (the April 1998 B6378CA bundle), there are six patches and one product from the Networking bundle that are installed anyway. You may notice the following message if you run swlist:

```
# Product(s) not contained in a Bundle:
```

Known Problems

```
B6378CA_TEXT ACE.199906.01 Title for Product B6378CA_TEXT
PHCO_14645 B.10.00.00.AA libc cumul. header file patch
PHCO_15344 B.10.00.00.AA df(1M) cumulative patch
PHCO_16723 B.10.00.00.AA libc cumulative patch
PHKL_15185 B.10.00.00.AA vasusage, ACE2 bundle patch
PHKL_15240 B.10.00.00.AA Header file conformance for types
.h and unistd.h
PHKL_8693 B.10.00.00.AA sys/time.h fix for select(2)/C++
defects
```

These products/patches are “unbundled,” that is, not contained within a bundle currently installed on your system. They belong in the Networking bundle.

Fix/Workaround: None. This message occurs only on systems without ONC+ Networking.

6. Symptom:

Executing dd(1) on a CD using raw device and 8K blocks results in error.

Cause: There is a known problem in the IDE/ATAPI CD-ROM driver for the ACE (June 1999) release which causes problems when a dd(1) command is executed with a block size of 8K.

Action: When using dd(1) to read a CD-ROM on the internal drive on the HP VISUALIZE Model B1000, C3000 and J5000 Workstations, specify a block size of 2K when using the character device file for the CD-ROM drive. If it is necessary to use a block size other than 2K, use the block device file for the CD-ROM drive with dd(1).

7. Symptom:

HP SAM does not list IDE floppy devices.

Cause: The SAM “Disks and File Systems” screen, which lists all disk drives, CD-ROM drives and floppy drives, does not list Model B1000, C3000 and J5000 Workstation IDE floppy drives.

Action: Refer to the mediainit(1) man page for instructions on how to format floppy disks from the command line.

8. Symptom:

lanadmin(1M) returns incorrect station address.

Cause: When run interactively, the current version of lanadmin(1M) will return an incorrect permanent (factory) station address of the interface corresponding to NetMgmtID.

Action: To obtain the correct address, run lanscan(1M). If your system or application programmatically depends on this address, use the output from lanscan(1M) for the appropriate values. See the man page for lanadmin(1M) for more information. This problem will be fixed in a future patch.

9. Symptom:

Spurious messages in swagent.log file.

Cause: After cold installing the Workstation ACE (June 1999) software, the /var/adm/sw/swagent.log file may contain:

```
NOTE: The PowerShade product (fileset "SURF3D-RUN") is not
on this system at the time this product is being installed.
Without PowerShade, HP-PEX can only render wireframe images.
See the "Release Information" section of the document, "Read
Me Before Installing or Using HP-PEX," for additional
information.
```

```
/var/ncs: No such file or directory
```

```
chmod: can't access /var/ncs
```

```
WARNING: Failed to modify attributes for "/var/ncs"
```

Action: Despite this spurious message, the swinstall session successfully completes. You may ignore the warning message.

10. Symptom:

POSIX shell interrupt problem.

Cause: The keyboard on HP VISUALIZE Multiprocessor Workstations appears to "hang" and keystrokes are not displayed on the graphics monitor. This occurs when using the Integrated Terminal Emulator (that is, not running X) and sending an interrupt during the execution of a program that outputs characters to the monitor. For example, if you press Ctrl c while a program such as /etc/ping or /usr/sbin/ping is running.

For this to happen, your system must have multiple processors with all processors enabled and you must also be using the default POSIX shell (/sbin/sh).

Action: Reset the shell by pressing the Pause/Break key. Any buffered keystrokes are processed after Pause/Break is pressed.

HP will produce a patch to fix this problem. In the meantime, you can avoid the problem by using a shell other than the default POSIX shell.

Known Problems

11. Symptom:

Using SAM to roll back to previous kernel parameters.

Cause: If, after installing the June 1999 ACE release on your system, you wish to return to a previous set of kernel parameters, do not use SAM to roll back to the old parameters. This will create a new kernel that is unbootable.

Action: To recover a previous set of parameters, interact with the IPL at boot time and use the previous kernel, `vmunix.prev`.

Inadvertent Detaching of Keyboard or Mouse

CAUTION: If you inadvertently unplug either the mouse or keyboard from this system while it is running, you may have to re-start the X-Server without the benefit of either (or both) of these devices.

If the above happens, one alternative is to turn off power to the machine, re-attach and seat all connections and then turn the power back on. However, if cycling the power is not possible or desirable, please follow these instructions to re-start the X-Server.

If the mouse is mistakenly unplugged (and the keyboard is still functional):

1. Re-attach the mouse (use the special “tether” clip on the back of the computer to hold the cable which prevents the connector from being inadvertently disconnected in the future).
2. Press Alt+Tab to toggle between and close all open windows and applications
3. Press Alt+Tab until you are in the CDE menu bar and use the left or right arrow keys to move between CDE controls.
4. When the EXIT control is highlighted, press Enter. This will log you out of the CDE environment. The CDE login screen will appear and the mouse should be functional again.

If the keyboard becomes detached (and the mouse is still functional):

1. Re-attach the keyboard (use the special “tether” clip on the back of the computer to hold the cable which prevents the connector from being inadvertently disconnected in the future).
2. Use the mouse to close all windows/applications (all except previously saved work will be lost).
3. Click the left-mouse button on the EXIT control on the CDE menu bar. This will log you out of the CDE environment. The CDE login screen will then appear and the keyboard should be functional again.

OR

1. Use the mouse to close all open windows/applications.

Inadvertent Detaching of Keyboard or Mouse

2. Click the right mouse button in an open space on the desktop.
3. Select Log Out... from the menu which appears. This will log you out of the CDE environment. The CDE login screen will then appear and the keyboard should be functional again.

If both the mouse and the keyboard are detached and are non-functional:

1. Re-attach both devices (use the special “tether” clip on the back of the computer to hold the cable which prevents the connector from being inadvertently disconnected in the future).
2. `rlogin` to the affected machine from another workstation.
3. From that workstation, execute the following command:

```
ps -ef | grep X
```
4. Look for a line that starts with: `/usr/bin/X11/X. . .` and note the process id (PID) number of that process.
5. Execute the following command:

```
kill -SIGHUP <PID_number_of_X>
```

This will kill the process and log you out of the CDE environment. The CDE login screen will then appear and the keyboard and mouse should be functional again.

Patch Listings for ACE (June 1999)

Workstation
Additional Core
Enhancements (June
1999) Software

| Patch Name | Description |
|------------|--|
| PHCO_10947 | Cumulative libHcurses patch |
| PHCO_13952 | Upgrade utilities for B180, C200, J2240 |
| PHCO_14039 | Set_parms year 2000 patch |
| PHCO_15384 | iconv(1) methods library cumulative patch |
| PHCO_16591 | fsck_vxfs(1M) cumulative patch |
| PHCO_16724 | lpspool cumulative patch for HPDPS |
| PHCO_16752 | HPDPS cumulative patch |
| PHCO_17352 | ISO8859-15 locales src, binary |
| PHCO_17353 | ISO8859-15 converter tables |
| PHCO_17389 | LVM commands cumulative patch |
| PHCO_17555 | mediainit sioflop driver support |
| PHCO_17585 | NetInstall for ACE June 1999 |
| PHCO_17632 | USB hot attach/detach daemon patch |
| PHCO_17633 | USB & floppy support patch |
| PHCO_17634 | itemap(1M) for USB keyboards |
| PHCO_17636 | Release Notes cumulative patch |
| PHCO_17654 | 64-bit enablement patch |
| PHCO_17828 | diskinfo support for class "floppy" |
| PHCO_17839 | ITE_* terminfo files patch |
| PHCO_17871 | Cumulative SAM/ObAM Patch |
| PHKL_10759 | hpux(1m) boot loader can't boot over PCI LAN |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|--|
| PHKL_12339 | VxFS (JFS) fsck fix and mount perf. improve |
| PHKL_12513 | Enable MP on systems faster than 214 MHz |
| PHKL_14852 | PC floppy cumulative patch |
| PHKL_15282 | Diag1 change for PCI Info. tool under STM |
| PHKL_16750 | SIG_IGN/SIGCLD,LVM,JFS,PCI/SCSI cumulative patch |
| PHKL_16959 | Physical dump devices configuration patch |
| PHKL_17012 | LOFS cumulative patch |
| PHKL_17253 | Correct process hangs on ufs inodes |
| PHKL_17499 | Data corruption,diaglogd prob,drv log |
| PHKL_17637 | USB Driver patch |
| PHKL_17638 | IDE/ATAPI CDROM patch |
| PHKL_17640 | NFS diskless client kernel patch |
| PHKL_17639 | WSIO SCSI cumulative patch |
| PHKL_17641 | Kernel Parameter Values Enhancement |
| PHKL_17644 | Enable Superio Parallel interface |
| PHKL_17645 | Enable Superio Core Interfaces |
| PHKL_17646 | ccio2 IO adapter, lba PCI bus bridge |
| PHKL_17649 | PCXW processor support |
| PHKL_17651 | Softpower cumulative patch |
| PHKL_17653 | Perf. imp. for TLB purge on 2.0 processors |
| PHKL_17655 | Enable 64 bit Core SCSI |
| PHKL_17656 | GSC to PCI, PCI to PCI bridge cum. patch |
| PHKL_17657 | Enable install kernel utsname |
| PHKL_17658 | SuperIO floppy driver patch |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|---|
| PHKL_17714 | Correct thrashing algorithm & FS process hang |
| PHKL_17835 | New graphics, ITE USB, cumulative |
| PHKL_17837 | New audio h/w support + cumulative |
| PHNE_10770 | dhcpcclient for 100BT lan |
| PHNE_16999 | LAN products cumulative Patch |
| PHNE_17096 | Cumulative ARPA Transport patch |
| PHNE_17642 | Serial,Mux,Pty cumulative patch |
| PHNE_17643 | CORE PCI 100Base-T cumulative patch |
| PHSS_14731 | HP C++ core library components |
| PHSS_15380 | ld(1) and som tools 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_17145 | Xserver cumulative patch |
| PHSS_17146 | 3D Common Runtime patch |
| PHSS_17147 | PEX 5.1/Starbase/Hardcopy Runtime patch |
| PHSS_17331 | X/Motif Runtime Jan 99 Periodic Patch |
| PHSS_17332 | Delta XClients Jan 99 Patch |
| PHSS_17463 | JSE patch (USB keyboards support) |
| PHSS_17464 | KSE patch (USB keyboards support) |
| PHSS_17465 | SSE/TSE patch (USB keyboards support) |
| PHSS_17534 | X11R6 Font Server Jan. 99 cumulative Patch |
| PHSS_17554 | AudioSubsystem Feb.1999 Patch |
| PHSS_17560 | Delta CDE msg catalog Feb. 99 Patch |
| PHSS_17566 | CDE Runtime Feb 99 Patch |

Patch Listings for ACE (June 1999)

Quality Pack Patches

| Patch Name | Description |
|-------------------|---|
| PHCO_7892 | Config fails with library table overflow |
| PHCO_8009 | Make audusr(1M) more efficient |
| PHCO_8246 | SAM to read terminal control database |
| PHCO_8247 | SAM update terminal control database |
| PHCO_8621 | 10.20 xargs patch - allow '-' as argument |
| PHCO_8696 | expr(1) match operation return value |
| PHCO_8788 | nice(1) patch |
| PHCO_8915 | Patch for last(1) |
| PHCO_8927 | stty(1) patch to fix -g option |
| PHCO_8934 | jfs fscat large offset patch |
| PHCO_8935 | Fix for vxfs volcopy with LFS disk |
| PHCO_9508 | Cumulative kermit(1) patch |
| PHCO_9533 | gencat(1) cumulative patch |
| PHCO_9534 | dumpmsg(1) cumulative patch |
| PHCO_9535 | findmsg(1) cumulative patch |
| PHCO_9597 | chfn(1) cumulative patch |
| PHCO_9602 | chsh(1) cumulative patch |
| PHCO_10124 | date(1) |
| PHCO_10175 | libc year2000 white paper |
| PHCO_10272 | Cumulative fixes for vipw |
| PHCO_10295 | Allow umount disabled vxfs snapshot FS |
| PHCO_10578 | extendfs_hfs fix for very large file sys. |
| PHCO_10663 | HP-UX cut (1) cumulative patch |
| PHCO_10947 | Cumulative libHcurses patch |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|---|
| PHCO_11214 | pw_id_map corruption & getspwent loop |
| PHCO_11436 | localedef(1) patch |
| PHCO_11437 | ed(1) patch |
| PHCO_11647 | HP-UX Upgrade Transition links patch |
| PHCO_11715 | VME Configuration Program |
| PHCO_12097 | Cumulative newgrp(1) patch |
| PHCO_12140 | Patch cleanup utility |
| PHCO_12236 | Cumulative SAM trusted user patch |
| PHCO_12355 | acctcms(1m) patch |
| PHCO_12435 | fsck_hfs(1M) cumulative patch |
| PHCO_12512 | Fixes incorrect output of ioscan |
| PHCO_13084 | awk(1) cumulative patch |
| PHCO_13451 | [ef]grep(1) cumulative patch |
| PHCO_13544 | Cumulative patch for ls(1) utf8 changes |
| PHCO_13667 | ex(1),vi(1),expreserve(1) cum. patch |
| PHCO_13734 | passwd(1) cumulative patch |
| PHCO_13832 | quota(1) cumulative patch |
| PHCO_13913 | Cumulative login patch |
| PHCO_13952 | Upgrade utilities for B180, C200, J2240 |
| PHCO_14039 | Set_parms year 2000 patch |
| PHCO_14214 | Cumulative vxdump patch |
| PHCO_14249 | libcur_colr patch |
| PHCO_14258 | Cumulative su patch |
| PHCO_14306 | top(1) cumulative patch |
| PHCO_14378 | mkboot(1M) and rmbot(1M) patch |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|---------------------------------------|
| PHCO_14454 | tztab(4) cumulative patch |
| PHCO_14598 | Patch for lif commands |
| PHCO_14645 | libc cumulative header file patch |
| PHCO_14967 | sar(1M) cumulative Y2K patch |
| PHCO_15218 | setup(1M) Year 2000 fix(Y2K |
| PHCO_15224 | Locales Y2K patch |
| PHCO_15262 | Cumulative patch for find(1) |
| PHCO_15336 | tar(1) cumulative patch |
| PHCO_15384 | iconv(1) methods library cum. patch |
| PHCO_15453 | Cumulative PFS patch |
| PHCO_15468 | sed(1) cumulative patch |
| PHCO_15833 | sort(1) cumulative patch |
| PHCO_16031 | fbackup (1M)/frecover (1M) cum. patch |
| PHCO_16194 | mc(1m) cumulative patch |
| PHCO_16205 | asa(1) cumulative patch |
| PHCO_16235 | mount(1M) cumulative patch |
| PHCO_16340 | Disk Array Utilities w/AutoRAID Mgr. |
| PHCO_16363 | ksh(1) cumulative patch |
| PHCO_16591 | fsck_vxfs(1M) cumulative patch |
| PHCO_16723 | libc cumulative patch |
| PHCO_16724 | lpspool subsystem cumulative patch |
| PHCO_16734 | POSIX shell cumulative patch |
| PHCO_16752 | HPDPS cumulative patch |
| PHCO_16809 | du(1) cumulative patch |
| PHCO_16874 | umount(1) cumulative patch |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|--|
| PHCO_16877 | pax(1) cumulative patch |
| PHCO_16923 | make(1) cumulative patch |
| PHCO_16961 | Xcurses library cumulative patch |
| PHCO_16964 | Year 2000 rcs(1) cumulative patch |
| PHCO_17075 | Year 2000 cumulative SCCS(1) patch |
| PHCO_17187 | csh(1) cumulative patch |
| PHCO_17189 | useradd(1M) cumulative patch |
| PHCO_17218 | Cum. fix - SAM convert /unconvert |
| PHCO_17226 | Cumulative mount_hfs(1M) patch |
| PHCO_17240 | 10.10 10.20 patch for libportnls.a |
| PHCO_17275 | savecore(1M) cumulative patch |
| PHCO_17389 | LVM commands cumulative patch |
| PHCO_17552 | Year 2000 cumulative cron/at/crontab |
| PHCO_17555 | mediainit sioflop driver support |
| PHCO_17585 | NetInstall for ACE June 1999 |
| PHCO_17630 | Year 2000 nroff(1) cumulative patch |
| PHCO_17633 | USB & floppy support patch |
| PHCO_17806 | Year 2000 HP-UX O S Patch Tool |
| PHCO_17871 | Cumulative SAM/ObAM Patch |
| PHKL_8376 | Fix vmtrace bug |
| PHKL_8693 | sys/time.h fix for select(2)/C++ defects |
| PHKL_8779 | panic on GSC/HSC MP machines on kernel semaphore |
| PHKL_9270 | Fix for current path name in proc/thread |
| PHKL_9940 | VxFS fsadm resize fails when growing >2Gb |
| PHKL_10163 | EBUSY err if pgrp chg'd after async open |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|---|
| PHKL_10460 | Fix for pfdat page unlocking |
| PHKL_10759 | hpux(1m) boot loader can't boot over PCI LAN |
| PHKL_10801 | fuser(1M) misses proc's blocked on fifo open |
| PHKL_12339 | VxFS (JFS) fsck fix & mount perf. improve. |
| PHKL_12447 | SystemV semaphores cumulative patch |
| PHKL_12513 | Enable MP on systems faster than 214 MHz |
| PHKL_13611 | Message queue hang |
| PHKL_14282 | select() performance; process hang |
| PHKL_14288 | Illegal vnode op, bad dir on CD_ROM panic |
| PHKL_14375 | Data page fault from lpmc on PA 2.0 sys |
| PHKL_14852 | PC floppy cumulative patch |
| PHKL_15061 | Perf. improvement for apps using pipes |
| PHKL_15185 | vasusage, ACE 2 bundle cum. patch |
| PHKL_15240 | Header file conf. for types.h and unistd.h |
| PHKL_15292 | VME Services Patch |
| PHKL_15952 | VxFS Quota/Attr.panic during log replay |
| PHKL_15996 | disquota panic while running sendmail |
| PHKL_16300 | vmstat(1) support: fix -z, count blocked proc's |
| PHKL_16498 | UFS disk leak/UFS small mmap file hang |
| PHKL_16750 | SIG_IGN/SIGCLD, LVM, JFS, PCI/SCSI cumulative patch |
| PHKL_16869 | Datapage fault - moving directories in HFS |
| PHKL_16918 | JFS corruption, stack overflow panic |
| PHKL_16959 | Physical dump devices configuration |
| PHKL_17012 | LOFS cumulative patch |
| PHKL_17059 | proc_open synchronization fixes |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|---|
| PHKL_17253 | Correct process hangs on ufs inodes |
| PHKL_17334 | Fix device swap problems |
| PHKL_17499 | Data corruption, diaglogd prob, drv log issue |
| PHKL_17640 | NFS diskless client kernel patch |
| PHKL_17658 | unofficial_test_patch floppy driver patch |
| PHKL_17714 | Correct thrashing algorithm & FS process hang |
| PHKL_17716 | VxFS (JFS) mount, fsck cumulative changes |
| PHKL_17835 | New graphics, ITE USB, cumulative |
| PHKL_17837 | New audio h/w support + cumulative |
| PHNE_6190 | Cumulative ocd(1M) patch |
| PHNE_7671 | telnet(1) binary negotiation problem |
| PHNE_8421 | nettune for so_qlimit_max |
| PHNE_9504 | arp general patch |
| PHNE_9860 | Megapatch for elm(1) |
| PHNE_10043 | Cumulative talk patch |
| PHNE_10770 | dhcpcclient for 100BT lan |
| PHNE_11017 | rbootd cumulative patch + XTERM300 |
| PHNE_11019 | NTPv3.5 timeservices upgrade +utilities |
| PHNE_12190 | rdpd general patch |
| PHNE_12492 | ifalias command patch |
| PHNE_12665 | tftpd(1M) patch |
| PHNE_13194 | gated(1M) cumulative patch |
| PHNE_13413 | Kernel portion of Telnet cumulative patch |
| PHNE_13414 | Cumulative telnetd(1M) patch |
| PHNE_13597 | ftpd(1M) and ftp(1M) cumulative patch |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|--|
| PHNE_13619 | r-commands cumulative mega-patch |
| PHNE_14041 | sendmail(1m) 8.8.6 cumulative patch |
| PHNE_14042 | vacation patch |
| PHNE_14617 | BIND 4.9.7 components |
| PHNE_14975 | Streams PTY accumulative patch |
| PHNE_15159 | nsswitch.conf patch for automounter |
| PHNE_15202 | Streams cumulative patch (incl. 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_16832 | inetd(1M) cumulative patch |
| PHNE_16855 | mailx(1) cumulative patch |
| PHNE_16924 | NFS Kernel gen. release & performance |
| PHNE_16999 | LAN products cumulative Patch |
| PHNE_17061 | EISA FDDI B.10.20.0[1-5] cum. patch |
| PHNE_17062 | HSC FDDI B.10.20.0[1-6] cum. patch |
| PHNE_17096 | Cumulative ARPA Transport patch |
| PHNE_17098 | NFS/NIS cumulative megapatch |
| PHNE_17123 | Cumulative bootpd/DHCP patch |
| PHNE_17642 | Serial,Mux,Pty cumulative patch |
| PHNE_17643 | CORE PCI 100Base-T cumulative patch |
| PHSS_7754 | VUE MSG catalog patch - Asian locales |
| PHSS_8629 | MSG catalogs for multi-byte locales |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|---|
| PHSS_8660 | Nov96 Periodic patch for SharedPrint |
| PHSS_9397 | HP_UX VM for Java Environment |
| PHSS_11392 | libhppa.a Overflow (+z) problem |
| PHSS_11482 | SD-OV/A.01.02 SD-UX/B.10.20 cum. patch |
| PHSS_11749 | Core Screenshot Jul 1997 periodic patch |
| PHSS_12887 | HP-VUE to CDE Migration Tools Nov 97 |
| PHSS_13172 | HP Vue 3.0 Jan98 Periodic Patch |
| PHSS_14731 | HP C++ core library comp. (A.10.36) |
| PHSS_15273 | datebook Year 2000 patch |
| 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 cum. patch |
| PHSS_15391 | dld.sl(5) cumulative patch |
| PHSS_16585 | HP aC++ runtime libraries (aCC A.01.18) |
| PHSS_16648 | Receiver Services Oct. 1998 Patch |
| PHSS_16690 | LIBCL cumulative patch |
| PHSS_17122 | Imaging Subsystem Dec. 1998 Patch |
| PHSS_17145 | Xserver cumulative patch |
| PHSS_17146 | 3D Common Runtime patch |
| PHSS_17147 | PEX 5.1/Starbase/Hardcopy Runtime |
| PHSS_17152 | OpenGL 1.1 Runtime patch |
| PHSS_17331 | X/Motif Runtime Jan. 99 Periodic Patch |
| PHSS_17332 | Delta XClients Jan. 99 Patch |
| PHSS_17534 | X11R6 Font Server Jan. 99 cum. patch |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|------------|-------------------------------------|
| PHSS_17554 | AudioSubsystem Feb. 1999 Patch |
| PHSS_17560 | Delta CDE msg catalog Feb. 99 Patch |
| PHSS_17566 | CDE Runtime Feb. 99 Patch |

Networking Additional
Core Enhancement
Patches

| Patch Name | Description |
|------------|--|
| PHCO_13838 | tar(1) cumulative patch |
| PHCO_13839 | fbackup (1M)/frecover (1M) cum. 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 | fscclean(1M) support for NFSv3 |
| PHCO_13846 | /sbin/is_local_root support for NFSv3 |
| PHCO_13847 | mount(1M) cumulative patch |
| PHCO_13848 | mountall(1M) supp. NFSv3 & CacheFS |
| PHCO_13849 | umount(1M) support for NFSv3 |
| PHCO_13850 | umountall(1M) support for NFSv3 |
| PHCO_13851 | Docs for Networking ACE (April 1998) |
| 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 |
| PHKL_8693 | sys/time.h fix for select(2)/C++ defects |

Patch Listings for ACE (June 1999)

| Patch Name | Description |
|-------------------|--|
| PHKL_12339 | VxFS (JFS) fsck fix & mount perf. imp. |
| PHKL_15185 | vasusage, ACE 2 bundle cum. patch |
| PHKL_15240 | Header file conform. types.h & unistd.h |
| PHKL_16750 | SIG_IGN/SIGCLD,LVM,JFS,PCI/SCSI cumulative patch |
| PHKL_16959 | Physical dump dev. configuration patch |
| PHKL_17012 | LOFS cumulative patch |
| PHKL_17253 | Correct process hangs on ufs inodes |
| PHNE_13833 | NFS Kernel gen. release & performance |
| PHNE_13835 | NFS/NIS cumulative megapatch |
| PHNE_13836 | nsswitch.conf patch for automounter |
| PHNE_13837 | NetTL patch for NFSv3 functionality |
| PHNE_17096 | Cumulative ARPA Transport patch |