

SUSE Linux 15.3

Supplement for Service Pack for ProLiant 2021.05.0

Release Notes

September 2021

Legal and notice information

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Document History:

Released	Description
September 2021	Final Version

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Overview

A Service Pack for ProLiant (SPP) Supplement is a bundle containing software and/or firmware components with 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 HP 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 15.3 Supplement for Service Pack for ProLiant 2021.05.0 and provides SUSE LINUX 15.3 support for HPE ProLiant products. It is a SUSE LINUX 15.3 only release and is designed to work with SPP 2021.05.0.

For more information on which servers are supported with SUSE LINUX 15.3, please visit our OS Support Site at: <http://www.hpe.com/servers/ossupport>.

Product Name	Comment
SLES15 SP3 supplement for SPP version 2021.05.0	Bundle containing software components Filename: supspp-2021.05.sles15.3.en.tar.gz

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.

Alignment

Service Pack for ProLiant 2021.05.0

Summary of Changes

Important Notes

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.

Release Summary

The summary of this SUSE Linux 15.3 Supplement for Service Pack for ProLiant release is:

Added support for SUSE Linux 15.3.

You may choose to use the drivers delivered with the SUSE LINUX 15.3 distribution instead of those found in this Supplement. The initial release of the distribution drivers may not contain all of the HPE value added features at this time. These features will be added in a future release.

Compatibility

This Supplement corresponds with SPP 2021.05.0.

SUM and 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	2021.05.0 2020.09.1 2020.03.2

Support

HPE 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.

The support period for this Supplement aligns with the support period with its corresponding SPP 2021.05.0.

Prerequisites

Running 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 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/libqsdm.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

The Supplement is designed for use after the operating system is installed. This enables the updating of drivers, and the installation of HPE utilities (such as Health and iLO drivers), and agents (Server, NIC, and Storage).

Using the SPP Supplement and its corresponding SPP on a supported Linux operating system. Enables the choice of either standard Linux installation tools (YUM/Zypper) or HPE management tools (SUM/OneView) to do the following:

- Use the software and firmware provided in the Supplement and the SPP.
- Use the firmware provided in the SPP and get the software from the Software Delivery Repository at <https://downloads.linux.hpe.com/SDR>.
- Use the firmware and software utilities provided in the SPP and get the drivers from the operating system distro.

When appropriate for any given deployment, components can be combined into a single ISO using SUM custom baseline or applied as separate packages.

Component Release Notes

Release Notes for SLES15 SP3 supplement for SPP, v2021.05.0

[Driver - Storage Controller](#)

[Software - Lights-Out Management](#)

[Software - System Management](#)

Driver - Storage Controller

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HPE Dynamic Smart Array B140i SATA RAID Controller Driver for SUSE LINUX Enterprise Server 15 (64-bit)

Version: 1.2.10-196 (**Recommended**)

Filename: hpdsa-kmp-default-1.2.10-196.sles15sp2.x86_64.compsig; hpdsa-kmp-default-1.2.10-196.sles15sp2.x86_64.rpm; hpdsa-kmp-default-1.2.10-196.sles15sp3.x86_64.compsig; hpdsa-kmp-default-1.2.10-196.sles15sp3.x86_64.rpm

Enhancements

Add support for SUSE Linux Enterprise Services 15 SP3

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of SUSE LINUX Enterprise Server 15 (64-bit) supported by this binary rpm are:
4.12.14-23 - SUSE LINUX Enterprise Server 15 (64-bit) SP0 plus future errata.

default - SUSE LINUX Enterprise Server 15 (64-bit) SP1 plus future errata

HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for SUSE LINUX Enterprise Server 15 (64-bit)

Version: 2.1.12-025 **(Recommended)**

Filename: smartpqi-kmp-default-2.1.12-025.sles15sp2.x86_64.compsig; smartpqi-kmp-default-2.1.12-025.sles15sp2.x86_64.rpm; smartpqi-kmp-default-2.1.12-025.sles15sp3.x86_64.compsig; smartpqi-kmp-default-2.1.12-025.sles15sp3.x86_64.rpm

Enhancements

- Added support for SLES15 SP3 OS.

Supported Devices and Features

The kernels of SUSE LINUX Enterprise Server 15 (64-bit) supported by this driver diskette are:
-default - SUSE LINUX Enterprise Server 15 (64-bit) and future errata kernels

HPE ProLiant Smart Array Controller (64-bit) Driver for SUSE LINUX Enterprise Server 15 (64-bit)

Version: 3.4.20-210 **(Recommended)**

Filename: hpsa-kmp-default-3.4.20-210.sles15sp2.x86_64.compsig; hpsa-kmp-default-3.4.20-210.sles15sp2.x86_64.rpm; hpsa-kmp-default-3.4.20-210.sles15sp3.x86_64.compsig; hpsa-kmp-default-3.4.20-210.sles15sp3.x86_64.rpm

Enhancements

Add support for SUSE Linux Enterprise Services 15 SP3

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of SUSE LINUX Enterprise Server 15 (64-bit) supported by this binary rpm are:
4.12.14-23 - SUSE LINUX Enterprise Server 15 (64-bit) SP0 plus future errata.

default - SUSE LINUX Enterprise Server 15 (64-bit) SP1 plus future errata.

Software - Lights-Out Management

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

Version: 5.6.0-0 **(Optional)**

Filename: hponcfg-5.6.0-0.x86_64.compsig; hponcfg-5.6.0-0.x86_64.rpm

Prerequisites

This utility requires the following minimum firmware revisions:

- Integrated Lights-Out 3 firmware v1.00 or later
- Integrated Lights-Out 4 firmware v1.00 or later
- Integrated Lights-Out 5 firmware v1.20 or later

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

For iLO 5, openssl v1.0.x or later is required in addition to above packages.

Customers who manually compile and install openssl or intentionally relocate /usr/bin/openssl, need to set PATH environment variable to direct HPONCFG to the right/intended openssl.

Fixes

Fixed an issue where HPONCFG was not able to detect openssl library when multiple 64-bit openssl installed.

Enhancements

Updated product name to HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T).

Software - System Management

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Agentless Management Service (iLO 5) for SUSE Linux Enterprise Server 15

Version: 2.4.1 **(Optional)**

Filename: amsd-2.4.1-1571.4.sles15.x86_64.compsig; amsd-2.4.1-1571.4.sles15.x86_64.rpm

Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus Servers.
- amsd provides information to the iLO 5 service providing SNMP support.
- Requirements:
 - Minimum iLO 5 Firmware Version = 1.1
 - Minimum supported OS Versions = SUSE Linux Enterprise Server 15

Fixes

Fixed the following items:

- Addressed a small amount of memory leak as outlined in the Customer Advisory, [a00053824en_us](#)
- A customer may experience where smad may periodically report: No response from iLO for Hello. After losing connection with iLO, the subagent may experience high CPU utilization for trying the reconnection. This issue is documented in Customer Advisory https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00111063en_us.
- The cpqIde service not able to start while the AMSD configuration is agent mode.
- Addressed buffer overflow issues in select corner cases.

- Metadata update to address new AMD servers not listed in the supported platforms list.

Enhancements

This release contains the following enhancements:

- Enhance the robust communication with iLO. The enhancement has a proper process exist and OS signal handling.
- Enhance the SMA logging system for better recording of the communication events.
- The AMSD reports the Open NIC controllers SN to align with iLO for avoiding the un-sync information.

HPE ProLiant Agentless Management Service for SUSE LINUX Enterprise Server 15

Version: 2.10.3 **(Optional)**

Filename: hp-ams-2.10.3-877.3.sles15.x86_64.compsig; hp-ams-2.10.3-877.3.sles15.x86_64.rpm

Prerequisites

- hp-ams supported on HPE ProLiant Gen8 and Gen9 Servers.
- hp-ams provides information to the HPE iLO 4 service providing SNMP support.
- SNMP PASS-THRU on the HPE iLO 4 MUST be disabled, and SNMP should be configured on the HPE iLO 4. The HPE iLO 4 may need to be reset after changing these settings.
- Requirements:
 - Minimum HPE iLO 4 Firmware Version = 1.05
 - Minimum supported OS Versions = Red Hat Enterprise Linux 5.6, Red Hat Enterprise Linux 6.0, Red Hat Enterprise Linux 7.0, SUSE Linux Enterprise Server 10 SP4, SUSE Linux Enterprise Server 11 SP1, SUSE Linux Enterprise Server 12, SUSE Linux Enterprise Server 15

Fixes

Fixed the following items:

- Addressed a small amount of memory leak as documented in the Customer Advisory, [a00053824en_us](#)
- NVMe drive information is now available in the CPQSE.

HPE SNMP Agents for SUSE LINUX Enterprise Server 15

Version: 10.9.3 **(Optional)**

Filename: hp-snmp-agents-10.93-680.4.sles15.x86_64.compsig; hp-snmp-agents-10.93-680.4.sles15.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 the following items:

- Addressed issue where the HPE Synergy 3820C 10/20Gb Converged Network Adapter was showing not supported
- Corrected invalid utf8mb4 char in database

HPE System Health Application and Command Line Utilities for SUSE LINUX Enterprise Server 15

Version: 10.9.2 **(Optional)**

Filename: hp-health-10.92-6.6.sles15.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 the following items:

- When a customer queries the HPE Software Delivery Repository (SDR) site and experiences a failure amsd no longer exhibits a segfault.
- hp-health service will no longer crash in a non secure boot environment.

Enhancements

Enhancements included in this release:

- Support for SUSE Linux Enterprise Server 15 Service Pack 2

HPE System Management Homepage Templates for Linux

Version: 10.8.1 **(Optional)**

Filename: hp-smh-templates-10.8.1-1487.3.noarch.rpm

Prerequisites

The **hp-smh-templates** RPM install will fail, if all dependencies are not installed. The administrator can verify the list of dependencies required by running this command. If the repositories being used by yum or zypper, includes these dependencies, the installation tool will automatically retrieve them. However if they are not present, the user must manually install them prior to proceeding with the RPM install.

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

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

Fixes

Initial support for Red Hat Enterprise Linux 8 Server

Component Notes

SLES15 SP3 supplement for SPP Contents

This table lists all of the software and firmware on this SLES15 SP3 supplement for SPP. For more information on this deliverable go to www.hpe.com/servers/spp/download.

Product Category	Component Title	Version	Release Date	Filename
Application - System Management	Integrated Smart Update Tools for Linux x64	2.8.0.0	27 June 2020	sut-2.8.0-26.linux.x86_64.rpm
Driver - Storage Controller	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for SUSE LINUX Enterprise Server 15 (64-bit)	2.1.12-025	03 June 2021	smartpqi-kmp-default-2.1.12-025.sles15sp2.x86_64.rpm smartpqi-kmp-default-2.1.12-025.sles15sp3.x86_64.rpm
Driver - Storage Controller	HPE ProLiant Smart Array Controller (64-bit) Driver for SUSE	3.4.20-210	06 June 2021	hpsa-kmp-default-3.4.20-210.sles15sp3.x86_64.rpm hpsa-kmp-default-3.4.20-210.sles15sp2.x86_64.rpm

	LINUX Enterprise Server 15 (64-bit)			
Driver - Storage Controller	HPE Dynamic Smart Array B140i SATA RAID Controller Driver for SUSE LINUX Enterprise Server 15 (64-bit)	1.2.10-196	27 June 2021	hpdsa-kmp-default-1.2.10-196.sles15sp3.x86_64.rpm hpdsa-kmp-default-1.2.10-196.sles15sp2.x86_64.rpm
Software - Lights-Out Management	HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	5.6.0-0	27 June 2020	hponcfg-5.6.0-0.x86_64.rpm
Software - System Management	HPE System Health Application and Command Line Utilities for SUSE LINUX Enterprise Server 15	10.9.2	21 November 2019	hp-health-10.92-6.6.sles15.x86_64.rpm
Software - System Management	Agentless Management Service (iLO 5) for SUSE Linux Enterprise Server 15	2.4.1	21 May 2021	amsd-2.4.1-1571.4.sles15.x86_64.rpm
Software - System Management	HPE SNMP Agents for SUSE LINUX Enterprise Server 15	10.9.3	22 April 2021	hp-snmp-agents-10.93-680.4.sles15.x86_64.rpm
Software - System Management	HPE ProLiant Agentless Management Service for SUSE LINUX Enterprise Server 15	2.10.3	22 April 2021	hp-ams-2.10.3-877.3.sles15.x86_64.rpm

Software - System Management	HPE System Management Homepage Templates for Linux	10.8.1	15 February 2019	hp-smh-templates-10.8.1-1487.3.noarch.rpm
Software - Driver Update	HPE Dynamic Smart Array B140i SATA RAID Controller Driver for SUSE LINUX Enterprise Server 15 (64-bit)	1.2.10-196	27 June 2021	

There are 11 items in this table.

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