

Overview

HPE Slingshot Monitoring Software

The HPE Slingshot Monitoring Software (SMS) is designed to deliver real-time insights into the operational health of the HPE Slingshot interconnect fabric, providing a comprehensive suite of tools for monitoring, analysis, and diagnostics. By leveraging standardized descriptive and diagnostic analytics, SMS ensures a consistent and accurate view of the fabric health, enabling users to better understand and address potential issues within their environment.

SMS offers robust monitoring capabilities that provide quick and in-depth visibility into critical issues and events over the fabric that might be time consuming for the user to identify. These features make it suitable for systems of any size, from small-scale deployments to large-scale, high-performance computing environments. The software equips users with the tools necessary to rapidly identify and resolve performance bottlenecks, minimizing the time spent on root cause analysis and enhancing operational efficiency.

The primary value of SMS lies in its ability to optimize system utilization and availability. By delivering actionable, data-driven insights, it empowers administrators to make informed decisions that improve overall system utilization. Additionally, SMS plays a vital role in reducing machine downtime by proactively identifying issues and facilitating timely intervention through recommended actions and troubleshooting steps. These capabilities collectively help organizations maximize their return on investment in HPE Slingshot interconnect technology while ensuring consistent and reliable system performance.

What's New

HPE Slingshot Monitoring Software new version.

Standard Features

Fabric Overview

Offers a comprehensive overview of the HPE Slingshot interconnect within HPC systems, delivering detailed insights into its operational health

Fabric Overview displays key highlights regarding:

- Fabric Manager (FM) Status(es)
- Switch health
- Link health
- Alerts

Fabric Manager Detailed View

- Displays the cluster role of the FM node
- Displays the CPU utilization, memory utilization, and disk utilization of the selected FM
- Displays a table with timestamp, location, alert with severity, cause and recommended action

Switch Overview

- Every switch organized by dragonfly topology group with its health status such as healthy or unhealthy
- Displays a table with switch, status, ASIC temperature, maximum event severity, firmware version, uptime, group ID, and switch ID.

Switch Detailed View

- Selected switch detailed view with a time-series visualization of errors or alerts and real-time hardware metrics
- Displays tables of Fabric Health alerts, HSN Link events, and Redfish alerts of the selected switch, including relevant data such as location of the event (for example, port xname), timestamp, cause, and recommended actions

Link Overview

- Visualizes all unhealthy links in the system by type and by severity
- Displays a table with Link Health details including both ports connected by the link, the link type (local, edge, or global), status (indicating the severity, which can be warning, critical, or None), the most recent link-related health event, and its corresponding recommended action

Link Detailed View

- Displays the error along with its description and recommended action of the selected link
- Provides troubleshooting procedures with links to the HPE Slingshot Troubleshooting Guide
- Displays a time-series visualization of all LinkDown events grouped by cause, HSN link events, location of the event (that is port xname), timestamp, severity, cause, and recommended actions

Alerts Overview

- Categorized alerts by severity and by component type
- Displays a table listing all alerts, including their type, severity, component type, location, timestamp, and message

The key features of HPE Slingshot Monitoring Software are:

- Designed for simplicity and clarity, the dashboards offer an intuitive interface for monitoring fabric health. This reduces the time needed to pinpoint the root cause of issues and minimizes the reliance on manual troubleshooting efforts.
- SMS gathers telemetry data from multiple interconnect device endpoints, delivering comprehensive, real-time visibility into the fabric's status and operation metrics.
- SMS displays detailed device status, errors, events, and alerts categorized by severity, ensuring that administrators can promptly address critical issues, thereby reducing downtime.
- SMS provides detailed event logs, allowing administrators to trace when and where issues occurred. This facilitates faster root-cause analysis and resolution across both HPE Slingshot hardware and software.
- The software suggests actionable steps and links directly to relevant troubleshooting and operations guides, such as the HPE Slingshot Troubleshooting Guide and the HPE Slingshot Operations Guide, streamlining problem resolution.



Standard Features

Hardware Requirements

HPE Performance Cluster Manager software is supported on the following Gen9, Gen10 and Gen10 Plus platforms:

- HPE Cray EX systems
- HPE SGI 8600 and HPE Apollo9000
- HPE Apollo 2000, 6000, 6500 systems
- HPE ProLiant DL325 / 360 / 380 / 385 / 580 servers
- HPE Moonshot Systems
- HPE Superdome Flex Systems
- HPE Cray XD 2000/200v, 225v and 295v systems

Please work with the HPE Slingshot Product Management team to develop system specific hardware requirements.

Supported Operating Systems

HPE Performance Cluster Manager software supports Red Hat® Enterprise Linux® 8, Rocky Linux 8, and SUSE Linux Enterprise Server 15 on the management nodes requiring Quorum HA. The cluster compute nodes can run Red Hat Enterprise Linux 8.6, 8.7, 9.0 and 9.1, SUSE Linux Enterprise Server 15 SP3 and SP4, Rocky Linux 8.6, 8.7, 9.0 and 9.1, Cray OS 2.4 and 2.5 and TOSS 4.4 and 4.5. Additionally, the HPC versions of RHEL and SLES are also supported on the compute nodes. The administrative and leader nodes must be running the same operating system release. Quorum HA requires a subscription to the SUSE Linux Enterprise High Availability Extension or Red Hat High Availability Add-On.



Service and Support

HPE Services

No matter where you are in your digital transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

<https://www.hpe.com/services>

Consulting Services

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.

<https://www.hpe.com/services/consulting>

HPE Managed Services

HPE runs your IT operations, providing services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

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Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.

<https://www.hpe.com/services/operational>

HPE Complete Care Service

HPE Complete Care Service is a modular, edge-to-cloud IT environment service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals through a personalized experience. All delivered by an assigned team of HPE Services experts. HPE Complete Care Service provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

<https://www.hpe.com/services/completecure>

HPE Tech Care Service

HPE Tech Care Service is the operational support service experience for HPE products. The service goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Tech Care Service delivers a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical which includes a 6-hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>



Service and Support

HPE Lifecycle Services

HPE Lifecycle Services provide a variety of options to help maintain your HPE systems and solutions at all stages of the product lifecycle. A few popular examples include:

- Lifecycle Install and Startup Services: Various levels for physical installation and power on, remote access setup, installation and startup, and enhanced installation services with the operating system.
- HPE Firmware Update Analysis Service: Recommendations for firmware revision levels for selected HPE products, taking into account the relevant revision dependencies within your IT environment.
- HPE Firmware Update Implementation Service: Implementation of firmware updates for selected HPE server, storage, and solution products, taking into account the relevant revision dependencies within your IT environment.
- Implementation assistance services: Highly trained technical service specialists to assist you with a variety of activities, ranging from design, implementation, and platform deployment to consolidation, migration, project management, and onsite technical forums.
- HPE Service Credits: Access to prepaid services for flexibility to choose from a variety of specialized service activities, including assessments, performance maintenance reviews, firmware management, professional services, and operational best practices.

Notes: To review the list of Lifecycle Services available for your product go to:

<https://www.hpe.com/services/lifecycle>

For a list of the most frequently purchased services using service credits, see the [HPE Service Credits Menu](#)

Other Related Services from HPE Services:

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Broad catalogue of course offerings to expand skills and proficiencies in topics ranging from cloud and cybersecurity to AI and DevOps. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

<https://www.hpe.com/services/training>

Defective Media Retention

An option available with HPE Complete Care Service and HPE Tech Care Service and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and services options.

Parts and Materials

HPE will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

How to Purchase Services

Services are sold by Hewlett Packard Enterprise and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find services at <https://ssc.hpe.com/portal/site/ssc/>



Service and Support

AI Powered and Digitally Enabled Support Experience

Achieve faster time to resolution with access to product-specific resources and expertise through a digital and data driven customer experience

Sign into the HPE Support Center experience, featuring streamlined self-serve case creation and management capabilities with inline knowledge recommendations. You will also find personalized task alerts and powerful troubleshooting support through an intelligent virtual agent with seamless transition when needed to a live support agent.

<https://support.hpe.com/hpesc/public/home/signin>

Consume IT On Your Terms

HPE GreenLake edge-to-cloud platform brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake edge-to-cloud platform accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

To learn more about HPE Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE"

<https://www.hpe.com/us/en/contact-hpe.html>

For more information

www.hpe.com/services



Configuration Information

HPE Slingshot Monitoring Software Products

HPE Slingshot Monitoring Software is not a licensed product. However, SMS has a dependency on HPE Performance Cluster Manager (HPCM). A single node of HPCM for monitoring is required to install and configure SMS.

Models

Licensing and Media Options

HPE Performance Cluster Manager 1 Node 3yr 24x7 Support Perpetual E-LTU

Q9V60AAE

Notes:

- One license per node.
- Includes three years of support.
- This is an electronic license.
- This is a perpetual license. The software will continue working even when the support term ends.

HPE Performance Cluster Manager 1 Node 3yr 24x7 Support Perpetual LTU

Q9V60A

Notes:

- One license per node.
- Includes three years of support.
- This is a perpetual license. The software will continue working even when the support term ends.



Summary of Changes

Date	Version History	Action	Description of Change
16-Dec-2024	Version 01	New	New QuickSpecs



Copyright

Make the right purchase decision.
Contact our presales specialists.

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For hard drives, 1GB = 1 billion bytes. Actual formatted capacity is less.

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