



Hewlett Packard
Enterprise

Red Hat Enterprise Linux 8.6

Supplement Release Notes for Service Pack for ProLiant 2022.03.0

Gen10/Gen10 Plus

June 2022

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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.

Beginning with 2022.03.0, there is an additional Gen10 production Supplement SPP release.

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 Gen10/Gen10 Plus 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: <https://www.hpe.com/servers/ossupport>.

ProductName	Comment
RHEL8.6 Supplement for Gen10/Gen10 Plus SPP version 2022.03.0	Bundle containing software components Filename: gen10supsp-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

Gen10/Gen10 Plus 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 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 Red Hat Enterprise Linux (RHEL) 8.6 Supplement for Service Pack for ProLiant Gen10/Gen10 Plus release is:

Added support for Red Hat Enterprise Linux 8.6

This supplement must be installed only if RHEL 8.6 was installed earlier.

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

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/libqldsmdm.so
- /usr/lib64/libqldsmdm-x86_64.so
- /lib/cim/libqldsmdm.so
- /usr/lib/libemsdmdm.so
- /usr/lib64/libemsdmdm.so
- /lib/cim/libemsdmdm.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).

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 respectively.
- 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.

During deployment, launch SUM from SPP 2022.03.0 and add 8.6 Supplement as a baseline. Components can be combined into a single ISO using SUM custom baseline or applied as separate packages components can be combined into a single ISO using SUM custom baseline or applied as separate packages.

Note: Gen10 iLO 5 Linux and iLO 5 nodes only -to manage the iLO Repository, select the iLO Repository Options tab. (When running SUM in GUI mode).

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

Release Notes for RHEL8.6 Supplement for Gen10/Gen10 Plus SPP, v2022.03.0

[Software - Lights-Out Management](#)

[Software - System Management](#)

Software - Lights-Out Management Top

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

Version: 5.7.0-0 (**Optional**)

Filename: hponcfg-5.7.0-0.x86_64.compsig; hponcfg-5.7.0-0.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.

Enhancements

Introduced support for Red Hat Enterprise Linux 9 Server OS.

Software - System Management

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Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 8 Server

Version: 2.6.0 **(Optional)**

Filename: amsd-2.6.0-1701.1.rhel8.x86_64.compsig; amsd-2.6.0-1701.1.rhel8.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 = Red Hat Enterprise Linux 8

Fixes

Fixed the following items:

- Users may see the OS logical disk usage percentage difference is much between OS level and AHS. The fix refines the result to minor the difference between OS level and AHS.
- Users may not find correct NIC port status or IML record when NIC port link status changes from "Unknown" to "OK". The SNMP Trap to make iLO/IML record that link port status changes has been updated.

Enhancements

The following enhancements are available:

- Align with cross OSES AMS NIC port status behavior. Marked NIC port link status as "Unknown" when no link was found upon AMS started.

HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit

Version: 007.1616.0000.0000 (B) **(Optional)**

Filename: storcli-007.1616.0000.0000-1.x86_64.compsig; storcli-007.1616.0000.0000-1.x86_64.rpm

Enhancements

- Added support for DL20 Gen10 Plus server

Contents Report

RHEL8.6 Supplement for Gen10 / Gen10 Plus SPP Contents

This table lists all of the software and firmware on this RHEL8.5 Supplement for Gen10 / Gen10 Plus SPP.

For more information on this deliverable go to www.hpe.com/servers/spp/download.

Product Category	Component Title	Version	Release Date	Filename
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Application - System Management	Integrated Smart Update Tools for Linux x64	2.9.0.0	08 March 2021	sut-2.9.0-53.linux.x86_64.rpm
Driver - Storage Controller	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	2.1.14-036	09 December 2021	kmod-smartpqi-2.1.14-036.rhel8u4.x86_64.rpm kmod-smartpqi-2.1.14-036.rhel8u5.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 Management Homepage for Linux (AMD64/EM64T)	7.6.7-1	08 May 2021	hpsmh-7.6.7-1.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	2.10.4	21 May 2021	hp-ams-2.10.4-885.5.rhel8.x86_64.rpm
Software - System Management	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 8 Server	2.5.0	08 February 2021	amsd-2.5.0-1675.24.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

There are 8 items in this table.