

HP-UX 11i v2 Support Pack Read Before Installing

December 2009



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Welcome to HP-UX 11i v2 Support Pack December 2009

The HP-UX 11i v2 Support Pack December 2009 delivers the following:

- diagnostics (Online Diagnostics and System Fault Management)
- stable, defect-fix HP-UX patches (Quality Pack)
- optional HP-UX core enhancements (Software Pack)

December 2009 is the fourth release of the HP-UX 11i v2 Support Pack.

This DVD booklet describes the features of the HP-UX 11i v2 Support Pack media and provides installation instructions.



NOTE: In this document, `/cdrom` is used as only an example of a mount-point. You may choose to mount the Support Pack DVD at another mount-point.

Media Contents

The Support Pack DVD includes the following software and documentation.

Software

- **The “/” Depot**

Contains the Quality Pack (QPK) patch bundles, Base Quality Pack (QPKBASE) and Applications Quality Pack (QPKAPPS):

- **Applications Quality Pack (QPKAPPS) patch bundle**

Includes all stable, defect-fix patches for HP-UX Operating Environment applications See “Quality Pack Patch Bundles” (page 11).

- **Base Quality Pack (QPKBASE) patch bundle**

Includes all stable, defect-fix patches for the Core OS, graphics, and key networking drivers. See “Quality Pack Patch Bundles” (page 11).

- **The “/SoftwarePack” Depot**

Contains the Online Diagnostics (OnlineDiag) bundle, the System Fault Management (SysFaultMgmt) bundle, and the Software Pack (SPK) bundles:

- **Online Diagnostics (OnlineDiag) bundle**

Includes Support Tools Manager (STM) and EMS Hardware Monitors. See also “Diagnostics” (page 12).

- **System Fault Management (SysFaultMgmt) bundle**

Provides a collection of tools used to monitor the health of HP servers and receive information about hardware. See also “Diagnostics” (page 12).

- **Software Pack (SPK) bundles**

Provide optional core enhancements for HP-UX 11i v2. See also “Software Pack (Optional HP-UX 11i v2 Core Enhancements)” (page 14).

Documentation



NOTE: The entire <http://docs.hp.com/> content is being migrated to the HP Business Support Center (BSC) website, which houses both technical documentation and additional product support information. The migration of the HP-UX documentation collection is scheduled for completion in the fall of 2009. When complete, under the HP-UX section of the <http://docs.hp.com/> homepage, you will find a link to redirect you to the new Business Support Center location. For more information, visit the “More info on document moves to BSC” section at the bottom of the <http://docs.hp.com/> homepage.

- **QPK bundle readme files and patch text files**

Are available in text and HTML formats with hyperlinks to patch text files. The bundle readme files and patch text files are located under the /cdrom/DOCS/QPK directory.

- **Diagnostics information**

Is accessible through the Diagnostics home web page:

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

- **SPK bundle product and release notes**

Are located under /cdrom/DOCS/SoftwarePack/<feature>.

- **Detailed technical reference for patch operations**

Is provided by the *Patch Management User Guide for HP-UX 11.x Systems* at the following website:

<http://www.docs.hp.com/en/oshpux11iv2.html>

Mounting the Support Pack DVD

1. On the system, open a terminal window and log in as root.
2. Insert the Support Pack DVD into the drive.
3. If necessary, define a new directory as the mount point for the DVD drive. To define `/cdrom` as the mount point:

```
# mkdir /cdrom
```

4. If necessary, identify the drive device file:

```
# iocan -fnC disk
```

This command lists all recognized DVD drives and their associated device files. The filename will be something similar to `/dev/dsk/c1t2d0`

5. Mount the DVD drive to the mount-point directory:

```
# mount -r /dev/dsk/c1t2d0 /cdrom
```

6. Now you can access the DVD from the mount-point directory:

```
# ls /cdrom
```

Quality Pack Patch Bundles

The Quality Pack (QPK) consists of two patch bundles: the Base Quality Pack bundle and the Applications Quality Pack bundle. The Base Quality Pack bundle includes all stable, defect-fix patches for the Core OS, graphics, and key networking drivers. The Applications Quality Pack bundle includes all stable, defect-fix patches for HP-UX Operating Environment (OE) applications.

The Quality Pack Patch Bundles for HP-UX 11i v2 (B.11.23) have been updated in the December 2009 Support Pack release.

QPK bundle readme files and patch text files are available in text and HTML formats with hyperlinks to patch text files. The bundle readme files and patch text files are located under the `/cdrom/DOCS/QPK` directory.

Installing QPK Patch Bundles from the Support Pack DVD

After mounting the Support Pack DVD (see [“Mounting the Support Pack DVD”](#) (page 10)), execute the following command line to install the QPK bundles from the media. These `swinstall` options will reboot the system after installation of applicable QPK patches. Note that the depot under the `/cdrom` directory includes the `QPKBASE` and `QPKAPPS` bundles with patches that match the OE on the target system.

```
# swinstall -x autoreboot=true -x \  
-x patch_match_target=true -s /cdrom
```

Diagnostics

The Support Pack diagnostics software consists of the following product bundles:

- OnlineDiag bundle (Online Diagnostics)
- SysFaultMgmt bundle (System Fault Management)

Diagnostics information is accessible through the Diagnostics home web page:

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

Online Diagnostics The Online Diagnostics product delivers the following tools:

- EMS Hardware Monitors — enable you to monitor the operation of a wide variety of hardware products and be alerted of failure or any unusual activities.
- Support Tools Manager (STM) — provides a set of online support tools, enabling you to verify and troubleshoot system hardware, and to examine system logs.

The Online Diagnostics product has been updated in the December 2009 Support Pack release.

System Fault Management System Fault Management (SFM) is a collection of tools used to monitor the health of HP servers and receive information about hardware such as memory, CPU, power supplies, and cooling devices. SFM operates in the Web-Based Enterprise Management (WBEM) environment.

System Fault Management has been updated in the December 2009 Support Pack release.

Installing the Diagnostics Products from the Support Pack DVD

After mounting the Support Pack DVD (see “[Mounting the Support Pack DVD](#)” (page 10)), execute the following command line to install these products from the media. These `swinstall` options may reboot the system after installation of the selected products. However, systems with required patches already installed won't reboot.

```
# swinstall -x autoreboot=true -x \  
autoselect_patches=false \  
-s /cdrom/SoftwarePack OnlineDiag SysFaultMgmt
```

Software Pack (Optional HP-UX 11i v2 Core Enhancements)

Hewlett-Packard's Software Pack (SPK) delivers new, optional HP-UX 11i v2 core OS software. Recent SPK features are included in the HP-UX 11i v2 Support Pack media.

You can also download SPK products from the HP Software Depot:

- Go to <http://hp.com/go/softwaredepot>.
- Search for **SWPACKv2** (use the search box).
- Click **HP-UX Software Pack (Optional HP-UX 11i v2 Core Enhancements)**. At this site, you can read descriptions of specific products, as well as download them.

SPK bundle product and release notes are located under
`/cdrom/DOCS/SoftwarePack/<feature>`.

SPK Features Included on the Support Pack DVD

This release of Support Pack includes the following SPK software packages. Newly added with Support Pack December 2009 are the SPK features Malloc Next Generation and Cpio Command Enhancement.

Updated December 2009 (original release April 2009)

- Malloc Next Generation (bundle MallocNextGen)

Released July 2009

- Cpio Command Enhancement (bundle CpioCmdEnh)

Released December 2008

- LockfCFS (bundle LOCKFCFS)

Released September 2008

- Event Monitoring Service (bundle EventMonitoring)
- HP-UX BalancedFreelist 1.0 for HP-UX 11i version 2 (bundle BalancedFreelist)
- HP-UX Memory File System (MemFS) 3.0 for HP-UX 11i version 2 (bundle MemFS)

Released July 2008

- Bind Upgrade (bundle DNSUPGRADE)
- PAX-Enh (bundle PAX-ENH)
- PCI Error Handling (bundle PCIErrorHandling)

Released June 2008

- HP-UX Atomic APIs (bundle AtomicLib)

Released February 2008

- Kerberos Client (bundle KRB5CLIENT)

Released January 2008

- HP-UX Password Hash Infrastructure (bundle PHI)

Released December 2007

- PCI Error Handling (bundle PCIErrorHandling)

Released September 2007

- HP-UX Memory File System (bundle MemFS)
- SCTP (bundle HPUX-SCTP)

Released June 2007

- DUMPAAEnable (bundle DumpAASupport)
- Enhanced USERMOD-Enh command (bundle UsermodRestHome)
- HP-UX LoginNLS (bundle LoginLang)
- HP-UX Parallel Umounts (bundle UmountallEnh)
- HP-UX Role-Based Access Control (bundle AccessControl)
- HP-UX Security Containment (bundle SecurityExt)
- HP-UX Standard Mode Security Extensions (bundle StdModSecExt)
- Node and Host Name Expansion (bundle NodeHostNameXpnd)
- ONC with Publickey LDAP Support (bundle ENHKEY)
- Portability Package (bundle PortPkg)
- TRUFGREP command (bundle FGREPMLTPAT)

Released November 2007

- HP-UX *sar*(1) for Memory Filesystems (bundle SAR-MEMFS-ENH)

Released November 2006

- Bind Upgrade (bundle DNSUPGRADE)

Installing SPK Products from the Support Pack DVD



IMPORTANT: Before installing any SPK feature, read the feature's product note or release note located in the `/cdrom/DOCS/SoftwarePack/<feature>` directory.

After mounting the Support Pack DVD (see “[Mounting the Support Pack DVD](#)” (page 10)), execute the following command line to install these products from the media. These `swinstall` options may reboot the system after installation of the selected products.

```
# swinstall -x autoreboot=true -x \  
autoselect_patches=false \  
-s /cdrom/SoftwarePack <SPK bundle>
```

Downloading Patches and Getting Help

To download individual patches or bundles not included in this release or media, or to get technical support and other patch management services, go to the HP IT Resource Center (ITRC) website:

<http://itrc.hp.com>

Use the ITRC to do the following:

- Find and download individual patches quickly and accurately.
- View and download current and past standard HP-UX patch bundles, like Support Pack.
- Access customized support tools quickly.
- Make informed decisions with proactive information.
- Access a rich knowledge database to solve problems quickly.
- Submit hardware and software calls online.
- Get one-stop access to software updates for your support entitlements.

Web Resources

For additional help with HP-UX patching, go to the web:

- HP-UX patches, patch bundles, and patch information at the HP IT Resource Center:

<http://itrc.hp.com>

Log in, then click **Patch database**.

- Security bulletin subscriptions:

<http://itrc.hp.com>

Log in, then click **Subscribe to proactive notifications and security bulletins**.

- *Patch Management User Guide for HP-UX 11.x Systems*:

<http://www.docs.hp.com/en/oshpux11iv2.html>

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

<http://www.docs.hp.com/en/oshpux11iv2.html>

- Diagnostics information:

<http://docs.hp.com/en/diag.html>

- HP Software Depot:

<http://hp.com/go/softwaredepot>

- Ignite-UX:

<http://www.hp.com/go/ignite-ux-docs>

- Software Distributor (SD):

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



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