

HPE PERFORMANCE CLUSTER MANAGER

High Performance Computing Software



WHAT'S NEW

- Hardware Support: HPE Cray EX with HPE Slingshot-11 fabric software (scaling beyond 20K endpoints).
- Operating systems support: HPE Cray OS 2.2, RHEL 8.4, SLES 15 SP3, CentOS 8.4.
- Easier system configuration via simplified node referencing.
- Service Infrastructure Monitoring (SIM) - comprehensive monitoring and health checks of the service infrastructure for more resiliency.

OVERVIEW

The HPE Performance Cluster Manager software is a fully integrated system management solution for all HPE high performance computing (HPC) clusters and supercomputers. The software offers fast system setup from bare-metal, comprehensive hardware monitoring and management, image management and software updates as well as power management and more.

HPE Performance Cluster Manager reduces the time and resources you need to spend administering your systems, keeps them resilient and running as close to maximum efficiency as possible so you can achieve better return on your hardware investments.

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- Introducing monitoring and real-time health checks for HPE Slingshot fabric and for AMD GPUs.

FEATURES

Complete Feature Set

All the functionality you need to manage your HPE high performance computing systems all day, every day.

Fine-grained central monitoring and management of all aspects of your cluster hardware (CPUs, memory, GPUs, networking, cooling, software ...) via interface of your choice (GUI, CLI, Grafana, Kibana...).

Streamline maintenance by setting up alerts and automatic reactions to events.

Cluster Health Check tools help to maximize uptime.

Advanced power management for better data center economy.

Easy System Management

Guided setup helps to easily install the software, discover hardware components for the cluster nodes and provision nodes. You can quickly provision a cluster with thousands of nodes from bare metal – typically within an hour.

Manage and scale your cluster easily using capabilities like automation, auto-discovery, comprehensive hardware monitoring, image management and software updates.

Integration with most widely used 3rd party HPC tools (workload management, system management, monitoring and more) to eliminate complexity.

Grow Your Systems Effortlessly

Manage system of any size – from couple of nodes to Exascale deployments.

No disruption to existing system with rolling hardware upgrades.

System management solution of choice for hybrid HPC infrastructure for on-prem and cloud.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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.

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