

Read Before Installing or Updating HP-UX 11i v2

June 2008



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Welcome to HP-UX 11i v2 June 2008

HP-UX 11i v2 June 2008 offers the update of two driver bundles (RAID-01 and SerialSCSI-00) as well as Ignite-UX. It also delivers a full range of HP-UX Operating Environments, including systems management and high-availability software products.

This DVD booklet provides the following information:

- Contents of the HP-UX 11i v2 media kit.
- New features and enhancements in this release.
- Descriptions of the Operating System and Operating Environments.
- Critical, late-breaking cold-install and update issues not in the *HP-UX 11i v2 Installation and Update Guide*.

See the *HP-UX 11i v2 Installation and Update Guide* supplied with the HP-UX 11i v2 media kit. This guide has step-by-step instructions and a known problems appendix. You can access the guide and others on the Instant Information DVD and the HP Technical Documentation website:

<http://docs.hp.com/hpux/os/11iv2>



NOTE: The *HP-UX 11i v2 Installation and Update Guide* was not updated for this release. You should use the December 2007 edition.

Media Kit Contents

For new systems, the HP-UX 11i v2 media kit includes the following DVDs and documentation. For the update service, you only receive those components that change from one release to the next.

- **HP-UX 11i v2 (B.11.23) 2-DVD set** — Contains the HP-UX Operating System, Operating Environments, networking software, Update-UX, Ignite-UX, standard HP-UX patch bundles, online diagnostic tools, and the `FEATURE11i` patch bundle.
- **HP-UX 11i v2 (B.11.23) Applications 2-DVD set** — Contains HP-UX application software and the `FEATURE11i` patch bundle.
- **HP-UX 11i v2 Instant Information DVD** — Contains HP-UX manuals, release notes, and white papers. See the DVD booklet for more information.
- **HP-UX 11i v2 Internet Express DVD** — Contains a collection of Open Source Web, Internet, and security services that have been tested and qualified on HP-UX.
- **HP-UX 11i v2 Support Pack DVD** — Contains Online Diagnostics and System Fault Management; Quality Pack (stable, defect-fix HP-UX patches); and Software Pack (optional HP-UX core enhancements).
- ***Read Before Installing or Updating to HP-UX 11i v2*** — (this document) Provides last-minute information for HP-UX 11i v2. Read this booklet before cold-installing or updating HP-UX.
- ***HP-UX 11i v2 Release Notes*** — Describes new features and functionality changes for HP-UX 11i v2.
- ***HP-UX 11i v2 Installation and Update Guide*** — Provides instructions to cold-install or update to the latest release of HP-UX. Note the *HP-UX*

11i v2 Installation and Update Guide was not updated for the June 2008 release. You should use the December 2007 edition.

- ***Configuring HP-UX for Different Languages*** — This book is provided in localized media kits. The English version of this manual is on the Instant Information DVD and the HP Technical Documentation website:
<http://docs.hp.com/hpux/os/11iv2>

HP-UX 11i v2 Operating Environments

Operating Environments (OEs) are tested and integrated application bundles designed to work with the operating system and provide the functionality needed for your system's purpose. For more information about the contents of the OEs, see the *HP-UX 11i v2 Installation and Update Guide*, or see the *HP-UX 11i v2 Release Notes*.

The following list details the currently available HP-UX 11i v2 OEs:

- **HP-UX 11i v2 Foundation OE (FOE)** — Designed for the demands of Web servers, content servers, and front-end servers, this OE includes applications such as HP-UX Web Server Suite, Java™, and Mozilla Application Suite. This OE is bundled as `HPUX11i-OE`.
- **HP-UX 11i v2 Enterprise OE (EOE)** — Designed for database application servers and logic servers, this OE contains the HP-UX 11i v2 Foundation OE bundles and additional applications such as GlancePlus Pak to enable an enterprise-level server. This OE is bundled as `HPUX11i-OE-Ent`.
- **HP-UX 11i v2 Mission Critical OE (MCOE)** — Designed for large, powerful, back-end application servers and database servers, this OE contains the Enterprise OE bundles, plus applications such as HP Serviceguard and Workload Manager to enable a mission-critical server. This OE is bundled as `HPUX11i-OE-MC`.
- **HP-UX 11i v2 Technical Computing OE (TCOE)** — Designed for server applications, this OE contains extensive graphics applications and Math Libraries. This OE is bundled as `HPUX11i-TCOE`.

HP OnlineJFS 4.1 and 3.5 Always Installed on EOE and MCOE HP-UX 11i v2 September 2006 and Later

For the HP-UX 11i v2 September 2006 release and later releases, the OnlineJFS 4.1 product is always installed with the HP-UX 11i v2 Mission Critical Operating Environment (MCOE) and Enterprise Operating Environment (EOE). However, when you install the March 2006 or the June 2006 release of the MCOE or EOE from media, you must select which OnlineJFS version to install: 3.5 or 4.1. These versions of the product are not installed automatically from the MCOE or EOE media.

Cold-installing or updating to the HP-UX 11i v2 September 2006 or later MCOE or EOE from media will automatically install OnlineJFS 4.1 and VxFS 4.1 and EnableVXFS due to software dependencies. To restore your system to VxFS 3.5, and OnlineJFS 3.5, you must remove OnlineJFS 4.1 and Base-VXFS, reboot your system, and then re-install OnlineJFS 3.5 from the core OS media.

For more information, see the white paper, *Installation of VxFS 3.5 and VxVM 3.5 on HP-UX 11i v2* available at the HP Technical Documentation website:

<http://docs.hp.com>

Updated Products in HP-UX 11i v2 June 2008

The following table lists products that have been updated in the HP-UX 11i v2 June 2008 release.

Table 1 Updated Products for HP-UX 11i v2 June 2008

Updated Product	Description
Ignite-UX	Updated to support delivery of updated HP-UX 11i v2 Install Kernel for 2 drivers. No functional changes to Ignite-UX itself.
RAID-01	Delivers the driver <code>ciss</code> . For further information on specific changes in this release, see the <i>RAID-01 Mass Storage Driver Release Notes</i> . For further information on supported cards, see the <i>HP Smart Array RAID Controllers Support Matrix</i> . These documents are available at http://docs.hp.com/en/netcom.html (navigate to Smart Array (RAID)).
SerialSCSI-00	Delivers the driver <code>sasd</code> . For further information on specific changes in this release, see the <i>SerialSCSI-00 (sasd) Mass Storage Driver Release Notes</i> . For further information on supported cards, see the <i>SAS Host Bus Adapters Support Matrix</i> . These documents are available at http://docs.hp.com/en/netcom.html (navigate to SAS Host Bus Adapters).

Known Problems

This section contains critical, late-breaking information that was not included in the *HP-UX 11i v2 Installation and Update Guide*.

Before cold-installing or updating to HP-UX 11i v2, make sure you read this entire section and Appendix A in the *HP-UX 11i v2 Installation and Update Guide*.

For information and patches for other known problems, go to the HP IT Resource Center website:

<http://itrc.hp.com>

HP-UX Operating Environment Upgrade Limitations with HP Serviceguard Storage Management Suite Products

When you purchase an HP Serviceguard Storage Management Suite (SG SMS) Operating Environment (OE) bundle, the SG SMS software is provided on one DVD and the HP-UX OE (Mission Critical - MCOE, Data Center - DCOE, or High Availability - HAOE) is provided on a separate DVD.

The software provided on the SG SMS DVD relies on products and filesets that are provided on the OE DVD, including HP Serviceguard and the Veritas Storage Foundation products. Each SG SMS version relies on specific versions of HP Serviceguard and the Veritas Storage Foundation products that can change with new OE releases.

The software on the SG SMS DVD is installed using `swinstall`. If an HP-UX OE is installed on your system and you attempt to install a SG SMS version that is not supported with the versions of Serviceguard and Veritas Storage Foundation included with the OE, `swinstall` will detect the incompatible software and the installation will fail.

The software on the OE DVD is installed using `update-ux`. If a SG SMS bundle is installed on your system and you attempt to install or upgrade to an OE version that includes Serviceguard and Veritas Storage Foundation versions that are not supported with the SG SMS bundle, `update-ux` will not detect the incompatible software. The installation will complete, but the Serviceguard cluster will not start, or you will not be able to access the Veritas volumes. `update-ux` does not check for software dependencies.

What to Do For information on Serviceguard and Veritas Storage Foundation versions that are supported with various SG SMS bundles, see the “Compatibility Information and Installation Requirements” section in the *HP Serviceguard Storage Management Suite Release Notes* for your SG SMS product. The SG SMS documentation is available at <http://docs.hp.com> (navigate to **High Availability**, then to **HP Serviceguard Storage Management Suite**).

HP-UX Bastille B.3.0.29 Warning Message When Saving a Lockdown Configuration File

There is a known defect in HP-UX Bastille version B.3.0.29 that creates a spurious warning dialog box when the user attempts to use the GUI to Save/Apply a lockdown (configuration file).

What To Do Save the configuration file with `File:Save` and use the command called `bastille -b` to apply the configuration file to the system.

This defect has been fixed in HP-UX Bastille version B.3.0.31.

Unable to Unload Driver Error Message

If the system has many DLKM modules that depend on one another, whenever `insf(1M)` is executed, you may encounter the following message in the `console/syslog/dmesg` file:

```
"insf: Unable to unload the driver: pfil"
```

What To Do You may safely ignore this message. There will be no problems while working with the DLKM modules.

Error When Starting SMH Server

When you use the `/opt/hpsmh/bin/hpsmh autostart` command to start the System Management Homepage (SMH) server, the system displays the following error message in the `/var/opt/hpsmh/logs/smh.log` file:

```
"Error : The System Management Homepage server could not be started successfully."
```

The `/var/opt/hpsmh/logs/smh.log` file shows that hpsmh encountered a memory fault:

```
opt/hpsmh/lbin/hpsmh[179]: 18230 Memory fault.
```

Attempting to restart hpsmh returns the following error and `httpd` core file:

```
# /opt/hpsmh/bin/hpsmh autostart
Starting the System Management HomePage server ...
Pid 6186 in trap loop, signal 11
ERROR: The System Management HomePage server could
not be started successfully.
# file core
core: ELF-64 core file - IA64 from 'httpd' -
received SIGSEGV
#
```

What To Do Install linker patch PHSS_37201 or later. Once you have successfully installed the patch, start the SMH server using the following command:

```
/opt/hpsmh/bin/hpsmh autostart
```

Warning Message: Specified Process Does Not Exist

When cold-installing or updating your system to the HP-UX 11i v2 December 2007 release, you may encounter a warning message similar to the following in the `/var/adm/sw/swagent.logfile`:

```
kill: 829: The specified process does not exist.  
WARNING: Could not kill all "netfmt" processes.
```

What To Do You can safely ignore this message.

HP-UX File System Warning Message at Restart

The following message is displayed while loading some DLKM file system at the restart of the HP-UX 11i v2 system:

```
Notice: mod_fs_reg: Cannot retrieve  
configured loading phase from KRS for module:
```

```
..
```

What To Do You can safely ignore this message. After restarting your HP-UX 11i v2 system, no problems are encountered while working with DLKM file systems.

Web Resources

For additional help when cold-installing or updating HP-UX 11i v2 and related products, go to the Web:

- Latest HP-UX 11i v2 guides and white papers:

<http://docs.hp.com/hpux/os/11iv2>

- Guides in various languages:

<http://docs.hp.com>

- I/O Cards and Networking Software:

<http://www.docs.hp.com/en/netcom.html>

- Ignite-UX:

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

- HP Blades and Servers:

<http://www.hp.com/go/hpuxblade>

<http://www.hp.com/go/Integrity>

<http://www.hp.com/go/HP9000>

- HP-UX patches and patch information:

<http://itrc.hp.com>

Select **maintenance and support (hp products)**, then select the appropriate patching tools. To receive HP Security Bulletins, under **maintenance and support (hp products)**, select **subscribe to security bulletins & patch digests**.



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