Appendix B

New features and enhancements

This appendix provides information about new features and Program Temporary Fixes (PTFs) which have been incorporated into the UnixWare 7.0.1 release. All new features and enhancements are contained in the update701 package unless specifically noted, and are installed automatically during initial system load or when the update701 package is layered onto an existing UnixWare 7 system.

New features

UnixWare 7.0.1 includes the following new features:

Unix95 conformance
: This release of UnixWare 7 fully conforms to the X/Open UNIX brand (Single UNIX specification). By default UnixWare 7 is not strictly UNIX95 compliant, but you can fully enable strict compliancy by using the **suscfg**(1M) command which is located in */u95/bin*.

Core OS Performance Pack
: Includes performance improvements and bug fixes required to support the TPC/C benchmarking efforts.

MMX support
: Permits applications which use MMX technology to execute. This feature does not add support for building applications which use MMX.

Merge performance
: Provides new kernel interfaces to Merge to accelerate context switching of Merge tasks.

LFS tar/cpio
: Enables backups of files larger than 2GB and smaller than 1TB using **tar**, **cpio** or **pax**.

features.s 7 August 1998 SCCS file: /pubs/f/english/RNOTES/s.features.s SCCS ID: 100.21 Last delta: 98/07/17 13:31:44

PCI Hot-Plug
: Adds the capability to physically add, remove or replace a controller on a "hot" (running) system.

HDK
: Provides documentation for DDI and SDI.

POSIX threads support
: Adds new POSIX threads (**pthreads**) interfaces based on P1003.1 - 1996, and thread extensions from the Eastwood standard.

NSC header file changes
: Provides changes to header files for NSC (NonStop Clusters); to provide user binary compatibility.

Veritas File System Changes
: Allows VjFS/VxFS (statvfs), **mount_vxfs** and **fsck_vxfs** to provide support for UnixWare NonStop Clusters.

2 Network card failover GUI support
: Enables a NIC to be configured as a failover device and be associated with a primary interface. The GUI also supports manual failover from the primary to failover device and a failback mechanism from the failover device to the primary NIC.

Simplified Chinese locale
: A simplified Chinese locale (zh_CN.eucCN) is now provided. The user must provide their own fonts to make use of this locale. The font name must match the entry in */sbin/loadfont*. See **pcfont**(1) for more details.

Plug and Play Manager
: The new SCOadmin **ISA PnP Configuration Manager** allows you to detect and configure ISA Plug and Play devices, including sound cards, network cards, and other devices.

Installation enhancements
: The Initial System Load of UnixWare now allows you to install software from multiple CD-ROMs in a single session. See the *Installation Guide* for details.

Enhanced hardware support
: UnixWare now supports additional popular audio, graphics, and networks adapters as described in Chapter 3, "Updating your system" (page 29). If you layer update701 on top of an existing UnixWare 7 system, you must use **pkgadd**(1) to add the updated audio, nics, and xdrivers packages from the UnixWare 7.0.1 Operating System Updates CD-ROM.

Updated documentation set
: The documentation set contains information on all new features and fuller coverage of other areas, particularly network and system administration.Updated localized documentation sets are also available. These packages are found on the UnixWare 7.0.1 Operating System Updates CD-ROM.

mailx now supports Japanese environment
: The **mailx**(1) command now supports Japanese.

Enhancements in UnixWare 7.0.1

UnixWare 7.0.1 includes fixes and enhancements previously released as the Release Supplement, localized UnixWare 7, and Program Temporary Fixes PTFs.

The PTFs included in update701 are:

ptf7002
: MPIO update supplement

ptf7002b
: ICL fixes for MPIO/Clariion supplement

ptf7003
: UnixWare supplement for Oracle 7

ptf7004
: UnixWare language extension supplement

ptf7005
: Filesystem update supplement

ptf7010
: Accept protocol error supplement

ptf7012
: UnixWare SNMP supplement

ptf7011
: DLPI update supplement

ptf7013
: UnixWare **libsocket** supplement

ptf7014
: DDI8 CD-ROM supplement

ptf7016
: UnixWare mem driver supplement

ptf7017
: **proc** driver improvement supplement

ptf7018
: UnixWare **memsize** supplement

ptf7020
: UnixWare sysdump supplement

ptf7021
: NFS update supplement

ptf7022
: UnixWare support for Compaq Prosigna 800 and Compaq Wellness Driver

ptf7024
: BIND 4.9.7 for UnixWare

ptf7026
: UnixWare support supplement for Oracle 8

ptf7027
: UnixWare seg_dev driver supplement

ptf7028
: UnixWare postwait driver supplement

ptf7102
: scohelp/netscape supplement