



**Hewlett Packard**  
Enterprise

# HP-UX 11i v3 Read Before Installing or Updating

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# Hewlett Packard Enterprise secure development lifecycle

Starting with HP-UX 11i v3 March 2013 update release, Hewlett Packard Enterprise secure development lifecycle provides the ability to authenticate HP-UX software. Software delivered through this release has been digitally signed using a Hewlett Packard Enterprise private key. You can now verify the authenticity of the software before installing the products, delivered through this release.

To verify the software signatures in signed depot, the following products must be installed on your system:

- B.11.31.1303 or later version of SD (Software Distributor)
- A.01.02.00 or later version of HP-UX Whitelisting (`WhiteListInf`)

To verify the signatures, run: `/usr/sbin/swsign -v -s <depot_path>`

For more information, see *Software Distributor documentation* at: <http://www.hpe.com/info/sd-docs>.

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**NOTE:** Ignite-UX software delivered with HP-UX 11i v3 March 2014 release or later supports verification of the software signatures in signed depot or media, during cold installation. For more information, see *Ignite-UX documentation* at: <http://www.hpe.com/info/ignite-ux-docs>.

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# Welcome to HP-UX 11i v3

HP-UX 11i v3 delivers one of 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 *HP-UX 11i v3 Installation and Update Guide* at <http://www.hpe.com/info/hpux-core-docs-11iv3>. The web version of this *Guide* contains the most up-to-date information.

# Media kit contents

## DVDs

Depending on your service contract with Hewlett Packard Enterprise, 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 do not want to go on the web.

## Documentation

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**NOTE:** Beginning with August 2011, the web is the primary delivery source of technical documentation for HP-UX Operating Environments and Application Products. Web delivery supports the Hewlett Packard Enterprise 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 *A Guide to HP-UX Document Collections* or *A Guide to HPE Enterprise Software Documentation*, available at <http://www.hpe.com/info/hpux-core-docs-11iv3>.

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The following documents are available on the Instant Information DVD (also referred as iiDVD) and on the web at <http://www.hpe.com/info/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. It describes last-minute information for HP-UX 11i v3. Read it before cold-installing or updating HP-UX.

# HP-UX 11i v3 Operating Environments

**Table 1 HP-UX 11i v3 Operating Environments**

<b>New OE</b>	<b>Description</b>
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 as <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 HPE 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)*

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<b>New OE</b>	<b>Description</b>
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> .

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**NOTE:** For more information about Operating Environments, see [HP-UX 11i v3 Operating Environments Data sheet](#).

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## 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 *HP-UX 11i v3 Installation and Update Guide* at <http://www.hpe.com/info/hpux-core-docs-11iv3>.

## Procedures for installing VxFS and VxVM are new as of March 2014

Starting with September 2009 Operating Environment Update Release (OEUR), the installation of VxFS and VxVM have 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 September 2011 OEUR, the *recommended* (default-installed) selection for all systems was VxFS 5.0.1 plus LVM.

As of 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, see Appendix B: “Installing VxFS, OnlineJFS, LVM, and VxVM” of *HP-UX 11i v3 Installation and Update Guide, March 2014* or later (<http://www.hpe.com/info/hpux-core-docs-11iv3>).

Starting with March 2014 OEUR, VxFS 4.1, VxFS 5.1 SP1, and VxVM 5.1 SP1 are included in the OEUR and AR media. However, VxFS 5.1 SP1 is *required* (always-installed) product. This means that you can no longer deselect VxFS 5.1 SP1 (Base-VxFS-51) in the Ignite-UX tool. Base-VxVM-51 is shipped as (optional) product and you must explicitly select in Ignite-UX tool for installation.

VxFS 5.0.1 and VxVM 5.0.1 are no longer shipped in the OEUR and AR media. They are available as independent download.

## What's new in this release

The following table lists **new** products and features in the March 2016 OEUR. For information on what has **changed**, see the *HP-UX 11i Version 3 March 2016 Release Notes* (<http://www.hpe.com/info/hpux-core-docs-11iv3>). Numerous existing HP-UX 11i v3 products also provide new features and enhancements in March 2016.

For a list of the OE contents and associated bundle tags, see the *HP-UX 11i v3 Installation and Update Guide, March 2016* (<http://www.hpe.com/info/hpux-core-docs-11iv3>).

**Table 2 New products and features in HP-UX 11i v3 March 2016**

New product/feature	Description
hpuxws22PHP	New version of PHP 5.6 is available on HP-UX 11iv3.  See <i>PHP 5.6 Release Notes</i> at <a href="http://www.hpe.com/downloads/HPUXWSP56">http://www.hpe.com/downloads/HPUXWSP56</a>
TC097GA	Version 12.00 enables to monitor a system by collecting metrics that indicate the condition, performance, and availability of the system. This release includes significant enhancements in installer program. New features such as Agent Health View, Metric Datastore, and SNMP Trap Interceptor are introduced. You can use HP Operations Agent in an environment managed by HP Operations Manager, and HP Operations

**Table 2 New products and features in HP-UX 11i v3 March 2016**  
(continued)

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New product/feature	Description
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	Manager i with additional licenses. See <i>HP Operations Agent Release Notes</i> at <a href="http://www.hpe.com/support/HP-OA">http://www.hpe.com/support/HP-OA</a> .
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## Harmless messages and known problems

Before cold-installing or updating to HP-UX 11i v3, ensure you read, "Appendix A: Harmless messages and known problems," in *HP-UX 11i v3 Installation and Update Guide* (<http://www.hpe.com/info/hpux-core-docs-11iv3>). The web version of *HP-UX 11i v3 Installation and Update Guide* is the most up-to-date version of the document.

For more information about other known problems, see product's documentation at HPE Support Center – Hewlett Packard Enterprise website (HPESC) at <http://www.hpe.com/support/hpesc>. Further information and patches can also be found at HPESC.

## 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*, and the multi-volume *HP-UX System Administrator's Guide*. Ensure to select the document appropriate for your release.

<http://www.hpe.com/info/hpux-systemadmin-docs>

- **HPE Support Center – Hewlett Packard Enterprise website (HPESC)**

Includes documentation for HP-UX software and other Hewlett Packard Enterprise products.

HP IT Resources Center portal has been retired and was migrated to the HPESC in June 2011. You can find the documentation at <http://www.hpe.com/support/hpesc>.

## Support policy for HP-UX

For more information about support policy for HP-UX, see [HP-UX support policy](#).

## Documentation feedback

Send any errors, suggestions, or comments to Documentation Feedback ([docsfeedback@hpe.com](mailto:docsfeedback@hpe.com)).



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