

HP-UX 11i v3 Read Before Installing or Updating

March 2010



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Welcome to HP-UX 11i v3

HP-UX 11i v3 delivers the highest level of integrated virtualization and automation. HP-UX 11i v3 dynamically reduces complexity and cuts deployment times to maximize return on investment.

This DVD booklet provides the following information:

- Contents of the HP-UX 11i v3 media kit.
- Descriptions of the Operating Environments.
- New products included in this release. See the *HP-UX 11i Version 3 Release Notes* for more information.
- Critical, late-breaking cold-install and update issues not in the *HP-UX 11i v3 Installation and Update Guide*.

You can access the *HP-UX 11i v3 Installation and Update Guide* and the *HP-UX 11i Version 3 Release Notes* on the Instant Information DVD and at <http://hp.com/go/hpux-core-docs>.

Media kit contents

This document is part of the HP-UX 11i v3 media kit, which includes the following DVDs and documentation:

- **HP-UX 11i v3 (B.11.31) OE DVDs** — This multi-DVD set contains an Operating Environment (OE).
- **HP-UX 11i v3 (B.11.31) Application Software DVDs** — Contains HP-UX application software.
- **HP-UX 11i v3 Instant Information DVD** — Contains various HP-UX manuals, release notes, white papers, manpages, and other documentation. The DVD has a table of contents that will show you all the documents it contains. The DVD is particularly useful if you don't want to go on the web.

- The following document can be found in the media kit and on the web at <http://hp.com/go/hpux-core-docs>:
 - ***HP-UX 11i v3 Read Before Installing or Updating*** (this document)
 - Provides last-minute information for HP-UX 11i v3. Read this booklet before cold-installing or updating HP-UX.



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

- The following documents can be found on the HP-UX 11i v3 Instant Information DVD and on the web at <http://hp.com/go/hpux-core-docs>:
 - ***HP-UX 11i Version 3 Release Notes*** — Describes new features and functionality changes for HP-UX 11i v3.
 - ***HP-UX 11i v3 Installation and Update Guide*** — Describes system requirements and provides instructions for cold-installing or updating to the latest release of HP-UX. Also includes information about known install/update problems.

HP-UX 11i v3 Operating Environments

Starting with the March 2008 release, HP presents a set of new Operating Environments for HP-UX 11i v3. These new Operating Environments, described in Table 1, provide a richer set of products and improved choices over the original set of HP-UX 11i OEs.

Detailed information on the new HP-UX 11i v3 OEs can be found at www.hp.com/go/hpux11iv3.

For more information on transition, mapping, etc. from original OEs to new OEs, see

<http://h20338.www2.hp.com/hpux11i/us/en/products/hpux11iv3-oes-support-costs.html>

Table 1 New HP-UX 11i v3 Operating Environments

New OE	Description
Base OE (BOE)	Provides integrated HP-UX functionality for cost-conscious customers. The BOE contains all the applications included in the Foundation OE, and improves the bundle set by adding much-requested products such as Process Resource Manager (PRM), APA, as well as math libraries and graphics for technical computing applications. This OE is bundled as HPUX11i-BOE.
Virtual Server OE (VSE-OE)	Designed for customers seeking higher resource utilization or embarking on consolidation projects, and those who need virtualization for a flexible UNIX environment. The VSE-OE contains all the products included in the BOE (and the original EOE) and adds a host of other products including the entire VSE Suite. This OE is bundled as HPUX11i-VSE-OE.

Table 1 New HP-UX 11i v3 Operating Environments *(continued)*

New OE	Description
High Availability OE (HA-OE)	For customers requiring high availability for large mission-critical applications, this OE contains all the products included in the BOE (and the original EOE), plus applications such as HP Serviceguard and HA toolkits required to enable a mission-critical server. This OE is bundled as HPUX11i-HA-OE.
Data Center OE (DC-OE)	For customers who need both flexibility and high availability, the Data Center OE provides mission-critical virtualization by combining the robust product selection in the VSE-OE and HA-OE in one integrated and tested bundle. This OE contains all the products included in the BOE, VSE-OE, HA-OE (and the original MCOE) and is bundled as HPUX11i-DC-OE.

Finding the latest firmware updates

Firmware changes frequently. Make sure your system has the latest firmware installed to support, for example, the latest versions of I/O adapters, mass storage devices, and devices used when you install from media or a network depot.

- Find information at the Business Support Center.

The system firmware files, installation instructions, and release notes with detailed firmware version information can be obtained by selecting **Download Drivers and Software** at the Business Support Center website (<http://hp.com/bizsupport>). This provides a searchable database for various products or you can follow the product links to select the latest firmware download for your specific server product. Be sure to read the firmware release notes to ensure a successful update. In general, HP recommends that you update to the latest firmware available before installing or updating to HP-UX 11i v3.

- Use Subscriber's Choice for the latest firmware updates.

HP recommends that you sign up for Subscriber's Choice so you can automatically receive email notices for the latest firmware updates. Make sure you register all your products to receive the appropriate firmware update notices. At the ITRC website (<http://itrc.hp.com>), click **More maintenance and support options**, then **Subscribe to proactive notifications and security bulletins**.

Updating from HP-UX 11i v1 to HP-UX 11i v3 is not supported

Updating from HP-UX 11i v1 to HP-UX 11i v3 is not supported. You must first update to an HP-UX 11i v2 Operating Environment. Alternatively, you can do a cold-install of HP-UX 11i v3. See the *HP-UX 11i v2 Installation and Update Guide* (<http://hp.com/go/hpux-core-docs>) for information on how to update from HP-UX 11i v1 to HP-UX 11i v2. In addition, make sure your system meets the minimum system and disk space requirements before updating from HP-UX 11i v2 to HP-UX 11i v3.

HP-UX Virtual Partitions and HP Integrity Virtual Machines are incompatible

HP-UX Virtual Partitions (vPars) is not compatible with HP Integrity Virtual Machines (Integrity VM). The vPars and Integrity VM products cannot be installed on the same nPartition or the same virtual partition.

Integrity VM cannot be installed on a system that has vPars software installed. There is a check during Integrity VM installation preventing it.

Procedures for installing VxFS and VxVM are new as of September 2009

Starting with the September 2009 OEUR, the default-install of VxFS has changed from 4.1 to 5.0, and VxVM 4.1 has been replaced by VxVM 5.0. This has important implications for several install scenarios. For information on how this may impact you, consult Appendix B: “Installing VxFS and VxVM” of the *HP-UX 11i v3 Installation and Update Guide*, September 2009 or later (<http://hp.com/go/hpux-core-docs>).

What's new in this release

Table 2 provides a quick overview of what is **new** in the HP-UX 11i v3 March 2010 release.

For further information on what is new or has **changed**, see the *HP-UX 11i Version 3 March 2010 Release Notes* (<http://hp.com/go/hpux-core-docs>).

For a list of the associated bundle tags, see the *HP-UX 11i v3 Installation and Update Guide, March 2010* (<http://hp.com/go/hpux-core-docs>).

Table 2 New products and features in HP-UX 11i v3 March 2010

New Product/feature	Description
HP Insight Control power management	A component of HP Insight Control, it is an HP Systems Insight Manager (HP SIM) plug-in application that provides centralized monitoring and control of server power consumption and thermal output, sets power regulation policies for groups of servers, and optimizes and controls usage of data center power and cooling facilities. Newly added as an <i>optional</i> (selectable) product.
Hardware path aliasing feature	New feature enhances storage manageability in the Mass Storage Stack. Delivered as patches in the FEATURE11i bundle.

Table 2 New products and features in HP-UX 11i v3 March 2010 *(continued)*

New Product/feature	Description
Integrity VM Online Migration Software (OVMM)	Provides support for online migration of Integrity Virtual Machines from one VM Host to another VM Host without service interruption. Newly added as <i>optional</i> (selectable) software in VSE-OE and DC-OE. Bundle T8718AC.
Insight managed system setup wizard	Configures systems to enable them to be managed by HP Systems Insight Manager software (HP SIM) and its plug-in applications. Newly added as <i>optional</i> (selectable) software for all OEs. Bundle MgdSysSetupWzrd.
HP-UX Directory Server (HPDS)	Version B.08.10.01 replaces the Red Hat Directory Server for HP-UX (RHDS) product line. Several enhancements improve manageability of users and ease of administration of Directory Server. <i>Optional</i> (selectable) software in all OEs.
HP-UX LongPassword for HP-UX 11i v3	Increases the maximum password length to 255 characters. Only available on HP-UX 11i v3 systems with shadowed passwords. Newly added as <i>optional</i> (selectable) software.
MountallEnh	Enables machines with a large number of mounted filesystems to boot-up faster.

Table 2 New products and features in HP-UX 11i v3 March 2010 (*continued*)

New Product/feature	Description
SAR-MEMFS-ENH	Enables you to obtain MemFS data with the <i>sar(1M)</i> command. Added as <i>optional</i> (selectable) software in all OEs.
<i>trufgrep(1)</i> command	Performs better than <i>fgrep(1)</i> command with a more efficient algorithm. <i>FGREP_MULTPAT</i> bundle is <i>optional</i> (selectable) software in all OEs.
Mostly Private Address Space (MPAS) application model	With this enhancement, performance of MPAS applications is increased dramatically, severalfold in some cases. Delivered as patches in the <i>FEATURE11i</i> bundle.



NOTE: Numerous existing HP-UX 11i v3 products also provide new features and enhancements in March 2010. For further information, see the *HP-UX 11i Version 3 March 2010 Release Notes* (<http://hp.com/go/hpux-core-docs>).

Known problems

Before cold-installing or updating to HP-UX 11i v3, make sure you read “Appendix A: Harmless messages and known problems,” in the *HP-UX 11i v3 Installation and Update Guide* (<http://hp.com/go/hpux-core-docs>).

For information about other known problems, see the product's own documentation. Further information and patches can be found at the IT Resource Center (<http://itrc.hp.com>).

Errata

On page 109 of the *HP-UX 11i v3 March 2010 Release Notes*, the version for RCEnhancement should be B.11.31.1003.02 (not B.11.31.1003.%01).

Web resources

For additional help when cold-installing or updating HP-UX 11i v3 and related products, go to the web:

- HP-UX 11i v3 Documentation

Includes the *HP-UX 11i v3 Installation and Update Guide*, the *HP-UX 11i Version 3 Release Notes*, and *HP-UX 11i v3 Read Before Installing or Updating* (this document on the web). Be sure to select the document appropriate for your release.

<http://hp.com/go/hpux-core-docs>

- *HP-UX System Administrator's Guide*

<http://hp.com/go/hpux-core-docs>

- Ignite-UX

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

- Software Depot

<http://software.hp.com>

- IT Resource Center (ITRC)

<http://itrc.hp.com>



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