



**Hewlett Packard**  
Enterprise

# SUSE Enterprise Linux 12 SP1 Supplement for Hewlett Packard Enterprise Service Pack for ProLiant 2015.10.0 Release Notes

Published  
December 2015  
[Initial Release](#)

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### Document History:

Released	Description
Dec 2015	Initial Version

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# Overview

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A Service Pack for ProLiant (SPP) Supplement is a bundle containing software and/or firmware components with HP SUM as the deployment tool. It may include support for a new operating system update or functionality that is not included in the SPP but works with the components in the SPP. The software and firmware included in the Supplement will provide support for functionality that is required outside a normal SPP release cycle. Supplements allow HPE to deliver support when it is needed so customers do not have to wait on a full SPP's availability.

Each SPP Supplement's version number will match the version of its corresponding SPP. Supplement Release Notes will be available and will include information on the components in the bundle. If the Supplement's contents include Linux components, the components will also be available on the Linux Software Delivery Repository (SDR). Once released, the functionality of the SPP Supplement contents is included in the next available SPP.

Hot Fixes associated with an SPP may work with an SPP Supplement. You must review the Hot Fix to verify if it has support for the operating system that is supported in the Supplement. For more information on SPP Hot Fixes, please see the SPP Release Notes located on the [SPP Information Library page](#).

This Supplement is the SUSE Linux Enterprise Server (SLES) 12 Supplement for HP Service Pack for ProLiant 2015.10.0 and provides SLES 12 support for HP ProLiant products. It is a SLES 12 SP1 only release and is designed to work with SPP 2015.10.0.

For more information on which servers are supported with SLES 12 SP1, please visit our OS Support Site at: <http://www.hpe.com/servers/ossupport>.

Product Name	Comment
<b>SUSE Linux Enterprise Server 12 SP1 Supplement for HP Service Pack for ProLiant 2015.10.0</b>	<b>Bundle containing software components Filename: supssp-2015.10.0.sles12.1.en.tar.gz</b>

## Update recommendation:

Optional - Users should update to this version if their system is affected by one of the documented fixes or if there is a desire to utilize any of the enhanced functionality provided by this version.

## Aligns With:

HP Service Pack for ProLiant 2015.10.0

# Summary of Changes

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## Important Note

When the terms, Supplement, Service Pack for ProLiant or SPP are used throughout this document, they refer to all of the deliverables in the Table in the Overview Section unless explicitly stated.

- ⚠ **Before deploying any components to a system, be sure that a recent backup of the system is available in the event the deployment procedure fails.**
- ⚠ **If HP SUM is used to deploy this supplement, HP SUM 7.4.1 must be used. HP SUM 7.4.0 as found SPP 2015.10.0 does not work with and should not be used for this supplement.**

**HP SUM 7.4.1 can be found in the following locations:**

RPMs: <ftp://ftp.hp.com/pub/softlib2/software1/pubsw-linux/p1216536599/v112866>

ZIP: <ftp://ftp.hp.com/pub/softlib2/software1/pubsw-windows/p1769088790/v112867>

ISO: <ftp://ftp.hp.com/pub/softlib2/software1/cd-generic/p439775366/v112868>

## Release Summary

The summary of this SUSE Linux Enterprise Server (SLES) 12 SP1 Supplement for HP Service Pack for ProLiant release is:

Added support for SUSE Linux Enterprise Server 12 SP1.

You may choose to use the drivers delivered with the SLES 12 distribution instead of those found in this Supplement. The initial release of the distribution drivers may not contain all of the HP value added features at this time. These features will be added in a future release.

## Compatibility

This Supplement corresponds to SPP 2015.10.0.

All components delivered in this Supplement to the Service Pack for ProLiant (SPP) are tested together and meet the dependencies of the other components in the Service Pack for ProLiant.

Systems using software and firmware components delivered with the following products should be able to easily migrate to the components in this SPP:

Product	Version
Service Pack for ProLiant	2015.10.0
	2015.06.0

Product	Version
	2015.04.0

## Support

HP supports each SPP version for 12 months. Customers may choose to update their SPP from an earlier version to this version as long as the earlier version is within its 12 month support period. This means that customers may directly update their SPP by skipping intermediate releases within the 12 month support period. See the table in the Compatibility section for details on the components contained in earlier SPPs that can migrate to this SPP.

You can tell when your support period ends by the version number of the release. For example, if you have installed the content of SPP 2015.06.0, your support would end the last day of June, 2016 based on version 2015=year, 06= month, 0=full release id number. Sometimes it is necessary to release an SPP with a version that would have less than 12 months of support per the information noted above. In these cases, you can use the table below to see when the support period ends:


SPP Version	End of Support Period
2015.10.0	October 31, 2016
2015.06.0	June 30, 2016
2015.04.0	April 30, 2016

The support period for this Supplement aligns with the support period with its corresponding SPP 2015.10.0.

## Prerequisites

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### Running HP SUM on Linux

 Before deploying software updates on a target system, be sure that a recent backup of the target system is available in the event the deployment procedure fails.

To successfully deploy HP SUM on remote target systems based on a Linux operating system, the following must be available:

- libcrypt.so
- libcrypt.so.1
- /usr/lib/libqsdm.so
- /usr/lib64/libqsdm-x86\_64.so

- /lib/cim/libqlsdm.so
- /usr/lib/libemsdm.so
- /usr/lib64/libemsdm.so
- /lib/cim/libemsdm.so
- /usr/lib/bfahbaapi.so
- /usr/lib64/bfahbaapi.so
- /lib/cim/bfahbaapi.so
- linux-vdso.so.1
- /lib64/libcrypt.so.1
- /lib64/libpthread.so.0
- /lib64/libz.so.1
- /lib64/libdl.so.2
- /lib64/librt.so.1
- /usr/lib64/libstdc++.so.6
- /lib64/libm.so.6
- /lib64/libgcc\_s.so.1
- /lib64/libc.so.6
- /lib64/ld-linux-x86-64.so.2

## Deployment Instructions

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The Supplement is designed for use after you install the operating system so that you can update drivers, install HP utilities (such as Health and iLO drivers), and install agents (Server, NIC, and Storage).

You have a choice when using the SPP Supplement and its corresponding SPP on a supported Linux operating system:

- You can use the software and firmware provided in the Supplement and the SPP.
- You can use the firmware provided in the SPP and get the software from the Software Delivery Repository at <http://downloads.linux.hpe.com/SDR>.
- You can use the firmware and software utilities provided in the SPP and get the drivers from the operating system distribution.

If you decide to use the software and firmware provided in the Supplement and the SPP, you can follow these steps.

1. Download the SPP 2015.10.0 zip file from the SPP download page, <http://www.hpe.com/servers/spp/download>, if you want to update firmware and do not already have it locally. See the SPP 2015.10.0 Release Notes for more information on SPP deployment.
2. Download the appropriate Supplement from the SPP download page, <http://www.hpe.com/servers/spp/download>.
3. Extract the contents of the SPP Supplement and SPP ISO (if needed) to a file share.
4. Determine how you want to access the data on the ISO – bootable USB key, mounted ISO, mounted DVD, etc. Use the appropriate tool to get the SPP ISO in

the format you want to access it. The contents of the Supplement can be placed in any directory since the Supplement is a bundle and not an ISO.

5. Initiate deployment.
  - To initiate deployment, go directly to **HP SUM 7.4.1** and launch it using the command: `/hpsum`
  - Follow the instructions on the screen.
    - On the Source Selection screen, set the directories where the contents of the Supplement and the SPP (if needed) as repositories from where to get the components to be installed.

## Component Release Notes

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[Driver - Storage Controller](#)

[Driver - Storage Fibre Channel](#)

[Software - Lights-Out Management](#)

[Software - Storage Fibre Channel HBA](#)

[Software - System Management](#)

### Driver - Storage Controller

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#### HP Dynamic Smart Array B120i/B320i SATA RAID Controller Driver for SUSE LINUX Enterprise Server 12 (AMD64/EM64T)

Version: 1.2.14-113 (Recommended)

Filename: hpvsa-1.2.14-113.sles12.x86\_64.rpm

#### Enhancements

Added SUSE Linux Enterprise Server 12 SP1 support.

#### Supported Devices and Features

SUPPORTED KERNELS:

The kernels of SUSE LINUX Enterprise Server 12 (AMD64/EM64T) supported by this binary rpm are:

3.12.18-4 - SUSE LINUX Enterprise Server 12 (AMD64/EM64T) and future update kernels.

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#### HP Dynamic Smart Array B140i SATA RAID Controller Driver for SUSE LINUX Enterprise Server 12 (AMD64/EM64T)

Version: 1.2.8-107 (Recommended)

Filename: hpdsa-kmp-1.2.8-107.sles12.x86\_64.rpm

#### Enhancements

- Improvements to the driver init error handling.
- Better error handling for CD/DVD devices.
- Added SUSE Linux Enterprise Server 12 SP1 support.

### **Supported Devices and Features**

#### SUPPORTED KERNELS:

The kernels of SUSE LINUX Enterprise Server 12 (AMD64/EM64T) supported by this binary rpm are:

3.12.18-4 - SUSE LINUX Enterprise Server 12 (AMD64/EM64T) and future update kernels.

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### **HP H2xx SAS/SATA Host Bus Adapter Driver for SUSE LINUX Enterprise Server 12 (AMD64/EM64T)**

Version: 15.10.04.00-7 (**Recommended**)

Filename: lsi-mpt2sas-kmp-default-15.10.04.00-3.sles12sp0.x86\_64.rpm, lsi-mpt2sas-kmp-default-15.10.04.00-7.sles12sp1.x86\_64.rpm, lsi-mpt2sas-kmp-xen-15.10.04.00-3.sles12sp0.x86\_64.rpm, lsi-mpt2sas-kmp-xen-15.10.04.00-7.sles12sp1.x86\_64.rpm

### **Enhancements**

Added SUSE Linux Enterprise Server 12 SP1 support.

### **Supported Devices and Features**

#### SUPPORTED KERNELS:

The kernels of SUSE LINUX Enterprise Server 12 (AMD64/EM64T) supported by this driver diskette are:

2.6.32.12-0.7 - SUSE LINUX Enterprise Server 12 (AMD64/EM64T) plus future errata.

3.12.49-11-default- SUSE LINUX Enterprise Server 12 (x86\_64) SP1 plus future errata.

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### **HP ProLiant Smart Array Controller (AMD64/EM64T) Driver for SUSE LINUX Enterprise Server 12 (AMD64/EM64T)**

Version: 3.4.14-117 (**Recommended**)

Filename: hpsa-kmp-3.4.14-116.sles12.x86\_64.rpm

### **Enhancements**

- Added SUSE Linux Enterprise Server 12 SP1 support.
- Enabled operation with third party external RAID enclosures.
- Improved device reset recovery behavior.



## **Supported Devices and Features**

### SUPPORTED KERNELS:

The kernels of SUSE LINUX Enterprise Server 12 (AMD64/EM64T) supported by this binary rpm are:

3.12.18-4 - SUSE LINUX Enterprise Server 12 (AMD64/EM64T) and future update kernels.

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# Driver - Storage Fibre Channel

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## **SUSE Linux Enterprise Server 12 FCoE/FC Driver Kit for HP QLogic CNAs, HBAs and mezzanine HBAs and CNAs**

Version: 8.07.00.28.12.0-k.sles12sp1 (**Recommended**)

Filename: hpqlgc-qla2xxx-kmp-default-8.07.00.28.12.0\_k\_k3.12.28\_4-1.sles12sp0.x86\_64.rpm, hpqlgc-qla2xxx-kmp-default-8.07.00.28.12.0\_k2\_k3.12.49\_11-1.sles12sp1.x86\_64.rpm, hpqlgc-qla2xxx-kmp-xen-8.07.00.28.12.0\_k\_k3.12.28\_4-1.sles12sp0.x86\_64.rpm, hpqlgc-qla2xxx-kmp-xen-8.07.00.28.12.0\_k2\_k3.12.49\_11-1.sles12sp1.x86\_64.rpm

### **Important Note!**

Release Notes:

[HP StorageWorks QLogic Adapters Release Notes](#)

### **Fixes**

Maintenance updates to driver including:

- Check if the INQ response buffer is > 170 (instead of >=)
- Fix for invalid offset reference of inquiry response data
- Handle INQ data changed check condition
- Fix for the scsi status getting overwritten
- Fix to avoid crossing initiator/target mode during AEN handling

### **Enhancements**

- Updated to version 8.07.00.28.12.0-k
- Enabled T10 DIF

## **Supported Devices and Features**

This driver supports the following HP adapters:

- HP FC1142SR 4Gb PCIe Host Bus Adapter
- HP FC1242SR 4Gb PCIe DC Host Bus Adapter

- HP 81Q PCIe Fibre Channel Host Bus Adapter
- HP 82Q 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter
- QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for c-Class BladeSystem
- QLogic QMH2462 4Gb Fibre Channel Host Bus Adapter for c-Class BladeSystem
- HP QMH2572 8Gb Fibre Channel Host Bus Adapter for c-Class BladeSystem
- HP StoreFabric SN1000Q 16Gb PCIe Fibre Channel Host Bus Adapter
- HP QMH2672 16Gb FC HBA for c-Class BladeSystem
- HP FlexFabric 10Gb 2-port 526FLR-SFP+ Adapter
- HP CN1000Q Dual Port Converged Network Adapter

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## Software - Lights-Out Management

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### HP Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)

Version: 4.6.0-0 (Optional)

Filename: hponcfg-4.6.0-0.x86\_64.rpm

#### Prerequisites

This utility requires the following minimum firmware revisions:

- Integrated Lights-Out 2 firmware v1.00 or later
- Integrated Lights-Out 3 firmware v1.00 or later
- Integrated Lights-Out 4 firmware v1.00 or later

The management interface driver and management agents must be installed on the server.

#### Fixes

HPONCFG displays an appropriate error message with -w option when LOCK\_CONFIGURATION is enabled.

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## Software - Storage Fibre Channel HBA

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### Fibreutils for HP Storage Fibre Channel Host Bus Adapters for Linux (x86\_64)

Version: 3.2-6 (E) (Optional)

Filename: fibreutils-3.2-6.x86\_64.rpm

#### Prerequisites

- Requires the following packages to be installed: glibc libgcc libstdc++ bash perl

#### Enhancements

Added support for SUSE Linux Enterprise Server 12.

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## **HP Fibre Channel Enablement Kit for Linux - QLogic**

Version: 5.0.0.0-3 **(Recommended)**

Filename: HP-CNA-FC-hpqlgc-Enablement-Kit-5.0.0.0-3.noarch.rpm

### **Important Note!**

Release Notes:

[HP StorageWorks QLogic Adapters Release Notes](#)

### **Enhancements**

Updated the kit to version 5.0.0.0-3

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## **HP Fibre Channel Enablement Kit for Linux - QLogic BR-Series**

Version: 5.0.0.0 (D) **(Recommended)**

Filename: HP-FC-Brocade-Enablement-Kit-5.0.0.0-3.x86\_64.rpm

### **Important Note!**

Release Notes:

[HP StorageWorks Brocade Fibre Channel Host Bus Adapters Release Notes](#)

### **Enhancements**

Added support for Red Hat Enterprise Linux 7 operating system

### **Supported Devices and Features**

- HP 81B PCIe 8Gb Fibre Channel Single Port Host Bus Adapter
- HP 82B PCIe 8Gb Fibre Channel Dual Port Host Bus Adapter
- Brocade 804 8Gb Fibre Channel HBA for c-Class BladeSystem

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## **HP Fibre Channel Enablement Kit for SUSE Linux Enterprise Server 12- Emulex**

Version: 10.5.152.1 **(Recommended)**

Filename: HP-CNA-FC-Emulex-Enablement-Kit-10.5.152.1-1.sles12.x86\_64.rpm

### **Important Note!**

Release Notes:

[HP StorageWorks Emulex Adapters Release Notes](#)

### **Prerequisites**

The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

## Enhancements

Updated to version 10.5.152.1-1

## Supported Devices and Features

- HP SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HP SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter
- HP 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter
- HP 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter
- HP CN1100E Dual Port Converged Network Adapter
- HP NC553m 10Gb 2-port FlexFabric Converged Network Adapter
- HP NC553i 10Gb 2-port FlexFabric Converged Network Adapter
- HP FlexFabric 10Gb 2-port 554M Adapter
- HP FlexFabric 10Gb 2-port 554FLR-SFP+ Adapter
- HP FlexFabric 10Gb 2-port 554FLB Adapter
- HP LPe1205A 8Gb Fibre Channel Host Bus Adapter for BladeSystem c-Class
- Emulex LPe1205 8Gb Fibre Channel Host Bus Adapter for c-Class BladeSystem
- HP SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HP SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter
- HP LPe1605 16Gb Fibre Channel Host Bus Adapter for BladeSystem c-Class
- HP FlexFabric 20Gb 2-port 650FLB Adapter
- HP FlexFabric 20Gb 2-port 650M Adapter
- HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter
- HP StoreFabric CN1200E Dual Port Converged Network Adapter (FCoE)
- HP NC551i Dual Port FlexFabric 10Gb Network Adapter

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# Software - System Management

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## **HP Insight Diagnostics Online Edition for Linux (x86-64)**

Version: 10.40.1953 (**Optional**)

Filename: hpdiags-10.40.1953-1978.linux.x86\_64.rpm; hpdiags-10.40.1953-1978.linux.x86\_64.rpm.sig

### **Important Note!**

The online version of HP Insight Diagnostics provides the same functionality as the Survey Utility for Windows and Linux and does not perform any hardware tests on the system. Although not required, it is recommended that you uninstall the current Survey Utility for Windows or Linux before beginning the installation of HP Insight Diagnostics Online Edition.

### **Prerequisites**

The following component(s) are required for HP Insight Diagnostics Online Edition for Linux:

- HP System Management Homepage, version 7.0.0-12 or higher

The following component(s) are recommended for HP Insight Diagnostics Online Edition for Linux to make full use of its capabilities:

- HP System Health Application, version 9.0.0 or higher

You can install them by using the SPP or downloading them individually from HP Support Center.

### **Fixes**

- Contains fixes to support HP ProLiant Gen9 servers.
- Incorrect Japanese translation in Exit Diagnostics button.
- Untranslated SMBIOS strings in Survey and Test tabs.
- Added error message when unable to retrieve power supply serial number, spare part number and firmware version.
- Missing information in Compare Configurations -> View Comparison Results.
- Untranslated strings in Help -> Test Component tab storage section.
- Software -> HP Software section in iLO web interface was missing hpdiaags in the list.

### **Enhancements**

- Sustaining and new support for HP ProLiant Gen 9 servers.
- Discover HP Express Bay Switch Card.
- Discover backplane connected to HP Express Switch Card.

See the [HP Service Pack for ProLiant Release Notes](#) for more information.

See the [HP Service Pack for ProLiant Server Support Guide](#) for information on supported servers.

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## **HP ProLiant Agentless Management Service for SUSE LINUX Enterprise Server 12**

Version: 2.3.0 (Optional)

Filename: hp-ams-2.3.0-1778.39.sles12.x86\_64.rpm

### **Prerequisites**

- **hp-ams only supported on HP ProLiant Gen8 Servers.**
- **hp-ams provides information to the HP iLO 4 service providing SNMP support.**
- **SNMP PASS-THRU on the HP iLO 4 MUST be disabled, and SNMP should be configured on the HP iLO 4. The HP iLO 4 may need to be reset after changing these settings.**
- **Requirements:**
  - Minimum HP iLO 4 Firmware Version = 1.05
  - Minimum supported OS Versions = Red Hat Enterprise Linux 5.6, Red Hat Enterprise Linux 6.0, SuSE Linux Enterprise Server 10 SP4, SuSE Linux Enterprise Server 11 SP1

### **Fixes**

Fixed following issues:

- Send correct CDB for SSD drives.
- Correct speed shown for unconfigured NIC port.
- Return values for logical NIC interfaces which does not support speed entries in sysfs.

### **Enhancements**

- Added support for new HP ProLiant Gen9 Servers.

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## **HP Smart Storage Administrator (HP SSA) CLI for Linux 64-bit**

Version: 2.30-6.0 (Optional)

Filename: hpssacli-2.30-6.0.x86\_64.rpm; hpssacli-2.30-6.0.x86\_64.txt

### **Important Note!**

HP SSACLI will allow you to configure and manage your storage as before, but now with additional features, abilities, and supported devices. Existing ACUCLI scripts should only need to make minimal changes such as calling the appropriate binary or executable in order to maintain compatibility.

### **Enhancements**

Updated HP EULA for encryption licensing

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## **HP Smart Storage Administrator (HP SSA) for Linux 64-bit**

Version: 2.30-6.0 (Optional)

Filename: hpssa-2.30-6.0.x86\_64.rpm; hpssa-2.30-6.0.x86\_64.txt

### **Prerequisites**

The HP Smart Storage Administrator for Linux requires the HP System Management Homepage software to be installed on the server. If the HP System Management Homepage software is not already installed on your server, please download it from HP.com and install it before installing the HP Smart Storage Administrator for Linux.

**IMPORTANT UPDATE:** HP SSA (GUI) for Linux can now be run without requiring the HP System Management Homepage. HP SSA now supports a Local Application Mode for Linux. The HP System Management Homepage is still supported, but no longer required to run the HP SSA GUI.

To invoke, enter the following at the command prompt:

```
hpssa -local
```

The command will start HP SSA in a new Firefox browser window. When the browser window is closed, HP SSA will automatically stop. This is only valid for the loopback interface, and not visible to external network connections.

### **Enhancements**

Updated HP EULA for encryption licensing

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## **HP SNMP Agents for SUSE LINUX Enterprise Server 12**

Version: 10.3.0 **(Optional)**

Filename: hp-snmp-agents-10.30-2819.19.sles12.x86\_64.rpm

### **Prerequisites**

The hp-health and hp-snmp-agents run as 32 bit applications in the x86\_64 environment. The Linux kernel 32 bit compatibility must be enabled (usual default for Linux) and the 32 bit compatibility libraries must be present.

To get the list of all dependency files for hp-snmp-agents type:

```
rpm -qp --requires hp-snmp-agents-<version>.rpm
```

### **Fixes**

Fixed following issues:

- After plugging or unplugging a NIC cable, the cmanicd daemon status was inactive.
- When running in non-interactive mode, the snmpd.conf file could not be updated with SNMP settings.
- After running agents, the NFS directory could not be unmounted.

### **Enhancements**

- Added support for new HP ProLiant Gen9 Servers.
  - Support for Systemd.
  - Init scripts are LSB compliant.
- 

## **HP System Health Application and Command Line Utilities for SUSE LINUX Enterprise Server 12**

Version: 10.3.0 **(Optional)**

Filename: hp-health-10.30-1752.16.sles12.x86\_64.rpm

### **Prerequisites**

The hp-health and hp-snmp-agents run as 32 bit applications in the x86\_64 environment. The Linux kernel 32 bit compatibility must be enabled (usual default for Linux) and the 32 bit compatibility libraries must be present.

To get the list of all dependency files for hp-health, type:

```
rpm -qp --requires hp-health-< version >.rpm
```

### **Fixes**

Fixed following issues:

- Initial Program Load(IPL) devices are displayed correctly after disabling NICs.
- Restarting hp-health does not cause the hp-snmp-agents to halt in SUSE Linux Enterprise Server 12.

### **Enhancements**

- Added support for new HP ProLiant Gen9 Servers.
- Added support for Systemd.

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## **HP System Management Homepage for Linux (AMD64/EM64T)**

Version: 7.5.3-1 **(Recommended)**

Filename: hpsmh-7.5.3-1.x86\_64.rpm

### **Prerequisites**

The rpm will check for prerequisites.

### **Fixes**

Japanese localization error in Insight agents pages

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## **HP System Management Homepage Templates for Linux**

Version: 10.3.0 **(Optional)**

Filename: hp-smh-templates-10.3.0-1447.15.noarch.rpm

### **Important Note!**

The HP System Health Application and Insight Management Agents (hpsmh) version 8.0.0 was split into three individual rpm packages:

- HP System Health Application and Command Line Utilities (hp-health) version 8.1.0
- HP SNMP Agents (hp-snmp-agents) version 8.1.0
- HP System Management Homepage Templates (hp-smh-templates) version 8.1.0



These three packages provide equivalent functionality as hpsm v8.0.0 and allow for more modular installation choices.

### **Prerequisites**

To get the list of all dependency files for hp-smh-templates type:

```
rpm -qp --requires hp-smh-templates-<version>.rpm
```

### **Fixes**

Fixed following issue:

- SMH shows statistics with IB adapter.

### **Enhancements**

- Added support for new HP ProLiant Gen9 Servers.
-