Compatibilities and Differences [3]

This chapter describes compatibility issues and functionality changes involved in upgrading from the UNICOS 10.0 major release and UNICOS 10.0.0.1 update release to the UNICOS 10.0.0.2 update release. This chapter also includes early information about changes planned for future UNICOS releases.

3.1 Compatibility Statement

To meet user requirements for compatibility between releases of Silicon Graphics / Cray Research software, upward compatibility is provided in subsequent releases of the system and products in the following areas:

- UNICOS user commands

- Standard language syntax, semantics, and Cray Research extensions

- Absolute binary code

- Relocatable binary code

This chapter describes any incompatible changes that were introduced in this release for the following reasons:

- Hardware changes

- Third-party software changes

- Improved software design or numerical techniques

- Bugfixes

If possible, both the old and new software are provided for one release. In other cases, compatibility bridging is provided through special compatibility software for the duration of one major release.

3.2 Operating System

The following section describes a compatibility issue that affects the UNICOS operating system beginning with the 10.0.0.2 release.

3.2.1 `hpm` Products Merged Beginning with UNICOS 10.0.0.2 Release

The source code for the High Performance Monitor products `hpm`, `hpmall`, and `hpmflop` have been merged into a single PL, `/usr/src/prod/cl/hpm`.

Formerly, these products had been maintained in separate PLs. They were merged because much of their code was common.

There is no change in functionality for these products with this merge.

3.3 Networking and Communications

There are no compatibility issues affecting network connectivity and communications for the UNICOS 10.0.0.2 operating system release from previous system releases.

3.4 Programming Environments

There are no compatibility issues affecting programming environments for the UNICOS 10.0.0.2 operating system release from previous system releases.

3.5 Installation

The following section describes changes to the UNICOS 10.0.0.2 installation process.

3.5.1 Automatic Removal of Older Versions of `emacs`

Beginning with the UNICOS 10.0.0.2 operating system release, the installation process will remove older copies of the natively-built `emacs` and `DOC` from version 1 to version N-2, where N is a version built during the installation process.

For further information, see the errata for your system:

- *UNICOS Notes/Errata for CRAY T90 Model E Systems*, publication ER–5301 10.0.0.2

- *UNICOS Notes/Errata for Cray GigaRing Based Systems*, publication ER–5302 10.0.0.2

- *UNICOS Notes/Errata for CRAY J90 Model V based Systems*, publication ER–5305 10.0.0.2

3.6 Packaging

There are no changes to media, licensing, or packaging for the UNICOS 10.0.0.2 operating system release from previous system releases.