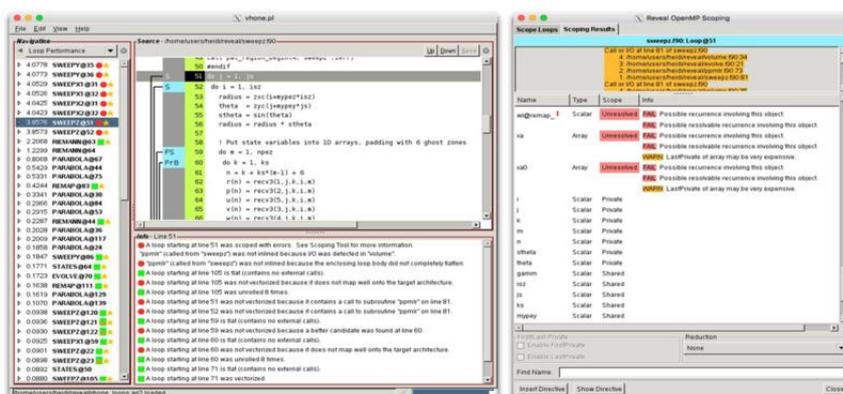**Hewlett Packard Enterprise**

HPE CRAY OPERATING SYSTEM

Cray Operating Systems

OVERVIEW

Do you need an operating system specifically designed to run demanding HPC applications?

HPE Cray Operating System (OS) is a suite of high-performance software designed to run large, complex applications and scale efficiently to more than 500,000 processor cores with hardened low-jitter OS at its core. This custom OS does not alter the ability to run standard Linux® applications, but rather enhance it for performance, scale, and reliability. The suite also offers integrated container support so you can accommodate a wider variety of workloads, making your systems ready for the exascale era.

FEATURES

Infrastructure Software for the Exascale Era

HPE Cray OS is based on SUSE® Linux Enterprise Server (SLES) with enhancements for high performance computing.

We crated a compute image that is particularly small in footprint, helping to maximize available computing resources and has a low-jitter OS to remove performance thieves.

The enhancements do not alter the ability to run standard Linux applications, but rather enhance it for performance, scale, and reliability.

The software suite offers integrated container support for more flexibility and many ISV applications are available "out of the box".

Integrated Performance, Resiliency, and Health Features

HPE Cray OS includes RAS features such as services to verify compute nodes run efficiently with integrated performance testing and hardware reporting.

Integrated node health service means that users can validate compute nodes prior to application launch to help maximize use of available resources.

HPE Cray OS offers power and frequency limiting for power capping and management.

Integrated support for Lustre® parallel file systems and enhanced compute node file system projection.

Leverage Cray Supercomputing Lineage

HPE Cray Operating System was developed and enhanced over several decades to address specific needs of HPC customers.

Built with features for the new era of computing, based on a long history of supercomputer leadership.

HPE Cray OS is fully supported by HPE Pointnext Services.

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.
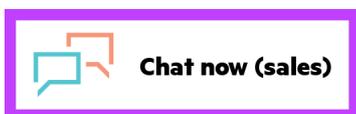
HPE GREENLAKE

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.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Hewlett Packard Enterprise