

UnixWare 7.1.3 Maintenance Pack 4 Release Notes

July 2004

Dear SCO Customer,

This package contains the UnixWare 7.1.3 Maintenance Pack 4. This Maintenance Pack contains important fixes to your UnixWare system and should be applied at your next maintenance period.

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I. Software Notes and Recommendations

1. The UnixWare 7.1.3 Maintenance Pack 4 package (uw713mp4.image) should only be installed on:
 - UnixWare 7.1.3
2. If you are performing an in-place upgrade from UnixWare 7.1.1 or Open UNIX 8.0.0 to UnixWare 7.1.3, make sure to reboot the system after applying the update and before applying this maintenance pack.
3. If you are installing from images downloaded from the SCO Web or FTP site then in addition to installing this maintenance pack, we strongly recommend that you download and install the latest nics and nd packages from <http://www.sco.com/support/update/download/uw713list.html>.

In particular, install these or later versions:

- Netdriver Infrastructure and Configuration Subsystem (nics), version 7.1.4a
- Network Drivers (nd), version 7.1.3c.

4. uw713mp4 is a set and contains the following packages:

uw713m4 Maintenance Pack 4 package

libc Runtime C Library package, version 8.0.1c

libthread Runtime Thread Library package, version 8.0.1a

Installing uw713mp4 will update the above runtime libraries as well as installing the uw713m4 package. The runtime libraries, once installed, are not removable.

5. If you have previously installed uw713mp1, uw713mp2, or uw713mp3, you can install uw713mp4 without removing the previous maintenance pack.
6. This maintenance pack can not be installed on top of any UnixWare 7.1.3 Update Pack. For example, this maintenance pack can not be installed if uw713up3 (Update Pack 3) is installed.
7. This version of the Maintenance Pack supersedes the following Supplements which may have been withdrawn from the ftp site:
 - **uw713mp1** (UnixWare 7.1.3 Maintenance Pack 1)
 - **uw713mp2** (UnixWare 7.1.3 Maintenance Pack 2)
 - **uw713mp3** (UnixWare 7.1.3 Maintenance Pack 3)
 - **ptf9000** (**Note:** MP4 does not replace the Boot images that ship with this PTF, it only replaces the PTF.)
 - **ptf9001**
 - **ptf9003**
 - **ptf9004**
 - **ptf9006**
8. **uw713mp4** updates **sendmail** to version 8.12.9, plus security fixes from 8.12.10. However, if you previously added a version of **sendmail** provided by a vendor other than The SCO Group, then **uw713mp4** will not update that version.

After installing **uw713mp4**, running **sendmail** commands such as the **newalias** command may display the following error message:

Warning: .cf file is out of date: sendmail 8.12.9 supports version 10, .cf file is version 9

Mail will continue to function. However none of the new features, implemented in the configuration file, will be available unless you edit this file manually. See <http://sendmail.org> for further detail.

Only <http://sendmail.org> has been updated. SCOadmin has not been updated. The old configuration file has been left in place to allow continued use of the SCOadmin interface.

To avoid the warning message edit */etc/sendmail.cf* and change the config file format entry (the first non comment line) from "V9" to "V10". Note that once you edit *sendmail.cf* manually you will no longer be able to use SCOadmin to manage **sendmail**.

9. If your system hangs on the first reboot following installation of Maintenance Pack 4 and, prior to hanging, it displayed an error message stating that an HBA command timed out, apply the following workaround:

1. Reset the system.
2. When the system displays the UnixWare logo during the boot sequence, interrupt the boot by pressing any key.
3. At the boot prompt enter:

```
USE_XAPIC=N
boot
```

The system should continue to boot normally.

4. Once the system is running edit */stand/boot* and add the following entry:

```
USE_XAPIC=N
```

10. The **base** and **uw713m4** package prototype files list */usr/include/sys/lxki.h* as a file ("^f") but the **update713** prototype lists this file as volatile ("^v"). So installing uw713mp4 on a system that had been upgraded from UnixWare 7.1.1 or Open UNIX 8 to UnixWare 7.1.3 yields this warning (and keeps the file as volatile):

```
UX: pkginstall: WARNING: /usr/include/sys/lxki.h <shared file is vo
```

This warning can be ignored.

11. For a list of issues that this Maintenance Pack addresses, please see [IV. Comprehensive List of Problems Fixed](#).
12. If you have questions regarding this supplement, or the product on which it is installed, please contact your software supplier or support representative.

II. Installation Instructions

If you are installing the Maintenance Pack from CD:

1. Insert the Maintenance Pack CD into the CD Drive.
2. As root, add the maintenance pack to your system using these commands:

```
$ su -
Password: type your root password
# mount /dev/cdrom/cdrom1 /install
# pkgadd -d /install/uw713mp4.image
```

3. As root, add the nics and nd packages present on the CD using the commands:

```
# pkgadd -d /install/nics.714a.image
# pkgadd -d /install/nd.713c.image
```

4. Reboot the system after installing this package.

```
# shutdown -i6 -g0 -y
```

5. If you see the following message:

```
WARNING: Reapply uw713m4 package. Failure to do so may leave
system in an inconsistent state.
```

then you need to reapply the uw713m4 package. You can do this by repeating step 2.

If you are installing the Maintenance Pack from the web or ftp site:

1. Download the **uw713mp4.image** file to your server.
2. As root, change directory to the location of the downloaded image and add the maintenance pack to your system using these commands:

```
$ su -
Password: type your root password
# cat uw713mp4.image | pkgadd -d -
```

3. **NOTE:** We strongly recommend that you also download and install the latest nics and nd packages from:

<http://www.sco.com/support/update/download/uw713list.html>

For installation instructions please see the *README* files for the **nics** and **nd** packages.

4. Reboot the system after installation is complete:

```
# shutdown -i6 -g0 -y
```

5. If you see the following message:

```
WARNING: Reapply uw713m4 package. Failure to do so may leave
system in an inconsistent state.
```

then you need to reapply the uw713m4 package. You can do this by repeating step 2.

III. Removal Instructions

NOTE! Removal of the uw713mp4 set is not recommended.

As noted in Section I, the runtime library packages are not removable. Thus when you remove the uw713mp4 set only the uw713m4 package is removed.

To remove the maintenance pack:

1. Enter:

```
$ su -  
Password: type your root password  
# pkgrm uw713mp4
```

2. Reboot the system:

```
# shutdown -i6 -g0 -y
```

IV. Comprehensive List of Problems Fixed

A. Problems fixed in Maintenance Pack 1 and also included in Maintenance Pack 4

uw713mp1 contained the following fixes; these fixes are also included in **uw713mp4**:

1. Prevents system panics previously caused when fusers examines an exiting process.
fz526462
2. Prevents hangs seen on Compaq ML350 and ML370 Systems when hyperthreading (Jackson Technology) is enabled, i.e., when the boot parameter ENABLE_JT is set to YES.
fz526444
3. Fixed problems with the CDE desktop help viewer.
fz526501
4. Provides missing scoadmin filesystem files that were not installed when upgrading from UnixWare 7.1.1 or Open UNIX 8.0.0.
fz526550
5. Provides updated /usr/include files that were not installed when upgrading from UnixWare 7.1.1 or Open UNIX 8.0.0.
fz526552

6. Provides a new makewhatis(1M) command that was not installed when upgrading from UnixWare 7.1.1 or Open UNIX 8.0.0.
fz526526
7. Fixed crash(1M) to recognize changes to the callout structure.
fz518517
8. Fixes issues target disk driver error recovery.
fz520729

B. Problems fixed in Maintenance Pack 2 and also included in Maintenance Pack 4

uw713mp2 contained the following fixes; these fixes are also included in **uw713mp4**:

Security Fixes:

9. SECURITY: Closing file descriptors 0, 1 and/or 2 before exec'ing a setuid program can make this program open files under these file descriptors, which have special meanings for libc (stdin/stdout/stderr). Reading or writing to root-owned files can be made possible, since stdin/stdout/stderr==opened_file.
erg712059/fz526562/CSSA-2002-SCO.43
10. SECURITY: A rogue talk client is able to cause the talk demon to overrun a buffer, and could be able to compromise a machine running talkd.
erg712055/fz521053/CSSA-2002-SCO.42
11. SECURITY: Buffer overflow in XPR portion of libnsl library.
erg712182/fz526861/CSSA-2003-SCO.7
12. SECURITY: A command line buffer overflow in ps command can be exploited.
erg712109/fz525292/CSSA-2003-SCO.1
13. SECURITY: The implementation of xdr_array can be tricked into writing beyond the buffers it allocated when deserializing the XDR stream.
fz501642/fz525725/CSSA-2003-SCO.7
14. SECURITY: Fixed a security vulnerability in the sendmail binary that can be exploited by remote users to gain root access.
erg712247/fz527484/CSSA-2003-SCO.5
15. SECURITY: When using ftp to transfer a file with a pipe as the first character in its name (for example, |xyz), ftp executes the file on client machine.
erg712227/fz527425/CSSA-2003-SCO.3
16. SECURITY: uudecode does not validate the filename, it should not write to pipes or symbolic links.
erg712093/fz521051/CSSA-2002-SCO.44
17. SECURITY: New tunable COREFILE_SECURE. Privileged, setuid or setgid processes are prohibited from dumping core. A new tunable COREFILE_SECURE, if tuned to 0, will allow such processes to core dump.
erg712163/fz526524

Networking Fixes:

18. Panic in PPP driver - pppwsrv() - due to a race condition.
fz501673/fz526330
19. Panic in PPP's pcid driver.
fz501650/fz525867
20. Communication problem between pcid and ppp driver.
fz501678/fz526352
21. The ttymon process sometimes stops listening to a port after PPP disconnect.
fz501634/fz525626
22. When receiving data from a TCP socket it may lock up indefinitely with data buffered up in the kernel but never returned to the process.
fz501604/fz520887
23. Connection server fails with the following error: 10/24/02 17:14:51; 27209; cs: ioctl() set signal error; errno=22
erg712153/fz526540
24. Improved network printing performance.
erg712041/fz520932
25. If an ftp client host was reset (as in cycling the power) during the data transmission to the server, the ftp-data connection never times out on the server. If the client tries to use the same port after reboot for an ftp transmission, the server responds with EADDRINUSE.
fz501703/fz526973
26. After removing a network interface, pkgchk nics complains about missing files.
erg712152/fz526505
27. Repeated logins on virtual terminals (/dev/vt02 ... /dev/vt08) result in file descriptor leakage in ttymon.
fz501636/fz525650
28. When excessive short-lived rlogin sessions are being created, /var/adm/wtmp and /var/adm/wtmpx get out of sync and must be rewritten. While these files are being rewritten, no one can rlogin to the system. If these files grow quite large, this can take up to 20-30 minutes. Also under heavy load the short-lived rlogin sessions may leave in utmp the entries from sessions that have actually completed.
erg712151/fz526496
29. KMA corruption in tcp.
erg712086/fz521356
30. Can't write to /dev/_tcp/num tty device (rlogin connection).
erg712250/fz526110
31. Occasionally bind() returns EADDRINUSE for no apparent reason.
erg712209/fz527217
32. Fixed tape driver bug relating to SAN attached tape drives.
erg712195/fz526396

33. Status requests are not being automatically generated for a network Printer if it is very busy resulting in job ids not being freed.
fz501666/fz526164
34. Hangs and delays in streams caused by streams routines unnecessarily allocating large physically contiguous buffers.
erg712266/fz527550
35. Panic in tco_close.
erg712230/fz527439
36. Fixed an NFS panic which can occur following certain types of transmission errors.
fz526648
37. Cleaned up code which handles dispatching of tcp timers.
fz526796

Compatibility Fixes:

38. Added minor command modifications required by the Open Group for UNIX certification. For details, see V. Supplementary Documentation.
fz526395/fz526629/fz527377
39. Fixed system call restart code for OpenServer applications. Also modified code for the connect system call so that connect is properly restartable for OpenServer applications.
fz527264
40. System hangs during boot up on older (Pentium III and earlier) IBM hardware.
fz527522
41. Allow use of an ELF interpreter which contains a PT_NOTES section, as some older OpenServer libraries do.
fz527571
42. Enable 16-bit IPC IDs for OpenServer and Xenix compatibility.
fz527373
43. Implement support of MAP_NOEOF mmap flag for OpenServer applications running on UnixWare.
fz527536
44. Fix for panic on certain OpenServer binaries.
fz550013/fz514721
45. chown() arguments of -1 do not work for OSR5 binaries
fz526683

Miscellaneous Fixes:

46. emergency_disk(1M) boot media hangs if machine has > 4GB of memory.
fz527578
47. Fixed an unrecoverable "internal error" experienced by the debug command when reading some core files from threaded applications. Fixed the recently added -m command line option to specify an alternate runtime library path when analyzing core

files from other systems.

fz501675/fz526224/fz526635/fz526681

48. The vtoc driver has been fixed to support disks whose physical sector size is an integral multiple of 512.
fz501717/fz527726
49. System may refuse to take console input after 248 days, thereby appearing to hang, due to invalid time stamps in the cmux driver.
fz501720/fz527517
50. The command useradd(1M) allows \$ in usernames (SAMBA requirement)
fz526483
51. The ksh95 built in pwd command can output pathnames starting with //.
199364
52. The command pwck(1M) does not display the line being processed when encountering errors.
erg712157/fz518020
53. Correctly display version of dump command with -V option.
fz518607
54. Multithreaded process hangs during exec and is unkillable.
erg712172/fz526750
55. The kernel can panic in mod_dev_load if a DDI8 driver does not get configured properly.
fz526791
56. PSE memory remains unavailable after dynamically adding memory.
erg712235/fz527455
57. System hangs in vxfs filesystem. Processes blocked waiting on a call to vx_iget.
erg712184/fz526355
58. Added undocumented option noquota to the vxfs mount command to fix the problem where the output of mount -p when used in /etc/vfstab, is rejected by mount with the message: UX:vxfs mount: ERROR: illegal -o suboption -- noquota
erg712190/fz526894
59. Restore the pre-7.1.3 lookupp syntax so that third-party provided filesystems continue to work. The extra root vnode argument has been removed from lookupp. A new lookuppnx function has been created with this extra argument.
fz527503
60. Fix for sdiadd -n panic on systems with HBA's pre-DDI8. The problem was that sdi_hot_add() was not converting the older style SCSI address into the newer extended SCSI addressing scheme properly. The original erg fix set the address to -1's instead of 0's for the wildcard case. The function pdi_hot will set the SCSI address to all -1's to tell SDI that we want to scan the entire SCSI bus starting from absolute address 0/0/0/0 (controller/bus/target/lun).
erg712223/fz527360
61. If DNS is not configured, scoadmin mail will not allow any changes in mail configuration.
erg712296/fz527783

C. Problems fixed in Maintenance Pack 3 and also included in Maintenance Pack 4

uw713mp3 contained the following fixes; these fixes are also included in **uw713mp4**:

62. Fix bug in ps -o time where a process which has accumulated more than 24 hours of CPU time is shown as having accumulated one day more than the actual time.
erg712295/fz527776
63. System panic due to a race condition in tcp timers code. Note: This problem was fixed in uw713mp2 but the problem description was not added to the errata file.
erg501722/fz527554
64. Ipsched performs poorly when a large number of jobs (200+) are submitted at once.
fz501718/fz527462
65. If the name of remote system for a remote printer is not found in /etc/lp/Systems, Ipsched does not complain at startup and later on coredumps when a status or cancel request is sent to that printer.
fz527931
66. Remote print requests remain indefinitely in queue if remote system is down. They do not timeout even if timeout parameter is specified in /etc/lp/Systems for the corresponding remote system. WARNING: Since by default the timeout is set to 10 minutes, print setups with large network delays may suddenly experience timed-out jobs. For such systems, system administrators should either increase the timeout value or set timeout to "never" to restore old behavior.
fz527934
67. Running sdipath -o repair repeatedly may cause a hang in mpio_closeAll
erg712254/fz527498
68. Display per-processor callouts as well as global callouts from the callout command in crash.
fz527802
69. Kernel panics with a bad read pointer in a STREAMS message block, caused by mishandling of the message block in the STREAMS utility msgpullup and in the IP protocol handling routine ip_input.
erg712321/fz527939
70. SECURITY: Fixed exploitable buffer overflows in metamail.
erg712265/fz527543
71. When pkgadd fails early on, before any package has been selected, it gives the following message: UX:mailx: WARNING: No message !?! This message was confusing to users and is now not displayed.
fz527750
72. Hyperthreading is disabled (erroneously) on some systems.
erg712350/fz528053
73. System hangs. Hard hang, unable to dump or break in via kdb.

erg712346/fz528045

74. SECURITY Drop TCP packets with both SYN & FIN set.
erg712274/fz527623
75. ksh93 autoload functions invoked within command substitution fail to execute.
erg712312/fz527879
76. /etc/conf/bin/idconfupdate now creates its .idlock file in /etc/conf instead of /var/tmp. This avoids idtools problems when /var/tmp is not mounted.
fz528107/fz528129
77. When installing UnixWare on some machines with the nVidia GeForce4 video chipset, the screen goes black and the machines freezes after the initial kernel is loaded and before the language selection screen.
erg712344/fz528030
78. Large block sized i/o requests failing with Pre-DDI8 HBA drivers. This issue can be easily reproduced by installing ODM and doing Root encapsulation.
erg712316/fz527917
79. TCP data corruption.
erg712389/fz528172
80. /u95/bin/ksh users' `w` idle time resets every 10 min.
erg712362/fz528070
81. Fixed failures mounting/creating vxfs snapshots which indicated that the filesystem is either already mounted, busy, or the allowable number of mount point exceeded when none of these failure conditions were true.
erg712361/fz528100
82. Some STREAMS ioctl's involving multiple message exchanges with the driver may timeout prematurely and return EAGAIN erroneously.
erg712396/fz528199
83. syslogd fails to respond to SIGHUP.
erg712414/fz528159
84. Support Logical Volumes up to 1TB. mkfs_vxfs failed on logical volumes > 512GB & fdisk reported invalid cylinders in "1TB boundary" cases.
erg712311/fz520676
85. traceroute dumps core.
fz528035
86. panic in realitexpire.
erg712352/fz528064
87. Fixed kernel stack overflows with lxuwfs, replacing relatively large stack variables with allocated areas. Matching change made to lxdevfs. Altered lxuwfs behavior on attempts to recurse: before the change, it exposed the covered directory; after, it returns ENOENT. Altered the definition of recursion in lxuwfs, so that it now detects both descent into the same lxuwfs mount point, and descent into any other lxuwfs mount point.
fz527910/fz528131

88. flock() hang when the NFS server is Microsoft SFU (3.0)
erg712347/fz528048
89. SECURITY - CRLF (Carriage Return, Line Feed) injection vulnerability in lynx.
erg712379/fz528144
90. Panic in specfs, NULL pointer dereference (s_cp).
erg712337/fz528010
91. If two arp -d's are called in quick succession, one of the entries may not be deleted.
erg711628/fz516107
92. The queue command in crash prints garbage at the end of the line.
fz528406
93. The date command dumps core. Attempting to update the system time using SCOadmin results in an error message, although the time does get updated.
erg712397/fz528056
94. Updated kcrash.
fz528295
95. System call entry handler for linux binaries will panic if a real device is attached to the same vector or if a spurious interrupt is received on that vector.
erg712348/fz528051
96. Embedded EHCI on IBM 8430/13x takes decades to reset.
fz501727/fz527381
97. EHCI chips that request 64-bit addressing get 'Descriptor load failed during enumeration'.
fz501727/fz528043
98. Melco/Yedata USB drive tanks with "Inquiry Read failed, unbinding!" when attached.
fz501727/fz528046
99. Fix the missing charset attribute for Japanese documentation in DocView.
fz526356
100. The userdel command dumps core.
fz501732/fz528409
101. SECURITY: sendmail char sign extension buffer overflow.
erg712276/fz527629
102. SECURITY: remotely exploitable vulnerability in sendmail that could allow an attacker to gain control of a vulnerable sendmail server.
erg712433/fz528320/CSSA-2003-SCO.23.1
103. The rtpm command incorrectly reports it is out of memory and exits.
erg712441/fz528135
104. The time reported by rtpm gets out of sync with the system clock.
erg712393/fz528133
105. Shared memory that is in use by a process experiencing a fork failure might not be

released.
erg712399/fz528204

- 106. System hang; infinite loop in deadflick.
erg712154/fz526541
- 107. SECURITY: DocView no longer permits certain URLs from reading publicly-readable system files.
erg712367/fz528126
- 108. write(2) on a raw socket erroneously returns EISCONN. (fix delivered in uw713m2; errata entry missing)
fz501681/fz526404
- 109. xAPIC support for IBM xSeries 440.
fz526749
- 110. optimizer bug generated incorrect code for /usr/lib/ppp/psm/ip_rt - snd_dns() and snd_dns2() functions.
fz528222
- 111. cs daemon bug allows 2 child processes to talk to the same device.
fz501731/fz527737
- 112. runacct updates wtmp[x] utmp[x] without holding record locks. This can trigger "synchronize" operations, which may take a long time to complete if the files are large. The effect is that other commands; for example, telnet and rlogin are blocked waiting for the housekeeping to finish.
erg712428/fz528292
- 113. libnsl; deadlock in do_snddis().
erg712327/fz527968
- 114. SECURITY: /proc security fix.
erg712482/fz528474
- 115. DocView search index is now generated using a cron job so the administrator does not have to run it manually.
fz526593
- 116. Enabled DocView Print Book capability to allow users to assemble content for printing a PDF file.
fz527196
- 117. LKP chroot security fix
erg712519/fz528642

D. Problems fixed in Maintenance Pack 4

uw713mp4 contains these new fixes:

- 118. netconfig fails to configure network card properly in certain situations with multiple NICS.
erg712451/fz528400
- 119. Fix libDtHelp buffer overflow problem.

erg712445/fz528372

120. MAXRUN is a new cron tunable defined in /etc/default/cron. It defaults to 25 and governs the number of simultaneous cron jobs in the system.
erg712469/fz528435
121. The compress command dies with a SIGSEGV, and fails to compress the file.
erg712220/fz527292
122. strcasecmp() fails to return correct values when linking with libXm.
erg712522/fz528654
123. The qsort() routine was reworked to increase performance, especially when presented with lots of "equal" data items. (fix delivered in mp3; errata entry missing)
erg712331/fz527984/fz528071
124. Repair a qsort() bug in which an incorrect internal swap routine can be used.
erg712529/ptf9006/fz528569
125. memmove treats pointers as signed integers, results in memory corruption when crossing 2GB.
erg712358/fz528079
126. Race condition in inet driver that can cause panic in tcp_close() or tcp_qremque().
fz528895
127. Panic in tco_unconnect() when closing OpenOffice 1.1 under LKP.
erg712444/fz528361
128. Prevent mounted CD-ROMS from being ejected.
erg712570/fz528962
129. Panic in socksys driver (ss_send_recv_tpi routine trying to free memory that has already been freed by ss_rput_socket.) This can happen when a client closes a Unix Domain socket after server has just accepted the connection but not yet returned to user.
erg712480/fz528467
130. SNMP utility trap_rece quits with "Couldn't assign the requested address"
erg712289/fz527728
131. Periodic timeout scheduling fix.
erg712571/fz528990
132. System fails to mount vxfs filesystems with large numbers of inodes (>8M) and marks them bad and sets "full fsck" flag. Full fsck of the filesystems which is required to mount them, fails with the following message: fileset 1 primary inode 65 has invalid size (4194762752) fileset 1 primary inode 97 has invalid size (4194762752) 1 primary inode 97 has invalid size (4194762752) no valid ILISTs for fileset 999 file system check failure, aborting ... Note: The updated fsdb utility now prints IAU headers and summaries independently.
erg712524/fz528656
133. IBM xSeries 445 fails to boot when hyperthreading is enabled.
erg712577/fz528645
134. rcp slow down problem.

erg712177/fz526823

135. sysi86(SI86DSCR) doesn't validate selector when clearing a descriptor.
fz521540
136. SECURITY: Fix for chroot system call. This is fixed by adding a new tunable parameter, CHROOT_SECURITY. Default value is 1 which eliminates the security problem by causing chroot to fail when neither the old nor new root are real root; a value of 0 restores traditional chroot behavior.
erg712509/fz528555
137. Systems may sometimes panic with a KMA corruption as a result of closing an open NFS file during process exit.
fz529130
138. Process hang due to bug in waitid.
erg712596/fz529361
139. Added checks for STREAMS flow control in UDP multicast/broadcast single receiver code-path to prevent panics/system freeze.
erg712484/fz528479
140. Added SDI pseudo hba driver instance to prevent panics when HBA drivers are removed in Hot Plug Manager when device nodes are busy/open.
erg712305/fz527809
141. Latest Intel microcode updates.
erg712621/fz529619
142. The multibyte to wide-character conversion code for EUC was broken.
erg712507/fz528536
143. Panic in dounmount() when closing fifo stream, due to a race condition between two process, one calling dounmount through nm_unmount() and the other through nm_unmountall().
erg711929/fz519727
144. System panic in netbios driver routines while running LSV inet stress tests (GetService).
fz526345
145. By the time pkgadd executes the preinstall script of a package, it has already updated the contents file with the information from the package's pkgmap file. Hence if the preinstall script is terminated for some reason, the contents file is left in a bad state - the files are not installed on the system but they are present in the contents file.
fz519105
146. pkginstall, pkgremove and installf can destroy software contents file if it is already locked by another process.
198541
147. Fixed pkgm's -n option to set QUIETMODE=true so that packages' preremove and postinstall scripts can work in quiet mode. Previously, it was using the value saved in the pkginfo file when the package was last installed.
fz529498

148. The siginfo structure contains two new members, si_iaddr (the address of the instruction that caused the trap) and si_raddr (an associated memory reference address, if there is one, otherwise the same as si_iaddr).
erg712550/fz528887
149. The set of codeset pairs available today for the iconv command and the library routine includes being able to translate between "unicode" (actually UCS2 -- the two-byte form) and the following codesets: PC437, PC850, PC860, PC863, PC865, 8859/1, eucJP, sjis, and UTF-8. As UTF-8 is just another way (and often more common way) to represent Unicode, we added capability to translate directly to/from UTF-8 and PC437, PC850, PC860, PC863, PC865, 8859/1, eucJP, and sjis.
ptf9006/fz529336
150. Process receives a SIGSEGV if dlclose() is called from a shared library finaliser routine.
fz528933
151. cpio hangs due to a libthread bug.
fz501680/fz526385
152. SECURITY: Two new tunables have been introduced to address the TCP Rose Attack: ip_maxfragpackets This is the maximum number of fragmented packets that IP will accept. The default is 800. ip_maxfragsperpacket This is the maximum number of fragments per packet that IP will accept. The default is 16.
erg712605/fz529414
153. SECURITY: Security vulnerability issues in TCP are fixed according to this IETF draft: <http://www.ietf.org/internet-drafts/draft-ietf-tcpm-tcpsecure-00.txt>
erg712598/fz529384\$
154. Fixed ksh bug that occasionally caused processes to hang.
erg712386/fz528169
155. A time delay of one second in dlpiclose() was causing some applications like getmany (accessing mib-2 table) to take very large processing time. This time-delay ensured that all in-transit packet processing was done before closing sap. Now this time delay is removed and completeness of in-transit packets processing is ensured using message based synchronization. dlpiclose() now constructs a M_CTL packet containing a message of type dl_ctlmsg_t. This message contains dlpi primitive set as DL_CLOSESAP and a pointer of this sap structure. This packet is enqueued at the dlpi lower read queue so that the dlpilrsrv will handle it. It then goes to sleep. The dlpilrsrv upon receipt is assured that all messages before it are sent upstream. So, there is no in-transit packet. It sends a signal to dlpiclose() to wakeup which then closes the sap.
erg712282/fz526486 (provided in the Netdriver Infrastructure and Configuration Subsystem [nics] package, version 7.1.4a, that accompanies this maintenance pack)

V. Supplementary Documentation

The following minor modifications have been made in order to maintain conformance to the UNIX 95 standard:

- The **dd** command was modified to accept and ignore a double dash (--) as an end of

options indicator. Note that **dd** has no options that begin with a dash (-), so "--" can only appear as the leading argument and consequently has no real purpose.

- The **sort** command was modified to remove its previous (mistaken) UNIX 95 behavior. Previously, when using **sort -c** with the POSIX2 environment variable set, **sort** only indicated whether the input was sorted through its exit value. The **sort** command was changed for Release 7.1.3 to remove the dependency on the POSIX2 environment variable, so that **sort -c** will always return a diagnostic if the input is out of order.
- The two supported Korn shells (*/bin/ksh* and */u95/bin/sh*) did not recognize an integer literal with a leading 0 as being octal, nor a leading 0x or 0X as hexadecimal in arithmetic constructs. This does not match the intent of the POSIX.2 and OpenGroup shell specification. So, for example, the following output was seen in previous versions of the Korn shell:

```
$ echo $((10+1))
11
$ echo $((010+1))
11
$ echo $((0x10+1))
/u95/bin/sh: 0x10+1: arithmetic syntax error
```

A change was made to work as intended when the POSIX2 environment variable is set:

```
$ export POSIX2=on
$ echo $((10+1))
11
$ echo $((010+1))
9
$ echo $((0x10+1))
17
```

Note that because integer constants like 010 have a silent change in behavior, this change requires POSIX2 to be set in the environment.

- Minor namespace changes to the following header files:

```
arpa/inet.h
netdb.h
netinet/in.h
netinet/in6_f.h
netinet/in_f.h
fmtmsg.h
grp.h
libgen.h
pwd.h
stdarg.h
strings.h
unistd.h
utmp.h
```

```

utmpx. h
wchar. h
sys/fcntl. h
sys/stat. h
sys/statvfs. h
sys/convsa. h
sys/stropts. h
sys/mman. h
sys/socket. h
sys/un. h
sys/regset. h
sys/siginfo. h
sys/ucontext. h
sys/fp. h

```

VI. File Contents

The **uw713m4** package updates/installs these files:

```

/etc/conf/bin/idconfupdate
/etc/conf/bin/idinstall
/etc/conf/drvmap.d/cbus
/etc/conf/drvmap.d/compaq
/etc/conf/drvmap.d/mps
/etc/conf/drvmap.d/usb_ehci
/etc/conf/drvmap.d/usb_msto
/etc/conf/dtune.d/fs
/etc/conf/dtune.d/ipc
/etc/conf/dtune.d/kdb_util
/etc/conf/dtune.d/proc
/etc/conf/mdevice.d/cbus
/etc/conf/mdevice.d/compaq
/etc/conf/mdevice.d/kdb
/etc/conf/mdevice.d/kdb_util
/etc/conf/mdevice.d/mps
/etc/conf/mdevice.d/psm_apic
/etc/conf/mdevice.d/psm_cfgtables
/etc/conf/mdevice.d/scodb
/etc/conf/mdevice.d/usb_ehci
/etc/conf/mdevice.d/usb_msto
/etc/conf/mtune.d/fs
/etc/conf/mtune.d/ipc
/etc/conf/mtune.d/kdb_util
/etc/conf/mtune.d/proc
/etc/conf/node.d/usb_msto
/etc/conf/pack.d/alp/Driver_mp.o

```

/etc/conf/pack.d/ansi/Driver_mp.o
 /etc/conf/pack.d/async/Driver_mp.o
 /etc/conf/pack.d/async/Driver_mp.o
 /etc/conf/pack.d/atup/Driver_mp.o
 /etc/conf/pack.d/audit/Driver_atup.o
 /etc/conf/pack.d/audit/Driver_mp.o
 /etc/conf/pack.d/bfs/Driver_mp.o
 /etc/conf/pack.d/bmse/Driver_mp.o
 /etc/conf/pack.d/ca/Driver_mp.o
 /etc/conf/pack.d/cbus/Driver_mp.o
 /etc/conf/pack.d/cdfs/Driver_atup.o
 /etc/conf/pack.d/cdfs/Driver_mp.o
 /etc/conf/pack.d/char/Driver_mp.o
 /etc/conf/pack.d/cmux/Driver_atup.o
 /etc/conf/pack.d/cmux/Driver_mp.o
 /etc/conf/pack.d/coff/Driver_mp.o
 /etc/conf/pack.d/compaq/Driver_mp.o
 /etc/conf/pack.d/compaq/space.c
 /etc/conf/pack.d/confmgr/Driver_mp.o
 /etc/conf/pack.d/connl/Driver_mp.o
 /etc/conf/pack.d/cram/Driver_mp.o
 /etc/conf/pack.d/dcompat/Driver_mp.o
 /etc/conf/pack.d/devpoll/Driver_mp.o
 /etc/conf/pack.d/dma/Driver_mp.o
 /etc/conf/pack.d/dosfs/Driver_mp.o
 /etc/conf/pack.d/dosx/Driver_mp.o
 /etc/conf/pack.d/dow/Driver_mp.o
 /etc/conf/pack.d/eisa/Driver_mp.o
 /etc/conf/pack.d/elf/Driver_atup.o
 /etc/conf/pack.d/elf/Driver_mp.o
 /etc/conf/pack.d/event/Driver_mp.o
 /etc/conf/pack.d/fd/Driver_mp.o
 /etc/conf/pack.d/fdbuf/Driver_mp.o
 /etc/conf/pack.d/fdfs/Driver_mp.o
 /etc/conf/pack.d/fifofs/Driver_mp.o
 /etc/conf/pack.d/fpe/Driver_mp.o
 /etc/conf/pack.d/fs/Driver_atup.o
 /etc/conf/pack.d/fs/Driver_mp.o
 /etc/conf/pack.d/fs/space.c
 /etc/conf/pack.d/gentty/Driver_mp.o
 /etc/conf/pack.d/gvid/Driver_mp.o
 /etc/conf/pack.d/hpci/Driver_mp.o
 /etc/conf/pack.d/iaf/Driver_mp.o
 /etc/conf/pack.d/iasy/Driver_mp.o
 /etc/conf/pack.d/inet/Driver_atup.o
 /etc/conf/pack.d/inet/Driver_mp.o
 /etc/conf/pack.d/inet/space.c
 /etc/conf/pack.d/intmap/Driver_mp.o
 /etc/conf/pack.d/intp/Driver_atup.o
 /etc/conf/pack.d/intp/Driver_mp.o

/etc/conf/pack.d/io/Driver_atup.o
 /etc/conf/pack.d/io/Driver_mp.o
 /etc/conf/pack.d/ipc/Driver_atup.o
 /etc/conf/pack.d/ipc/Driver_mp.o
 /etc/conf/pack.d/ipc/Modstub.o
 /etc/conf/pack.d/ipc/space.c
 /etc/conf/pack.d/ipc/stubs.c
 /etc/conf/pack.d/kbd/Driver_atup.o
 /etc/conf/pack.d/kbd/Driver_mp.o
 /etc/conf/pack.d/kdb/Driver_atup.o
 /etc/conf/pack.d/kdb/Driver_mp.o
 /etc/conf/pack.d/kdb_util/Driver_atup.o
 /etc/conf/pack.d/kdb_util/Driver_mp.o
 /etc/conf/pack.d/kdb_util/Modstub.o
 /etc/conf/pack.d/kdb_util/space.c
 /etc/conf/pack.d/kdb_util/stubs.c
 /etc/conf/pack.d/kdvm/Driver_mp.o
 /etc/conf/pack.d/kernel/Driver_mp.o
 /etc/conf/pack.d/kma/Driver_mp.o
 /etc/conf/pack.d/krpc/Driver_atup.o
 /etc/conf/pack.d/krpc/Driver_mp.o
 /etc/conf/pack.d/ktli/Driver_atup.o
 /etc/conf/pack.d/ktli/Driver_mp.o
 /etc/conf/pack.d/ldterm/Driver_mp.o
 /etc/conf/pack.d/linux/Driver_atup.o
 /etc/conf/pack.d/linux/Driver_mp.o
 /etc/conf/pack.d/linux/Modstub.o
 /etc/conf/pack.d/linux/stubs.c
 /etc/conf/pack.d/log/Driver_mp.o
 /etc/conf/pack.d/lp/Driver_mp.o
 /etc/conf/pack.d/lxdevfs/Driver_atup.o
 /etc/conf/pack.d/lxdevfs/Driver_mp.o
 /etc/conf/pack.d/lxwfs/Driver_atup.o
 /etc/conf/pack.d/lxwfs/Driver_mp.o
 /etc/conf/pack.d/m320/Driver_mp.o
 /etc/conf/pack.d/mca/Driver_mp.o
 /etc/conf/pack.d/mem/Driver_atup.o
 /etc/conf/pack.d/mem/Driver_mp.o
 /etc/conf/pack.d/memfs/Driver_atup.o
 /etc/conf/pack.d/memfs/Driver_mp.o
 /etc/conf/pack.d/mfpd/Driver_mp.o
 /etc/conf/pack.d/mm/Driver_mp.o
 /etc/conf/pack.d/mod/Driver_atup.o
 /etc/conf/pack.d/mod/Driver_mp.o
 /etc/conf/pack.d/modksym/Driver_mp.o
 /etc/conf/pack.d/mpio/Driver.o
 /etc/conf/pack.d/mps/Driver_mp.o
 /etc/conf/pack.d/mse/Driver_mp.o
 /etc/conf/pack.d/msr/Driver.o

/etc/conf/pack.d/mtrr/Driver_mp.o
 /etc/conf/pack.d/name/Driver_mp.o
 /etc/conf/pack.d/namefs/Driver_atup.o
 /etc/conf/pack.d/namefs/Driver_mp.o
 /etc/conf/pack.d/nb/Driver_atup.o
 /etc/conf/pack.d/nb/Driver_mp.o
 /etc/conf/pack.d/nbcl ts/Driver_atup.o
 /etc/conf/pack.d/nbcl ts/Driver_mp.o
 /etc/conf/pack.d/nfs/Driver_atup.o
 /etc/conf/pack.d/nfs/Driver_mp.o
 /etc/conf/pack.d/null zero/Driver_mp.o
 /etc/conf/pack.d/osm/Driver_mp.o
 /etc/conf/pack.d/pccard/Driver_mp.o
 /etc/conf/pack.d/pci /Driver_mp.o
 /etc/conf/pack.d/pci d/Driver.o
 /etc/conf/pack.d/pi pemod/Driver_mp.o
 /etc/conf/pack.d/postwai t/Driver_mp.o
 /etc/conf/pack.d/ppp/Driver.o
 /etc/conf/pack.d/pppml /Driver.o
 /etc/conf/pack.d/proc/Driver_atup.o
 /etc/conf/pack.d/proc/Driver_mp.o
 /etc/conf/pack.d/proc/space.c
 /etc/conf/pack.d/processorfs/Driver_mp.o
 /etc/conf/pack.d/procfs/Driver_atup.o
 /etc/conf/pack.d/procfs/Driver_mp.o
 /etc/conf/pack.d/pse/Driver_atup.o
 /etc/conf/pack.d/pse/Driver_mp.o
 /etc/conf/pack.d/psm_ api c/Driver_mp.o
 /etc/conf/pack.d/psm_ cfgtabl es/Driver_mp.o
 /etc/conf/pack.d/pstart/Driver_mp.o
 /etc/conf/pack.d/resmgr/Driver_mp.o
 /etc/conf/pack.d/rl ogi n/Driver_mp.o
 /etc/conf/pack.d/rtc/Driver_mp.o
 /etc/conf/pack.d/s5/Driver_atup.o
 /etc/conf/pack.d/s5/Driver_mp.o
 /etc/conf/pack.d/sad/Driver_mp.o
 /etc/conf/pack.d/sc01/Driver.o
 /etc/conf/pack.d/scodb/Driver_atup.o
 /etc/conf/pack.d/scodb/Driver_mp.o
 /etc/conf/pack.d/scodb/i nfo/README
 /etc/conf/pack.d/scodb/i nfo/i dbui ld_hook
 /etc/conf/pack.d/scodb/i nfo/i nfo_to_c
 /etc/conf/pack.d/scodb/i nfo/kstruct.o.atup
 /etc/conf/pack.d/scodb/i nfo/kstruct.o.mp
 /etc/conf/pack.d/scodb/i nfo/li neno
 /etc/conf/pack.d/scodb/i nfo/make_i def
 /etc/conf/pack.d/scodb/i nfo/make_i nfo
 /etc/conf/pack.d/sd01/Driver.o
 /etc/conf/pack.d/sdi /Driver_atup.o
 /etc/conf/pack.d/sdi /Driver_mp.o

/etc/conf/pack.d/segdev/Driver_mp.o
 /etc/conf/pack.d/sfs/Driver_atup.o
 /etc/conf/pack.d/sfs/Driver_mp.o
 /etc/conf/pack.d/smse/Driver_mp.o
 /etc/conf/pack.d/sockfs/Driver_atup.o
 /etc/conf/pack.d/sockfs/Driver_mp.o
 /etc/conf/pack.d/socksys/Driver_atup.o
 /etc/conf/pack.d/socksys/Driver_mp.o
 /etc/conf/pack.d/specfs/Driver_atup.o
 /etc/conf/pack.d/specfs/Driver_mp.o
 /etc/conf/pack.d/st01/Driver.o
 /etc/conf/pack.d/sum/Driver_mp.o
 /etc/conf/pack.d/svc/Driver_atup.o
 /etc/conf/pack.d/svc/Driver_mp.o
 /etc/conf/pack.d/sysclass/Driver_mp.o
 /etc/conf/pack.d/sysdump/Driver_mp.o
 /etc/conf/pack.d/sysmsg/Driver_mp.o
 /etc/conf/pack.d/ticots/Driver_atup.o
 /etc/conf/pack.d/ticots/Driver_mp.o
 /etc/conf/pack.d/ticotsor/Driver_atup.o
 /etc/conf/pack.d/ticotsor/Driver_mp.o
 /etc/conf/pack.d/tpath/Driver_mp.o
 /etc/conf/pack.d/ts/Driver_mp.o
 /etc/conf/pack.d/ttcompat/Driver_mp.o
 /etc/conf/pack.d/udev/Driver_atup.o
 /etc/conf/pack.d/udev/Driver_mp.o
 /etc/conf/pack.d/ufs/Driver_mp.o
 /etc/conf/pack.d/uni/Driver_mp.o
 /etc/conf/pack.d/usb_ehci/Driver.o
 /etc/conf/pack.d/usb_msto/Driver.o
 /etc/conf/pack.d/usb_msto/disk.cfg
 /etc/conf/pack.d/util/Driver_mp.o
 /etc/conf/pack.d/vtoc/Driver.o
 /etc/conf/pack.d/vxfs/Driver_atup.o
 /etc/conf/pack.d/vxfs/Driver_mp.o
 /etc/conf/pack.d/vxportal/Driver_mp.o
 /etc/conf/pack.d/ws/Driver_mp.o
 /etc/conf/pack.d/xque/Driver_mp.o
 /etc/conf/sdevice.d/cbus
 /etc/conf/sdevice.d/compaq
 /etc/conf/sdevice.d/kdb
 /etc/conf/sdevice.d/kdb_util
 /etc/conf/sdevice.d/mps
 /etc/conf/sdevice.d/psm_apic
 /etc/conf/sdevice.d/psm_cfgtables
 /etc/conf/sdevice.d/scodb
 /etc/conf/sdevice.d/usb_ehci
 /etc/conf/sdevice.d/usb_msto
 /etc/fs/vxfs/ckroot
 /etc/fs/vxfs/df

/etc/fs/vxfs/fsck
 /etc/fs/vxfs/fstyp
 /etc/fs/vxfs/labelit
 /etc/fs/vxfs/mkfs
 /etc/fs/vxfs/mount
 /etc/getty
 /etc/init.d/rpc
 /etc/mail/admin/mailadmin
 /etc/mail/cf/README
 /etc/mail/cf/README.SCO
 /etc/mail/cf/cf/Build
 /etc/mail/cf/cf/Makefile
 /etc/mail/cf/cf/README
 /etc/mail/cf/cf/chez.cs.mc
 /etc/mail/cf/cf/clientproto.mc
 /etc/mail/cf/cf/cs-hpux10.mc
 /etc/mail/cf/cf/cs-hpux9.mc
 /etc/mail/cf/cf/cs-osf1.mc
 /etc/mail/cf/cf/cs-solaris2.mc
 /etc/mail/cf/cf/cs-sunos4.1.mc
 /etc/mail/cf/cf/cs-ultrix4.mc
 /etc/mail/cf/cf/cyrusproto.mc
 /etc/mail/cf/cf/generic-bsd4.4.cf
 /etc/mail/cf/cf/generic-bsd4.4.mc
 /etc/mail/cf/cf/generic-hpux10.cf
 /etc/mail/cf/cf/generic-hpux10.mc
 /etc/mail/cf/cf/generic-hpux9.cf
 /etc/mail/cf/cf/generic-hpux9.mc
 /etc/mail/cf/cf/generic-linux.cf
 /etc/mail/cf/cf/generic-linux.mc
 /etc/mail/cf/cf/generic-mpeix.cf
 /etc/mail/cf/cf/generic-mpeix.mc
 /etc/mail/cf/cf/generic-nextstep3.3.cf
 /etc/mail/cf/cf/generic-nextstep3.3.mc
 /etc/mail/cf/cf/generic-osf1.cf
 /etc/mail/cf/cf/generic-osf1.mc
 /etc/mail/cf/cf/generic-solaris.cf
 /etc/mail/cf/cf/generic-solaris.mc
 /etc/mail/cf/cf/generic-sunos4.1.cf
 /etc/mail/cf/cf/generic-sunos4.1.mc
 /etc/mail/cf/cf/generic-ultrix4.cf
 /etc/mail/cf/cf/generic-ultrix4.mc
 /etc/mail/cf/cf/huginn.cs.mc
 /etc/mail/cf/cf/knecht.mc
 /etc/mail/cf/cf/mail.cs.mc
 /etc/mail/cf/cf/mail.eecs.mc
 /etc/mail/cf/cf/mailspool.cs.mc
 /etc/mail/cf/cf/python.cs.mc
 /etc/mail/cf/cf/s2k-osf1.mc
 /etc/mail/cf/cf/s2k-ultrix4.mc

/etc/mail/cf/cf/sco.uw.svr5.cf
/etc/mail/cf/cf/sco.uw.svr5.mc
/etc/mail/cf/cf/submit.cf
/etc/mail/cf/cf/submit.mc
/etc/mail/cf/cf/tcpproto.mc
/etc/mail/cf/cf/ucbarpa.mc
/etc/mail/cf/cf/ucbvax.mc
/etc/mail/cf/cf/uucpproto.mc
/etc/mail/cf/cf/vangogh.cs.mc
/etc/mail/cf/domain/Berkeley.EDU.m4
/etc/mail/cf/domain/CS.Berkeley.EDU.m4
/etc/mail/cf/domain/EECS.Berkeley.EDU.m4
/etc/mail/cf/domain/S2K.Berkeley.EDU.m4
/etc/mail/cf/domain/berkeley-only.m4
/etc/mail/cf/domain/generic.m4
/etc/mail/cf/feature/accept_unqualified_senders.m4
/etc/mail/cf/feature/accept_unresolvable_domains.m4
/etc/mail/cf/feature/access_db.m4
/etc/mail/cf/feature/allmasquerade.m4
/etc/mail/cf/feature/always_add_domain.m4
/etc/mail/cf/feature/authinfo.m4
/etc/mail/cf/feature/bestmx_is_local.m4
/etc/mail/cf/feature/bittomain.m4
/etc/mail/cf/feature/blacklist_recipients.m4
/etc/mail/cf/feature/compat_check.m4
/etc/mail/cf/feature/delay_checks.m4
/etc/mail/cf/feature/dnsbl.m4
/etc/mail/cf/feature/domaintable.m4
/etc/mail/cf/feature/enhdnsbl.m4
/etc/mail/cf/feature/generics_entire_domain.m4
/etc/mail/cf/feature/genericsstable.m4
/etc/mail/cf/feature/ldap_routing.m4
/etc/mail/cf/feature/limited_masquerade.m4
/etc/mail/cf/feature/local_lmtp.m4
/etc/mail/cf/feature/local_no_masquerade.m4
/etc/mail/cf/feature/local_procmail.m4
/etc/mail/cf/feature/lookupdotdomain.m4
/etc/mail/cf/feature/loose_relay_check.m4
/etc/mail/cf/feature/mailertable.m4
/etc/mail/cf/feature/masquerade_entire_domain.m4
/etc/mail/cf/feature/masquerade_envelope.m4
/etc/mail/cf/feature/msp.m4
/etc/mail/cf/feature/no_default_msa.m4
/etc/mail/cf/feature/nocanonical.m4
/etc/mail/cf/feature/nodns.m4
/etc/mail/cf/feature/notsticky.m4
/etc/mail/cf/feature/nouucp.m4
/etc/mail/cf/feature/nullclient.m4
/etc/mail/cf/feature/preserve_local_plus_detail.m4
/etc/mail/cf/feature/preserve_luser_host.m4

/etc/mail/cf/feature/promiscuous_relay.m4
/etc/mail/cf/feature/queuegroup.m4
/etc/mail/cf/feature/redirect.m4
/etc/mail/cf/feature/relay_based_on_MX.m4
/etc/mail/cf/feature/relay_entire_domain.m4
/etc/mail/cf/feature/relay_hosts_only.m4
/etc/mail/cf/feature/relay_local_from.m4
/etc/mail/cf/feature/relay_mail_from.m4
/etc/mail/cf/feature/smrsh.m4
/etc/mail/cf/feature/stickyhost.m4
/etc/mail/cf/feature/use_ct_file.m4
/etc/mail/cf/feature/use_cw_file.m4
/etc/mail/cf/feature/uucpdomain.m4
/etc/mail/cf/feature/virtuser_entire_domain.m4
/etc/mail/cf/feature/virtusertable.m4
/etc/mail/cf/hack/cssubdomain.m4
/etc/mail/cf/m4/cf.m4
/etc/mail/cf/m4/cfhead.m4
/etc/mail/cf/m4/proto.m4
/etc/mail/cf/m4/version.m4
/etc/mail/cf/mailler/cyrus.m4
/etc/mail/cf/mailler/cyrusv2.m4
/etc/mail/cf/mailler/fax.m4
/etc/mail/cf/mailler/local.m4
/etc/mail/cf/mailler/mail11.m4
/etc/mail/cf/mailler/phquery.m4
/etc/mail/cf/mailler/pop.m4
/etc/mail/cf/mailler/procmail.m4
/etc/mail/cf/mailler/qpage.m4
/etc/mail/cf/mailler/smtp.m4
/etc/mail/cf/mailler/usenet.m4
/etc/mail/cf/mailler/uucp.m4
/etc/mail/cf/ostype/a-ux.m4
/etc/mail/cf/ostype/ai x3.m4
/etc/mail/cf/ostype/ai x4.m4
/etc/mail/cf/ostype/ai x5.m4
/etc/mail/cf/ostype/al tos.m4
/etc/mail/cf/ostype/amdahl - uts.m4
/etc/mail/cf/ostype/bsd4. 3.m4
/etc/mail/cf/ostype/bsd4. 4.m4
/etc/mail/cf/ostype/bsdi .m4
/etc/mail/cf/ostype/bsdi 1. 0.m4
/etc/mail/cf/ostype/bsdi 2. 0.m4
/etc/mail/cf/ostype/darwin.m4
/etc/mail/cf/ostype/dgux.m4
/etc/mail/cf/ostype/domai nos.m4
/etc/mail/cf/ostype/dyni x3. 2.m4
/etc/mail/cf/ostype/freebsd4.m4
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/etc/mail/cf/ostype/gnu.m4

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 /etc/mail/cf/ostype/hpux9. m4
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 /etc/mail/cf/ostype/irix5. m4
 /etc/mail/cf/ostype/irix6. m4
 /etc/mail/cf/ostype/isc4. 1. m4
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 /etc/mail/cf/ostype/powerux. m4
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 /etc/mail/cf/ostype/qnx. m4
 /etc/mail/cf/ostype/riscos4. 5. m4
 /etc/mail/cf/ostype/sco-uw-2. 1. m4
 /etc/mail/cf/ostype/sco.uw.svr5. m4
 /etc/mail/cf/ostype/sco3. 2. m4
 /etc/mail/cf/ostype/sinix. m4
 /etc/mail/cf/ostype/solaris2. m4
 /etc/mail/cf/ostype/solaris2. ml. m4
 /etc/mail/cf/ostype/solaris2. pre5. m4
 /etc/mail/cf/ostype/solaris8. m4
 /etc/mail/cf/ostype/sunos3. 5. m4
 /etc/mail/cf/ostype/sunos4. 1. m4
 /etc/mail/cf/ostype/svr4. m4
 /etc/mail/cf/ostype/ultrix4. m4
 /etc/mail/cf/ostype/uniware7. m4
 /etc/mail/cf/ostype/unknown. m4
 /etc/mail/cf/ostype/uxpds. m4
 /etc/mail/cf/sendmail. schema
 /etc/mail/cf/sh/makeinfo. sh
 /etc/mail/cf/siteconfig/uucp.cogsci. m4
 /etc/mail/cf/siteconfig/uucp.old.arpa. m4
 /etc/mail/cf/siteconfig/uucp.ucbarpa. m4
 /etc/mail/cf/siteconfig/uucp.ucbvax. m4
 /etc/mail/convertcf
 /etc/mail/hoststat
 /etc/mail/mailq
 /etc/mail/mailstats
 /etc/mail/makemap
 /etc/mail/newaliases
 /etc/mail/praliases
 /etc/mail/purgestat
 /etc/mail/sendmail
 /etc/mail/sendmail.hf
 /etc/mail/sendmailcf.factory

/etc/mail/sendmailrc
/etc/mail/smrsh
/etc/mail/smtpd
/etc/p6updata
/etc/rc2.d/S75rpc
/sbin/dd
/sbin/init
/sbin/kdb
/sbin/memsize
/sbin/ps
/sbin/vxrestore
/u95/bin/ksh
/u95/bin/renice
/u95/bin/sh
/usr/X/lib/WXm/libXm.so.1.3
/usr/X/lib/libXm.so.1.3
/usr/bin/compress
/usr/bin/dd
/usr/bin/ftp
/usr/bin/html doc
/usr/bin/ksh
/usr/bin/lynx
/usr/bin/makewhatis
/usr/bin/metamail
/usr/bin/posix/sh
/usr/bin/ps
/usr/bin/rmail
/usr/bin/sar
/usr/bin/sort
/usr/bin/uncompress
/usr/bin/uudecode
/usr/bin/zcat
/usr/ccs/bin/debug
/usr/ccs/bin/dump
/usr/dt/bin/dthelpgen
/usr/dt/lib/libDtHelp.so
/usr/dt/lib/libDtHelp.so.1
/usr/gnu/bin/lynx
/usr/include/arpa/inet.h
/usr/include/fmtmsg.h
/usr/include/grp.h
/usr/include/libgen.h
/usr/include/netdb.h
/usr/include/netinet/in.h
/usr/include/netinet/in6_f.h
/usr/include/netinet/in_f.h
/usr/include/netinet/in_pcb.h
/usr/include/netinet/ip_var.h
/usr/include/pwd.h
/usr/include/scoadmin/sysAdmStd.h

/usr/include/stdarg. h
/usr/include/strings. h
/usr/include/sys/convsa. h
/usr/include/sys/fcntl. h
/usr/include/sys/fp. h
/usr/include/sys/IPC. h
/usr/include/sys/kdebugger. h
/usr/include/sys/lxki. h
/usr/include/sys/mman. h
/usr/include/sys/msg. h
/usr/include/sys/pathname. h
/usr/include/sys/plocal. h
/usr/include/sys/regset. h
/usr/include/sys/sem. h
/usr/include/sys/shm. h
/usr/include/sys/siginfo. h
/usr/include/sys/socket. h
/usr/include/sys/socksys. h
/usr/include/sys/stat. h
/usr/include/sys/statvfs. h
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/usr/include/sys/sysmacros. h
/usr/include/sys/trap. h
/usr/include/sys/ucontext. h
/usr/include/sys/un. h
/usr/include/sys/vfs. h
/usr/include/sys/xdebug. h
/usr/include/unistd. h
/usr/include/utmp. h
/usr/include/utmpx. h
/usr/include/vm/seg_kmem. h
/usr/include/vm/seg_map. h
/usr/include/vm/seg_vn. h
/usr/include/wchar. h
/usr/lib/acct/acctwtmp
/usr/lib/acct/closewtmp
/usr/lib/acct/runacct
/usr/lib/acct/utmp2wtmp
/usr/lib/acct/vxdi skusg
/usr/lib/crash/addbin
/usr/lib/crash/createbin
/usr/lib/crash/extstr
/usr/lib/crash/libkcrash. so
/usr/lib/crash/listbin
/usr/lib/crash/macros/buf. k
/usr/lib/crash/macros/dak. k
/usr/lib/crash/macros/device. k
/usr/lib/crash/macros/e1008g. k
/usr/lib/crash/macros/eeE8. k
/usr/lib/crash/macros/file. k

/usr/lib/crash/macros/ici.k
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 /usr/lib/crash/macros/pm.k
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 /usr/lib/crash/macros/user.k
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 /usr/lib/crash/macros/vnode.k
 /usr/lib/crash/macros/vxfs.k
 /usr/lib/docview/cgi-bin/htsearch.pl
 /usr/lib/docview/cgi-bin/info2html
 /usr/lib/docview/cgi-bin/infocat
 /usr/lib/docview/cgi-bin/man
 /usr/lib/docview/cgi-bin/man2html
 /usr/lib/docview/cgi-bin/manform
 /usr/lib/docview/cgi-bin/manlist
 /usr/lib/docview/cgi-bin/printbook
 /usr/lib/docview/cgi-bin/search
 /usr/lib/docview/cgi-bin/sectionlist
 /usr/lib/docview/conf/mknavlist
 /usr/lib/docview/conf/rundig.crontab
 /usr/lib/docview/conf/set.rundig.cron
 /usr/lib/docview/conf/templates/DocView.pm.in
 /usr/lib/docview/conf/templates/rewrite.conf.in
 /usr/lib/docview/conf/uw713up1install.pl
 /usr/lib/docview/conf/uw713up3install.pl
 /usr/lib/docview/de/Introductions/manpages.html
 /usr/lib/docview/de/Introductions/printintro.html
 /usr/lib/docview/de/Introductions/search.html
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 /usr/lib/docview/fr/Introductions/printintro.html
 /usr/lib/docview/fr/Introductions/search.html

/usr/lib/docview/ja/IndexTemplate.html
 /usr/lib/docview/ja/Introductions/manpages.html
 /usr/lib/docview/ja/Introductions/printintro.html
 /usr/lib/docview/ja/Introductions/search.html
 /usr/lib/docview/ja/NavpageTemplate.html
 /usr/lib/docview/ja/header.html
 /usr/lib/docview/ja/nomatch.html
 /usr/lib/docview/ja/syntax.html
 /usr/lib/drfs/conframdfs
 /usr/lib/drfs/fsck-vxfs.dy
 /usr/lib/drfs/labelit-vxfs.dy
 /usr/lib/drfs/mkfs-vxfs.dy
 /usr/lib/fs/libsharedfstyp/libvxfsfstyp.so
 /usr/lib/fs/vxfs/df
 /usr/lib/fs/vxfs/edquota
 /usr/lib/fs/vxfs/ff
 /usr/lib/fs/vxfs/fsadm
 /usr/lib/fs/vxfs/fscat
 /usr/lib/fs/vxfs/fsdb
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 /usr/lib/fs/vxfs/volcopy
 /usr/lib/fs/vxfs/vxdump
 /usr/lib/fs/vxfs/vxrestore
 /usr/lib/fs/vxfs/vxupgrade
 /usr/lib/iconv/dos.unicode.so
 /usr/lib/iconv/unicode.88591.so
 /usr/lib/iconv/unicode.eucJP.so
 /usr/lib/iconv/unicode.sjis.so
 /usr/lib/iconv/unicode.utf.so
 /usr/lib/libXm.so.1.3
 /usr/lib/libnsl.so
 /usr/lib/libnsl.so.1
 /usr/lib/libsocket.so
 /usr/lib/libsocket.so.1
 /usr/lib/libsocket.so.2
 /usr/lib/libxti.so
 /usr/lib/libxti.so.1
 /usr/lib/lp/lpNet
 /usr/lib/lp/lpsched
 /usr/lib/lpsched
 /usr/lib/mail/execmail

/usr/lib/nfs/lockd
/usr/lib/ppp/psm/ip_rt
/usr/lib/saf/ttymon
/usr/lib/scoadmin/filesystem/CDFSSupplInfo.tlib
/usr/lib/scoadmin/filesystem/filesystemGUI
/usr/lib/scoadmin/filesystem/filesystemOsa
/usr/lib/scoadmin/filesystem/fsUtils.tlib
/usr/lib/scoadmin/filesystem/fsUtils.tndx
/usr/lib/scohelp/en_US.IS08859-1/man/bin/makewhatis
/usr/lib/sendmail
/usr/lib/sysadm.tlib
/usr/lib/sysadm.tndx
/usr/sadm/install/bin/pkginstall
/usr/sadm/install/bin/pkgremove
/usr/sadm/install/scripts/i_exit
/usr/sbin/arp
/usr/sbin/crash
/usr/sbin/cron
/usr/sbin/cs
/usr/sbin/fsadm
/usr/sbin/fscat
/usr/sbin/getext
/usr/sbin/getty
/usr/sbin/in.ftpd
/usr/sbin/in.otalkd
/usr/sbin/in.rlogind
/usr/sbin/in.talkd
/usr/sbin/installf
/usr/sbin/pkgadd
/usr/sbin/pkgask
/usr/sbin/pkgrm
/usr/sbin/pwck
/usr/sbin/removef
/usr/sbin/rtpm
/usr/sbin/sar
/usr/sbin/setext
/usr/sbin/syslogd
/usr/sbin/traceroute
/usr/sbin/trap_rece
/usr/sbin/useradd
/usr/sbin/userdel
/usr/sbin/vxconvert
/usr/sbin/vxdump
/usr/sbin/vxrestore
/usr/sbin/vxtunefs
/usr/sbin/vxupgrade
/usr/sbin/vxzip
/usr/share/html doc/data/cp-1250
/usr/share/html doc/data/cp-1251
/usr/share/html doc/data/cp-1252

/usr/share/html doc/data/cp- 1253
 /usr/share/html doc/data/cp- 1254
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 /usr/share/html doc/data/i so- 8859- 14
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 /usr/share/html doc/data/i so- 8859- 9
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 /usr/share/html doc/data/prol og. ps
 /usr/share/html doc/data/psgl yphs
 /usr/share/html doc/fonts/Couri er- Bol d. afm
 /usr/share/html doc/fonts/Couri er- Bol d. pfa
 /usr/share/html doc/fonts/Couri er- Bol d0bl i que. afm
 /usr/share/html doc/fonts/Couri er- Bol d0bl i que. pfa
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 /usr/share/html doc/fonts/Couri er- Obl i que. pfa
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 /usr/share/html doc/fonts/Ti mes- Ital i c. afm
 /usr/share/html doc/fonts/Ti mes- Ital i c. pfa
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 /usr/ucbl i b/makewhati s

VII. Escalation Fixes in this Maintenance Pack

Here are the tracking numbers for the fixes included in this maintenance pack:

erg501642/fz525725/CSSA- 2003- SC0. 7 erg712055/fz521053/CSSA- 2002- S
 erg712059/fz526562/CSSA- 2002- SC0. 43 erg712093/fz521051/CSSA- 2002- S
 erg712109/fz525292/CSSA- 2003- SC0. 1 erg712182/fz526861/CSSA- 2003- S
 erg712227/fz527425/CSSA- 2003- SC0. 3 erg712247/fz527484/CSSA- 2003- S
 erg712433/fz528320/CSSA- 2003- SC0. 23. 1

erg712386/fz528169	erg712598/fz529384	erg712605/fz529414
erg501604/fz520887	erg501634/fz525626	erg501636/fz525650
erg501650/fz525867	erg501666/fz526164	erg501673/fz526330
erg501675/fz526224/fz526635/fz526681		erg501678/fz526352
erg501680/fz526385	erg501681/fz526404	erg501703/fz526973
erg501717/fz527726	erg501718/fz527462	erg501720/fz527517
erg501722/fz527554	erg501727/fz527381	erg501727/fz528043
erg501727/fz528046	erg501731/fz527737	erg501732/fz528409
erg550013/fz514721	erg711628/fz516107	erg711929/fz519727
erg712041/fz520932	erg712086/fz521356	erg712151/fz526496
erg712152/fz526505	erg712153/fz526540	erg712154/fz526541
erg712157/fz518020	erg712163/fz526524	erg712172/fz526750
erg712177/fz526823	erg712184/fz526355	erg712190/fz526894
erg712195/fz526396	erg712209/fz527217	erg712220/fz527292
erg712223/fz527360	erg712230/fz527439	erg712235/fz527455
erg712250/fz526110	erg712254/fz527498	erg712265/fz527543
erg712266/fz527550	erg712274/fz527623	erg712276/fz527629
erg712289/fz527728	erg712295/fz527776	erg712296/fz527783
erg712305/fz527809	erg712311/fz520676	erg712312/fz527879
erg712316/fz527917	erg712321/fz527939	erg712327/fz527968
erg712331/fz527984/fz528071		erg712337/fz528010
erg712344/fz528030	erg712346/fz528045	erg712347/fz528048
erg712348/fz528051	erg712350/fz528053	erg712352/fz528064
erg712358/fz528079	erg712361/fz528100	erg712362/fz528070
erg712367/fz528126	erg712379/fz528144	erg712389/fz528172
erg712393/fz528133	erg712396/fz528199	erg712397/fz528056
erg712399/fz528204	erg712414/fz528159	erg712428/fz528292
erg712441/fz528135	erg712444/fz528361	erg712445/fz528372
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erg712524/fz528656	erg712529/ptf9006/fz528569	
erg712550/fz528887	erg712570/fz528962	erg712571/fz528990
erg712577/fz528645	erg712596/fz529361	erg712621/fz529619
ptf9006/fz529336		

fz198541	fz199364	fz518517	fz518607	fz5191
fz520729	fz521540	fz526345	fz526356	

fz526395/fz526629/fz527377	fz526444	fz526462	fz5264
fz526501 fz526526	fz526550	fz526552	fz5265
fz526648 fz526683	fz526749	fz526791	fz5267
fz527196 fz527264	fz527373	fz527503	fz5275
fz527536 fz527571	fz527578	fz527750	fz5278
fz527910/fz528131	fz527931	fz527934	fz5280
fz528107/fz528129	fz528222	fz528295	fz5284
fz528895 fz528933	fz529130	fz529498	

erg712282/fz526486 (provided in the Netdriver Infrastructure and Configuration Subsystem [nics] package, version that accompanies this maintenance pack)