

HP-UX 11i v3 Read Before Installing or Updating

March 2012

HP Part Number: BA927-90165
Published: March 2012



© Copyright 2012 Hewlett-Packard Development Company, L.P.

Legal Notices

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Contents

Welcome to HP-UX 11i v3.....	4
Media kit contents.....	5
DVDs.....	5
Documentation.....	5
HP-UX 11i v3 Operating Environments.....	7
Firmware requirements.....	9
Procedures for installing VxFS and VxVM are new.....	9
What's new in this release.....	10
Harmless messages and known problems.....	14
Web resources.....	15

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.

For information about critical, late-breaking cold-install and update issues, see the *HP-UX 11i v3 Installation and Update Guide* at <http://www.hp.com/go/hpux-core-docs-11iv3>. The web version of the *Guide* contains the most up-to-date information.

Media kit contents

DVDs

Depending on your service contract with HP, your kit may contain one or more of the following items:

- **HP-UX 11i v3 (B.11.31) OE Multi-DVD Set** — Contains an Operating Environment (OE).
- **HP-UX 11i v3 (B.11.31) Application Software Multi-DVD Set** — Contains HP-UX application software.
- **HP-UX 11i v3 Instant Information DVD** — Contains various HP-UX documents. Useful if you don't want to go on the web.

Documentation

NOTE: Beginning in August 2011, the web is the primary delivery source of technical documentation for HP-UX Operating Environments and Application Products. Web delivery supports HP's Green Business Technology Initiative to reduce packaging and also supports our HP-UX Technical Documentation goal to keep information up-to-date and easily accessible. Pointers to HP-UX documentation collections are listed in *Accessing the Former docs.hp.com Software Documentation*, which is available on the Business Support Center at <http://www.hp.com/go/hpux-core-docs-11iv3>.

The following documents are available on the Instant Information DVD and on the web at <http://www.hp.com/go/hpux-core-docs-11iv3>.

- ***HP-UX 11i Version 3 Release Notes*** — Describes what is new or changed for HP-UX 11i v3.
- ***HP-UX 11i v3 Installation and Update Guide*** — Describes system requirements, provides instructions for cold-installing or updating HP-UX, and includes information about known install/update problems.
- ***HP-UX 11i v3 Read Before Installing or Updating*** — This document.

HP-UX 11i v3 Operating Environments

Table 1 HP-UX 11i v3 Operating Environments

New OE	Description
Base OE (BOE)	Provides integrated HP-UX functionality for customers requiring less complex installations. The BOE contains all the applications included in the Foundation OE, and improves the bundle set by adding much-requested products such as HP Process Resource Manager (PRM) and APA. This OE is bundled <code>HPUX11i-BOE</code> .
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 HP Matrix Operating Environment for HP-UX (formerly HP Insight Dynamics – VSE for Integrity). The VSE-OE is bundled as <code>HPUX11i-VSE-OE</code> .
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, SGeRAC,

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

New OE	Description
Data Center OE (DC-OE)	and HA toolkits required to enable a mission-critical server. This OE is bundled as <code>HPUX11i-HA-OE</code> . 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 <code>HPUX11i-DC-OE</code> .

Firmware requirements

Make sure your system meets the minimum firmware requirements for HP-UX 11i v3 (B.11.31). New IO adapters and certain virtualization applications may require updated firmware. Check the product documentation for further information.

For information about finding firmware, see the *HP-UX 11i v3 Installation and Update Guide* at <http://www.hp.com/go/hpux-core-docs-11iv3>.

Procedures for installing VxFS and VxVM are new

Starting with the September 2009 Operating Environment Update Release (OEUR), the installation of VxFS and VxVM changed. The HP-UX 11i v3 OEUR included the 4.1 and 5.0 versions of VxFS. The *recommended* (default-installed) selection was VxFS 5.0 plus LVM. In the September 2011 OEUR, the *recommended* (default-installed) selection for all systems was VxFS 5.0.1 plus LVM.

As of the March 2012 OEUR, VxFS 5.0.1 is *required* (always-installed) and LVM is *recommended* (default-installed). This has important implications for several install scenarios. For information on how this may impact you, consult Appendix B: “Installing VxFS, OnlineJFS, LVM, and VxVM” of the *HP-UX 11i v3 Installation and Update Guide, March 2012* or later (<http://www.hp.com/go/hpux-core-docs-11iv3>).

What's new in this release

The following table lists **new** products and features in the March 2012 OEUR. For information on what has **changed**, see the *HP-UX 11i Version 3 March 2012 Release Notes* (<http://www.hp.com/go/hpux-core-docs-11iv3>). Numerous existing HP-UX 11i v3 products also provide new features and enhancements in March 2012.

For a list of the OE contents and associated bundle tags, see the *HP-UX 11i v3 Installation and Update Guide, March 2012* (<http://www.hp.com/go/hpux-core-docs-11iv3>).

Table 2 New products and features in HP-UX 11i v3 March 2012

New Product/feature	Description
SCSI Persistent Reservation Utilities	Command utilities allow querying and changing Persistent Reservations and Registrations on a disk. Added as a <i>recommended</i> (default-installed) product in all OEs. See <i>SCSI Persistent Reservation Utilities Release Notes</i> at http://www.hp.com/go/hpux-core-docs-11iv3 .
HP Serviceguard Toolkit for Integrity Virtual Servers	Facilitates seamless integration of HP Integrity Virtual Machines with HP Serviceguard. Aids in creating Serviceguard packages for VM and helps to start, stop, and monitor VM on VM Hosts. Enables you to configure a VM as a package and provides high availability to virtual machines configured in HP-UX servers. New features for the March 2012 release include support for Online

Table 2 New products and features in HP-UX 11i v3 March 2012 *(continued)*

New Product/feature	Description
HP-UX GUID (globally unique identifier) Manager	<p>VM migration for Vm-as-SG-node, support for vPar, and support for DIO LAN and NPIV disk monitoring on the VM/vPar guest. Added as a <i>recommended</i> (default-installed) product in the DC-OE, HA-OE, and VSE-OE. See <i>HP Serviceguard Toolkit for Integrity Virtual Servers Release Notes</i> at http://www.hp.com/go/hpux-serviceguard-docs. (Select HP Serviceguard Toolkit for Integrity Virtual Servers.)</p> <p>Is a client-server based product that allocates and manages unique World-Wide Names (WWNs) for N_Port ID Virtualization (NPIV) Host Bus Adapters (HBAs), so you do not have to perform these tasks manually. Integrated with the HP-UX vPars and Integrity VM v6.1 product to support NPIV. Also integrated with HP Integrity Virtual Server Manager to support managing the database. Added as an <i>optional</i> (selectable) product to all OEs. See <i>HP-UX GUID Manager Administrator Guide</i> at http://www.hp.com/go/virtualization-manuals.</p>
SoftRebootEnh	<p>Reduces OS reboot time experienced during routine system maintenance. Achieves downtime reduction by skipping the platform hardware reset and</p>

Table 2 New products and features in HP-UX 11i v3 March 2012 *(continued)*

New Product/feature	Description
HP 9000 Containers	<p>booting the next kernel directly from the current OS instance. Available on SD32B/64B nPar systems only. Newly added as an <i>optional</i> (selectable) product in all OEs. See the SoftReboot documentation at http://www.hp.com/go/hpux-core-docs-11iv3.</p> <p>Provides a mechanism to re-host the complete HP 9000 user space environment without the need to re-compile and re-install individual applications, and with minimal re-configuration and application inventory preparation effort. Hosts transitioned HP 9000 environment inside a <code>chroot</code> directory. Uses HP-UX Containers (a.k.a. SRP) for isolated execution environments (containers) and HP ARIES dynamic binary translator as underlying execution layer. Provides two types of containers: HP 9000 system (file system isolation, multiple containers on same kernel); and HP 9000 classic (shared file system, trusted mode support). Newly delivered as an <i>optional</i> (selectable) product in all OEs. See <i>HP 9000 Containers A.03.01 Release Notes</i> at http://www.hp.com/go/hp9000-containers.</p>
HP-UX vPars and Integrity VM v6.1	Brings together vPars and Integrity VM functionality in a single, common easy-to-use management

Table 2 New products and features in HP-UX 11i v3 March 2012 *(continued)*

New Product/feature	Description
	environment. Delivered in the VSE-OE and DC-OE. See <i>HP-UX 11i v3 March 2012 Release Notes</i> at http://www.hp.com/go/hpux-core-docs-11iv3 .
VFS-LOCKF-ENH	Delivers an enhanced file segment lock kernel module, <i>vfs_lock_enh</i> , in the Virtual File System (VFS) layer to provide the 64-bit file segment lock feature and other enhancements. Delivered as an <i>optional</i> (selectable) product in all OEs. See https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=VfsLockfEnh .
Restricted Root	Provides new security options that extend password and login policies to the root account. This shadow mode enhancement allows implementation of stricter security policies that were previously only available on trusted mode systems. See <i>HP-UX 11i v3 March 2012 Release Notes</i> at http://www.hp.com/go/hpux-core-docs-11iv3 .

Harmless messages and 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://www.hp.com/go/hpux-core-docs-11iv3>). The web version of the *HP-UX 11i v3 Installation and Update Guide* is the most up-to-date version of the document.

For information about other known problems, see the product's own documentation at the HP Business Support Center (<http://hp.com/bizsupport>). Further information and patches can be found at the HP Support Center (<http://hp.com/go/hpsc>).

Web resources

- Core HP-UX 11i v3 Documentation
Includes *HP-UX 11i v3 Installation and Update Guide*, *HP-UX 11i Version 3 Release Notes*, and *HP-UX 11i v3 Read Before Installing or Updating*, as well as the multi-volume *HP-UX System Administrator's Guide*. Be sure to select the document appropriate for your release.
<http://www.hp.com/go/hpux-core-docs-11iv3>
- HP Business Support Center
Includes documentation for HP-UX software, as well as HP products.
<http://hp.com/bizsupport>
- HP Support Center (HPSC)
The HP IT Resources Center (<http://itrc.hp.com>) portal has been retired and was migrated to the HPSC in June 2011.
<http://hp.com/go/hpsc>
- HP_UX_Docs Twitter account
http://www.twitter.com/HP_UX_Docs
- Documentation Feedback to HP
docsfeedback@hp.com



* B A 9 2 7 - 9 0 1 6 5 *