

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

March 2009



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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 System and Operating Environments.
- New products included in this release. See the *HP-UX 11i Version 3 Release Notes* (<http://docs.hp.com/hpux/os/11iv3>) for details.
- Critical, late-breaking cold-install and update issues not in the *HP-UX 11i v3 Installation and Update Guide*.

See the *HP-UX 11i v3 Installation and Update Guide* supplied with the HP-UX 11i v3 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/11iv3>



**NOTE:** 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. However, you can do a cold-install of HP-UX 11i v3 if you are running HP-UX 11i v1. See the *HP-UX 11i v2 Installation and Update Guide* 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.

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# Media Kit Contents

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

- **HP-UX 11i v3 (B.11.31) DVD (2-DVD set)** — Contains the HP-UX Operating System (OS), Operating Environments (OEs), required networking software, Update-UX, Ignite-UX, and online diagnostics.
- **HP-UX 11i v3 (B.11.31) Application DVD** — Contains HP-UX application software.
- **HP-UX 11i v3 Instant Information DVD** — Contains HP-UX manuals, release notes, and white papers. See the DVD booklet for more information.
- *Read Before Installing or Updating to HP-UX 11i v3* — (this document) Provides last-minute information for HP-UX 11i v3. Read this booklet before cold-installing or updating HP-UX 11i v3.
- *HP-UX 11i v3 Installation and Update Guide* — Describes the media kit and instructions to cold-install or update to the latest release of HP-UX.
- *HP-UX 11i v3 Release Notes* — Describes new features and functionality changes for HP-UX 11i v3. On the Instant Information DVD and at <http://docs.hp.com/en/oshpux11iv3>
- *Configuring HP-UX for Different Languages* — Provided in localized media kits. The English version of this manual is on the Instant Information DVD and at <http://docs.hp.com/en/oshpux11iv3>
- *VSE Management Software Version 4.1 Installation and Update Guide for HP-UX* — Describes the VSE Management Software system



installation instructions and post-installation steps that are required to configure the VSEgmt package after installation from the OE. Please review this document before installing the optional VSEgmt package in the OE. This document is also available at

<http://docs.hp.com/en/T8671-90045/>

For more information about the VSEgmt package in the OE, see the *HP-UX 11i Version 3 March 2009 Release Notes* (<http://docs.hp.com/en/oshpux11iv3>).



**NOTE:** You should also consult the *HP VSE Management Software Version 4.1 Release Notes for HP-UX* for late additions and corrections to the VSE Management Software documentation. This document is also available at

<http://docs.hp.com/en/T8671-90054/>

- ***HP Insight Dynamics – VSE and HP VSE Management Software 4.1 Getting Started Guide*** — Provides an overview of HP Insight Dynamics — VSE for HP ProLiant systems and the VSE Management Software for HP Integrity systems. Also available at <http://docs.hp.com/en/T8671-90036/>
- ***HP Insight Dynamics – VSE and HP VSE Management Software Version 4.1 Support Matrix*** — Describes the system requirements for HP Insight Dynamics — VSE for HP ProLiant systems and the VSE Management Software for HP Integrity systems. Also available at <http://docs.hp.com/en/T8671-90062/>

## Original HP-UX 11i v3 Operating Environments

The March 2008 release of HP-UX 11i v3 was the last full Operating Environments Update Release (OEUR) provided for original HP-UX 11i Operating Environments (OEs).

Although the end of sale for HP-UX 11i v3 media of original OEs (March 2008 release) was October 30th 2008, you may still continue to purchase licenses for these products. These licenses, along with OE media for version 1 and version 2 will also be available until the planned end of sales life for the original OEs.

Information on transition, support, and mapping from original to new v3 OEs can be found at

<http://www.hp.com/go/tov3oes>

## New HP-UX 11i v3 Operating Environments

The March 2009 release represents HP's third release of new Operating Environments (OEs) for version 3 of HP-UX 11i. These new OEs, listed 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](http://www.hp.com/go/hpux11iv3)

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

<b>New OE</b>	<b>Description</b>
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 <code>HPUX11i-BOE</code> .
Virtual Server OE (VSE-OE)	Designed for customers seeking higher resource utilization or embarking on consolidation projects and 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 <code>HPUX11i-VSE-OE</code> .

**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 HP-UX 11i - 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 HP-UX 11i - DC - OE.

## Use Subscriber's Choice for 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. Go to the IT Resource Center (<http://itrc.hp.com>), click **More maintenance and support options**, then click **Subscribe to proactive notifications and security bulletins**.

You can also go to the Business Support Center website at <http://www.hp.com/go/bizsupport> for the latest HP-UX 11i firmware updates. To obtain the system firmware files, installation instructions, and release notes with detailed firmware version information select **Download Drivers and Software**.

This site provides a searchable database for various products or you can follow the **Server** link to select the latest firmware download for your specific server product.

Make sure you read the release notes for the firmware 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.

For a matrix of system firmware for I/O adapters with HP-UX 11i v3 boot support, as well as the minimum system firmware requirements for HP-UX 11i v3, refer to the documents at

<http://docs.hp.com/en/hw.html#System%20Firmware>

# HP-UX Virtual Partitions Not Compatible with HP Integrity Virtual Machines

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

HP Integrity Virtual Machines (Integrity VM, hpvm) cannot be installed on a system that has HP-UX Virtual Partitions (vPars) software installed. There is a check during Virtual Machines installation preventing it.

## Important: New Changes in Procedures for Installing VxFS and VxVM

Previous HP-UX 11i v3 Operating Environment Update Releases (OEURs) included VxFS 4.1 and VxVM 4.1. Starting with the September 2008 OEUR, the following versions are included: VxFS 4.1, VxFS 5.0, and VxVM 5.0. Only VxFS 4.1 is installed by default, meaning that all other versions are optional. This has important implications for many install scenarios. For detailed instructions and information about how this impacts you, consult "Appendix C" of the *HP-UX 11i v3 Installation and Update Guide, March 2009* (<http://www.docs.hp.com/en/oshpux11iv3.html#Installing%20and%20Updating>).

## What's New in This Release

This section provides a quick overview (in [Table 2](#)) of what is **new** in the HP-UX 11i v3 March 2009 release.

For a list of the associated bundle tags, see the *HP-UX 11i v3 Installation and Update Guide, March 2009*. For further information on these products and features, see the *HP-UX 11i Version 3 March 2009 Release Notes*. Both documents can be found at

<http://docs.hp.com/en/oshpux11iv3>

Information on products and features that have **changed**, or have been deprecated or obsoleted, can also be found in the *HP-UX 11i Version 3 March 2009 Release Notes*.

**Table 2 New Products and Features in HP-UX 11i v3 March 2009**

New Product	Description
Dynamic P-States Feature	Adds the ability to control processor performance from within HP-UX, allowing systems to conserve power when not fully loaded. Requires Intel® Itanium® 9100 series or later processors.
HP Integrity Virtual Machines Manager	Enables managers to view and manipulate Integrity VM resources on VM Hosts running HP-UX 11.31. VM Manager supports HP Integrity Virtual Machines V4.0, including support of HP-UX 11.31 agile storage device addressing and other features. This version of VM Manager is compatible with HP Integrity Virtual Machines version 4.1 but does not support the new features provided by that version of the product. Newly added as optional software on the VSE-OE and DC-OE.
HP Integrity Virtual Machines (VMGuestSW)	A repackaging of the software on the Integrity VM virtual machines that was contained in the T2767BC bundle to the VMGuestSW bundle.
HP-UX nPartition Configuration Commands	New command <i>parconfig</i> (1M) runs a set of the Locality-Optimized Resource Alignment (LORA) rules and provides recommended configuration of the nPartition that is LORA compliant. Note: LORA will be delivered in a future release.



**Table 2 New Products and Features in HP-UX 11i v3 March 2009** *(continued)*

New Product	Description
PropPlus (SysMgmtPlus)	Enhances the property pages of HP SMH by adding additional details and introducing dynamic capability to the web page. Newly added as a required (always-installed) product in all OEs.
ProviderSvcsBase	Provides a new logging daemon that reads error log records from the HP-UX kernel and stores them in the circular log files, which can be read by user space processes. Upon storing the error records in log files, the daemon sends EVM notification to the clients that are interested in reading the error logs.
Direct Attached Storage Provider (DASProvider)	Contains Indication and Instance providers which deliver information about the direct attached storage devices on a HP-UX 11.31 server. Delivered as a recommended (default-installed) product on all OEs.
MemFS	A memory-based filesystem that provides fast access to temporary files by storing them in main memory. Software Pack product, optionally installed.

**Table 2 New Products and Features in HP-UX 11i v3 March 2009** *(continued)*

New Product	Description
HP-UX Password Hash Infrastructure for HP-UX 11i v3	Enhances the security on HP-UX 11i v3. Provides a new, SHA512-based algorithm for user password hashes as an alternative to the traditional, DES-based password hash algorithm. Only available on systems with shadowed passwords. Software Pack product, optionally installed.
HP-UX Security Containment Extensions	Simplifies the configuration of application containment and enables compartment login restrictions for enhanced application stacking and workload consolidation.
Kerberos Client (KRB5CLIENT)	Helps to provide Kerberos authentication and strong cryptography for secure communication over the network. Software Pack product, optionally installed.
CpioCmdEnh	Can archive and extract files with UID and GID >60K. Software Pack product, optionally installed.
PAX-ENH	With this enhancement, the <i>pax(1)</i> command supports backup of ACLs and usage of graph files. Software Pack product, optionally installed.

**Table 2 New Products and Features in HP-UX 11i v3 March 2009** *(continued)*

<b>New Product</b>	<b>Description</b>
Libc Enhancement	Contains new APIs to get instantaneous thread time consumption statistics for bound threads.
HP-UX Parallel Umounts (UmountallEnh)	A multi-threaded umountall feature that unmounts all or selected filesystems in parallel. Software Pack product, optionally installed.

## Known Problems

This section contains critical, late-breaking information that was not included in the *HP-UX 11i v3 Installation and Update Guide*.

Before cold-installing or updating to HP-UX 11i v3, make sure you read this entire section as well as “Appendix A, Known Problems and Troubleshooting,” in the *HP-UX 11i v3 Installation and Update Guide*.

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

<http://itrc.hp.com>

### Update Using HP-UX 11i v3 March 2009 from OE Media May Fail When the Base Page Size Is Not 4K or 8K

On an HP Integrity system, update from HP-UX 11i v3 September 2008 to HP-UX 11i v3 March 2009 using OE media may fail when the kernel base page size (BPS) is set to greater than the 8K value. The update failures were seen on systems with the HP Integrity Virtual Machines (Integrity VM or HPVM) product (VMKernelSW bundle versions B.04.00 and later) that automatically sets BPS to 64K. The failures may also occur on HP Integrity systems that have BPS set to 16K or 64K values. The Tunable Base Page Size feature (introduced in September 2008 OE Update) enables these changes (see the *base\_pagesize(5)* manpage).

The update from OE media may fail in one of two ways on systems with BPS > 8K:

1. A read error while reading filesets from the OE media, with a “Bad Address (14)” wording in the error message. Installing PHKL\_39114 will fix the read error.
2. The update may hang while installing the filesets from the March 2009 OE media. Installing PHKL\_39114 will not fix this critical problem.

This problem does not occur with any of the following conditions:

- you use Update-UX with a network source depot
- you are cold-installing from OE media or a network depot
- you are updating an HP 9000 (PA-RISC) system
- you are updating from a release prior to September 2008
- your system is set to a BPS of 4K or 8K before the update

## What to Do

### To Avoid These Problems

To avoid these problems, use the following steps that document the current solution. (See Change Request QXCR1000907205 with the latest update on alternative solutions.) If your kernel base page size (BPS) is set to larger than 8K, then set the BPS to 4K before performing the update from the March 2009 OE media. After you have updated your system, return the BPS to its former value.

The following example assumes the current BPS value is 64K:

1. Verify the BPS value by executing the command:

```
# kctune base_pagesize
Tunable                Value    Expression
base_pagesize          64      64
```

2. Change the BPS value to 4K with the command:  

```
# kctune base_pagesize=4
```
3. Reboot your system, and verify the 4K BPS value as in Step 1.
4. Update the system with the OE media by completing all Update-UX steps.
5. After your system has updated and rebooted, set the BPS to the original value:  

```
# kctune base_pagesize=64
```
6. Reboot your system, and verify the original BPS value (in this case, 64K) as in Step 1.

## To Resolve the Problems if Encountered

1. Fix an HP Integrity system with the “Bad Address (14)” read error by following the steps in the above “To Avoid These Problems” section. Other CD or DVD media read operations (like SD-UX) not using the default (4K or 8K) BPS may also need to take these steps. This read-error problem doesn’t occur on HP 9000 (PA-RISC) systems. See Change Request (CR) QXCR1000868519 for more information.
2. For an HP Integrity system with a system hang, follow the recovery instructions in CR QXCR1000907205. This CR also documents the alternatives to the steps listed in the “To Avoid These Problems” section.

For the latest information on this issue, including the updated recovery instructions, see CR QXCR1000868519 and QXCR1000907205. Go to the IT Resource Center (<http://itrc.hp.com>), click **Search knowledge base**, then select **Search by document ID** for your search mode. Enter "tr\_na-SSB\_1000868519" or "tr\_na-SSB\_1000907205" in the box.

## Harmless Messages Logged to rc.log After Installation of WBEM Services

After WBEM Services has been installed as part an Operating Environment (OE), the following messages are logged to `rc.log` during WBEM certificate generation:

```
unable to write 'random state'
unable to write 'random state'
unable to write 'random state'
Moving /etc/opt/hp/sslshare/file.pem to /etc/opt/hp/sslshare/file.pem.bak
Moving /etc/opt/hp/sslshare/cert.pem to /etc/opt/hp/sslshare/cert.pem.bak
Generating a 2048 bit RSA private key
....+++
.....+++
writing new private key to '/etc/opt/hp/sslshare/file.pem'
-----
```

### What to Do

You can safely ignore the message. The WBEM certificates will be generated correctly.

### Update May Fail Due to Insufficient Disk Space in /opt

If, before updating to the HP-UX 11i v3 March 2009 DC-OE, you resize `/opt` to exactly fit `update-ux` space requirements, the update may fail in a non-recoverable way after the kernel build. This is due to `update-ux` space

calculations for /opt being approximately 300MB too low when updating to DC-OE.

## What to Do

If, after you have tried the update, it has been prevented due to insufficient disk space in /opt, do the following:

Resize the /opt logical volume with at least 300MB more space than `update-ux` indicated is necessary. Then proceed with the update.

## Diagnostic Warning Seen When Using March 2009 OE Media in USB DVD Unit

During cold-install or update from March 2009 HP-UX 11i v3 OE media, you may see the following warning when using a USB DVD unit:

### DIAGNOSTIC SYSTEM WARNING:

The diagnostic logging facility has started receiving excessive errors from the I/O subsystem. I/O error entries will be lost until the cause of the excessive I/O logging is corrected.

## What to Do

You can safely ignore this warning for the USB DVD unit. Install or update from OE media will succeed. HP will fix this problem in a future release.

## Install or Update of an Older OE with Certain Patches in a Combined Depot May Result in Errors

If you ignite or update a system to an Operating Environment (OE) older than March 2009 using a **combined depot** that also contains certain patches, the session may result in the following errors. The triggers for these errors



are the patches PHKL\_38623, PHKL\_38733, PHKL\_38715, and PHKL\_38762. These patches are contained in the March 2009 FEATURE11i bundle.

```
* Installing fileset "PHKL_nnnnn.C-INC,r=1.0"
  (nnn of nnn).
ERROR:  Cannot read from the file
        "/var/adm/sw/products/ProgSupport/C-INC/INFO":
        No such file or directory (2).
ERROR:  Rebuilding the Installed Products Database has failed.
        You may need to retry this operation.
```

Due to header files missing from the ProgSupport.C-INC fileset, a compile of C source code will fail. Many of the header files in the /usr/include directory tree or in /usr/old/usr/include will be missing. A swverify check will not detect the missing files.

## What to Do

To avoid this problem, Ignite or update to the older OE first. Then install the desired patches from the March 2009 FEATURE11i bundle. *Do not install or update an older OE with the FEATURE11i bundle (or referenced patches) in a combined depot.*

To repair damage that may have resulted from this problem, follow these steps:

1. Use swmodify to remove the IPD information of each patch that triggered the problem.
2. Next, using the same combined depot you used prior to the generation of errors, use swinstall to force a re-install of only the

ProgSupport.C-INC fileset. This will remove any remaining patches that apply to this fileset, and will clean up any IPD problems with it.

3. Then, still using that combined depot, install the patches you previously removed. The ProgSupport.C-INC fileset must be specified here, and the reinstall option must be false, so ProgSupport.C-INC is selected but then skipped during the actual install. This will also install other patches that apply to the ProgSupport.C-INC fileset.

The following example assumes the problem happened with the four specified patches. It also assumes the depot used was "server:/depot":

```
swmodify -u \  
  PHKL_38623.* PHKL_38733.* PHKL_38715.* PHKL_38762.* \  
  PHKL_38623 PHKL_38733 PHKL_38715 PHKL_38762
```

```
swinstall -s server:/depot \  
  -x reinstall=true \  
  -x autoselect_dependencies=false \  
  -x autoselect_reference_bundles=false \  
  -x autoselect_patches=false \  
  ProgSupport.C-INC
```

```
swinstall -s server:/depot \  
  -x reinstall=false \  
  -x autoreboot=true \  
  -x autoselect_reference_bundles=false \  
  PHKL_38623 PHKL_38733 PHKL_38715 PHKL_38762 \  
  ProgSupport.C-INC
```

For the latest information on this issue, see Change Request QXCR1000902981. Go to the IT Resource Center (<http://itrc.hp.com>), click **Search knowledge base**, then select **Search by document ID** for your search mode. Enter "ttr\_na-SSB\_1000902981" in the box.

## After DRD Update is Performed on a Clone, You May See Errors During swverify

Dynamic Root Disk (DRD) now supports doing updates from an earlier version of HP-UX 11i v3 to the HP-UX 11i v3 March 2009 release on the clone while the active system is up and running. You can run this on a stand-alone machine, on virtual machines (VM), or on nPars. After the DRD update is performed on the clone, you may boot from the clone disk and run a `swverify *` to ensure the software was updated correctly. On a virtual machine or an nPar, you may see these errors during the `swverify` of the software:

```
ERROR:    Failed to create the EMT database.
ERROR:    Could not install the EMT database. EMT configure failed.
ERROR:    The "configure" script for "SFM-CORE.EMT_COREIA" failed
          (exit code "1"). The script location was
          "/var/adm/sw/products/SFM-CORE.2/EMT_COREIA/configure".
```

## What to Do

For a work-around or additional steps that need to be taken to successfully configure System Fault Management (SFM, SysFaultMgmt), check the known problems and issues at the DRD website: <http://docs.hp.com/en/DRD/>.

## At End of Update, DRD Recommends a Non-Functional Feature

At the end of an update, Dynamic Root Disk (DRD) recommends that you run `swm job log -v <job_id>`. However, this feature is not functional and could produce a stack trace.

## What to Do

To view the log on the inactive image, run this command instead:

```
drd runcmd view /var/opt/swm/swm.log
```

The view program is identical to vi except that the “read-only” editor option is set. You are able to search the document and when you’re done, you can exit the editor program.

## At the Start of a DRD Update on a PA-RISC System, You May See Harmless Messages

During a Dynamic Root Disk (DRD) update on a PA-RISC system, you may see the following messages at the start of execution:

```
/opt/drd/wrappers/check_swm_rev[22]: linker:  
The specified number is not valid for this command.  
/opt/drd/wrappers/check_swm_rev[22]: linker:  
The specified number is not valid for this command.
```

## What to Do

You can safely ignore these messages. The update will proceed as normal.

## Disks and File Systems Management Tool May Not Work As Expected When Installed from the HP-UX 11i v3 March 2009 Media

On PA-RISC platforms, you may not be able to perform certain tasks in the Disks and File Systems Management (FileSystemsWeb) web-based graphical user interface (GUI), available from the HP System Management Homepage (HP SMH). The following operations are affected:

- **Volume Groups** → Select a VG → **Modify VG**
- **Disks** → Select a disk → **Change Physical Volume**

- **Disks** → Select a disk → **Move Physical Volume**
- **Logical Volumes** → Select a logical volume → Select the **Physical Volumes** tab from the detailed view of the logical volume

This problem is visible only:

- when the Disks and File Systems tool is installed from the HP-UX 11i v3 March 2009 media
- on PA-RISC platforms

The failure of the operations listed above do not cause any problems to the existing volume groups, logical volumes, or physical volumes.

## What to Do

No workaround currently exists. Look for a future release of the HP-UX Disks and File Systems tool on the HP Software Depot website: <http://software.hp.com>. Download a product version later than B.11.31.07.

## Installing the VSEMgrt Bundle Together with the VMMGR+HPVM Bundles May Impact Performance

Installing both item 1 and item 2 on the same system may negatively impact performance:

1. The VSEMgrt bundle (containing HP VSE Management Software and HP Integrity VM Manager for HP SIM)
2. The VMMGR bundle (containing the HP Integrity VM Manager plug-in for HP SMH) with the HPVM bundle (containing HP Integrity Virtual Machines)

The VSEMgrmt bundle is intended to be installed in a Central Management Server (CMS) while the VMMGR+HPVM bundles are intended to be installed in a managed node.

## What to Do

Do not install the VSEMgrmt bundle at the same time you install the VMMGR plus HPVM bundles.

During a new installation or an upgrade, you have to decide which kind of system you are preparing:

- If the system intends to be a CMS, install just the VSEMgrmt bundle and its dependencies, removing VMMGR+HPVM bundles if they are installed;
- If the system intends to be a managed node, install the VMMGR+HPVM bundles and their dependencies, removing VSEMgrmt bundle if this is installed.

NOTE: Each of these bundles is optionally installed, so you may simply not select it during installation of the Operating Environment.

## When OnlineDiag Is Installed on Non-IPMI Machines, Harmless Error Message Is Logged on swagent.log

After the Event Monitoring Service (EMS) is installed on a Non-IPMI (Intelligent Platform Management Interface) machine, you may see the following message logged to swagent.log:

```
Running "configure" script for product "Sup-Tool-Mgr".  
EMS Registrar inetd service not started. Start registrar and retry.
```

This occurs because EMS is not running at the time the install happens.

## What to Do

You can safely ignore this message. It is harmless; it does not indicate a problem with the installation.

## FEATURE11i Patch Documentation May Contain References to Delayed Patch PHCO\_38658

Some patch documentation in the FEATURE11i patch bundle may contain references to the PHCO\_38658 patch. However, PHCO\_38658 is not included in the HP-UX 11i v3 March 2009 release.

## What to Do

The PHCO\_38658 patch is not available in, or is needed for, the March 2009 OEUR. It will be available later from the ITRC: <http://itrc.hp.com>.

## LAN Indication Provider May Dump Core When Shut Down

In some scenarios, the LAN Indication Provider may dump core when it shuts down after generating indications.

## What to Do

The core dump does not impact the functionality of the provider. It can safely be ignored.

## HP-UX Secure Shell May Not Work with PAM When Installed from the HP-UX 11i v3 March 2009 Media

On the HP-UX 11i v3 March 2009 **media**, the default `sshd_config` file has "UsePAM no" by default. If `sshd_config` has "UsePAM no" you will not

be able to use Secure Shell with the PAM modules, including `pam_krb`, `pam_ldap`, `pam_audit`, and so on.

You will not be affected by this if:

- you have modified your `sshd_config` files in the past
- you install Secure Shell from the web

## What to Do

To be able to use PAM with HP-UX Secure Shell, edit `/opt/ssh/etc/sshd_config` and change the line “UsePAM no” to “UsePAM yes”. To have `sshd` re-read the config file, enter the following at the command prompt:

```
:kill -s SIGHUP $(</var/run/sshd.pid)
```

## vxesd May Dump Core after Cold-Installing HP-UX 11i v3 March 2009 and VxVM 5.0

After cold-installing HP-UX 11i v3 March 2009 and VxVM 5.0, `vxesd` may dump core. Due to this core dump, the internal logging functionality of `vxesd` will not be available.

The `vxesd` daemon listens for events from various sources and logs them. This is an additional cosmetic feature, an add-on feature of VxVM. The core VxVM functionality is not affected in any way. There is no customer-visible impact.

## What to Do

No workaround currently exists. Look for a future patch from the ITRC: <http://itrc.hp.com>.



## vxconfigd May Dump Core after Cold-Installing HP-UX 11i v3 March 2009 and VxVM 4.1

Cold-installing HP-UX 11i v3 March 2009 and VxVM 4.1 may lead to a core dump from `vxconfigd`. This issue generally happens when duplicate VxVM dm records are found in the config copies, or if there is a difference in the on-disk config copies.

### What to Do

No workaround currently exists. HP and Symantec are investigating possible solutions.

## Missing Manpage for `pstatectl` Command in PHCO\_38669

PHCO\_38669 enables the Dynamic P-States feature, which reduces power consumption on systems with Itanium® 2 9100 series or later processors. PHCO\_38669 is delivered in the March 2009 OEUR as part of the FEATURE11i patch bundle. However, FEATURE11i does not include the new manpage patch (PHCO\_39261) for the `pstatectl` command.

### What to Do

To obtain the missing manpage, install patch PHCO\_39261 from the ITRC: <http://itrc.hp.com>. For more information about the Dynamic P-States feature, see the *HP-UX 11i Version 3 March 2009 Release Notes*: <http://www.docs.hp.com/en/oshpux11iv3.html#Release%20Notes>.

## Harmless Error Messages Logged to syslog after Install of Serviceguard

After Serviceguard has been installed as part of an Operating Environment (OE) or separately, the Serviceguard `cmproxyd` and `cmwbemd` daemons log “Permission denied to 127.0.0.1” messages to `/var/adm/syslog/syslog.log`. For example:

```
Jan 21 07:33:02 run1 cmproxyd[1577]: Permission denied  
to 127.0.0.1
```

```
Jan 21 07:33:41 run1 cmwbemd[1710]: Permission denied  
to 127.0.0.1
```

These are harmless messages; they do not indicate a problem with the installation.

### What to Do

- If you are not using Serviceguard, ignore the messages.
- To configure a Serviceguard cluster, or add this system as a node to an existing cluster, follow directions in the latest edition of *Managing Serviceguard* manual, which you can find on <http://docs.hp.com> under **High Availability** → **Serviceguard**. Make sure you follow the directions under “Configuring Root Level Access” and “Configuring Name Resolution” near the beginning of Chapter 5.

After the node is configured into the cluster, the error messages will no longer appear.

## 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 Installation and Update Guide*  
<http://docs.hp.com/en/oshpux11iv3.html#Installing%20and%20Updating>
- *HP-UX 11i Version 3 Release Notes* (select the document appropriate for your release)  
<http://www.docs.hp.com/en/oshpux11iv3.html#Release%20Notes>
- *HP-UX 11i v3 Read Before Installing or Updating* (this document on the web)  
<http://docs.hp.com/en/oshpux11iv3.html#Installing%20and%20Updating>
- *HP-UX System Administrator's Guide*  
<http://docs.hp.com/en/oshpux11iv3.html#System%20Administration>
- HP-UX 11i v3 Documentation  
<http://docs.hp.com/en/oshpux11iv3.html>
- Ignite-UX information  
<http://docs.hp.com/en/IUX>
- Software Depot  
<http://software.hp.com>
- IT Resource Center (ITRC)  
<http://itrc.hp.com>

