Hewlett Packard
Enterprise

Red Hat Enterprise Linux 8.6

Supplement for Gen9.0 Post Production Service Pack for ProLiant 2022.03.0 Release Notes

June 2022

Document History:

Released	Description
June 2022	Final Version

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Overview

A Service Pack for ProLiant (SPP) Supplement is a software bundle. It may include support for a new operating system update excluded in SPP but functions with the SPP components. The Supplement will provide support for functionality that is required outside a normal SPP release cycle allowing HPE to deliver support, so customers do not have to wait on a complete 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. Please 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 is the Red Hat Enterprise Linux (RHEL) 8.6 Supplement for Gen9.0 Post Production Service Pack for ProLiant 2022.03.0.

For more information on which servers are supported with RHEL 8.6, please visit our OS Support Site at: SPP OS Support Guide.

Product Name	Comment
RHEL8.6 Supplement for Gen9.0 SPP version 2022.03.0	Bundle containing software components Filename: supspp-2022.03.rhel8.6.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

Gen9 Service Pack for ProLiant 2022.03.0

Summary of Changes

Important Notes

When the terms, Supplement, Service Pack for ProLiant or SPP are used throughout this document, they refer to all 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 Red Hat Enterprise Linux (RHEL) 8.6 Supplement for Service Pack for ProLiant

release is:

Added support for Red Hat Enterprise Linux 8.5

This Supplement corresponds with SPP 2022.03.0. Drivers either found in SPP 2022.03.0 or delivered with the RHEL 8.4 distribution can be used. However, the drivers found in the initial release (SPP 2022.03.0) may not contain all the HPE value added features that are available in the Supplement. These features will be added in a future SPP release.

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 supplement:

Product	Version
Service Pack for ProLiant	2022.03.0 2021.10.0 2021.05.0 2020.09.2

Note: The users may see the “thawing” state in the systemd message console because the systemd doesn’t set the default value correctly, especially after a restart or reload services.

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/libqlsdm.so
- /usr/lib64/libqlsdm-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

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.

To upload selected components to the iLO Repository and create an install set, select Save Components as an Install set on iLO Repository. SUM automatically creates a default name and description, but you can edit the name and description for the install set. You can use this install set to roll back the server components at a future time. The name and description are **limited to 63 characters**, and the only special characters allowed are - and _.

Component Release Notes

Driver - Storage Controller
Software - System Management

Driver - Storage Controller Top

HPE ProLiant Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)
Version: 3.4.20-211 **(Recommended)**
Filename: kmod-hpsa-3.4.20-211.rhel8u4.x86_64.compsig; kmod-hpsa-3.4.20-211.rhel8u4.x86_64.rpm; kmod-hpsa-3.4.20-211.rhel8u5.x86_64.compsig; kmod-hpsa-3.4.20-211.rhel8u5.x86_64.rpm

Enhancements

Added RHEL8.5 support

Software - System Management Top

HPE ProLiant Agentless Management Service for Red Hat Enterprise Linux 8 Server
Version: 2.10.5 **(Optional)**
Filename: hp-ams-2.10.5-888.1.rhel8.x86_64.compsig; hp-ams-2.10.5-888.1.rhel8.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, SuSE Linux Enterprise Server 10 SP4, SuSE Linux Enterprise Server 11 SP1

Fixes

Fixed the following items:

- Addressed issue where the NIC port status or IML record when NIC port link status changes from "Unknown" to "OK". Updated the SNMP trap to make iLO/IML record the correct link port status.

HPE SNMP Agents for Red Hat Enterprise Linux 8 Server
Version: 10.9.4 **(Optional)**
Filename: hp-snmp-agents-10.94-689.8.rhel8.x86_64.compsig; hp-snmp-agents-10.94-689.8.rhel8.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:

- The hp-snmp-agent may show "NAME="SLES"" as OS description for all the SLES15 and subversion.
- The user may see the incorrect status for the connected NIC ports due to missing the ifconfig system command in SLES15 and subversion.
- The user may see interface information is missing on the SMH page due to the hp-snmp-agent for SLES 15 missing the systemd rpm during the package build.

HPE System Health Application and Command Line Utilities for Red Hat Enterprise Linux 8 Server
Version: 10.9.3 **(Optional)**
Filename: hp-health-10.93-307.4.rhel8.x86_64.compsig; hp-health-10.93-307.4.rhel8.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:

- The hpasmcli utility may show DIMM status as "N/A" due to the SMBIOS data entry not correctly initializing the DIMM information.

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

Content Notes

RHEL8.6 Supplement for Gen9 SPP Contents

This table lists all of the software and firmware on this RHEL8.6 Supplement for Gen9 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	2.9.1.0	21 October 2021	sut-2.9.1-22.linux.x86_64.rpm
Driver - Storage Controller	HPE ProLiant Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	3.4.20-218	06 May 2022	kmod-hpsa-3.4.20-218.rhel8u5.x86_64.rpm kmod-hpsa-3.4.20-218.rhel8u6.x86_64.rpm
Driver - Storage Controller	HPE Dynamic Smart Array B140i SATA RAID Controller Driver for Red	1.2.10-211	06 May 2022	kmod-hpdsa-1.2.10-211.rhel8u6.x86_64.rpm

	Hat Enterprise Linux 8 (64-bit)			kmod-hpdsa-1.2.10-211.rhel8u5.x86_64.rpm
Driver - Storage Controller	HPE ProLiant Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	3.4.20-211	03 December 2021	kmod-hpsa-3.4.20-211.rhel8u5.x86_64.rpm kmod-hpsa-3.4.20-211.rhel8u4.x86_64.rpm
Software - Driver Update	HPE Dynamic Smart Array B140i SATA RAID Controller Driver for Red Hat Enterprise Linux 8 (64-bit)	1.2.10-211	07 May 2022	
Software - System Management	HPE SNMP Agents for Red Hat Enterprise Linux 8 Server	10.9.4	28 August 2021	hp-snmp-agents-10.94-689.8.rhel8.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 - System Management	HPE ProLiant Agentless Management Service for Red Hat Enterprise Linux 8 Server	2.10.5	03 January 2022	hp-ams-2.10.5-888.1.rhel8.x86_64.rpm
Software - System Management	HPE System Health Application and Command Line Utilities for Red Hat Enterprise Linux 8 Server	10.9.3	10 April 2021	hp-health-10.93-307.4.rhel8.x86_64.rpm
Software - Lights-Out Management	HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	5.7.0-0	03 January 2022	hponcfg-5.7.0-0.x86_64.rpm

There are 10 items in this table.