



RED HAT OPENSTACK PLATFORM VIRTUAL INFRASTRUCTURE MANAGER

Red Hat Cloud Solutions



OVERVIEW

HPE Red Hat® OpenStack® for network functions virtualization (NFV) is a carrier grade OpenStack platform that enables communications service providers (CSPs) to deploy NFV applications on open source software platforms. This platform combines the power of Red Hat® Enterprise Linux® (RHEL) with Red Hat OpenStack technology to deliver a scalable and secure foundation to build and manage the cloud. HPE helps to validate, create, deploy, scale, and manage a secure and

reliable Red Hat OpenStack cloud architecture on HPE infrastructure for providers all over the world. HPE Red Hat® Ceph Storage's® highly available, software-defined storage along with HPE Red Hat OpenStack Platform is an integrated, optimized, and managed foundation for production-ready clouds. Both depend on Linux for system-wide performance, scalability, and security and as an operating system for the guest applications running in these virtual environments.

FEATURES

Reliable Cloud Foundation

OpenStack relies on Linux and the HPE Red Hat® OpenStack® is co-engineered with Red Hat® Enterprise Linux®.

Fully redundant control plane with OpenStack controllers in quorum.

Ready-to-Use Cloud Storage

Pair OpenStack with Red Hat® Ceph Storage® for object, block, and file storage that improves cloud performance.

HPE allows for in-node, intra-rack and inter-rack scalability of Ceph Storage.

Red Hat Ceph Storage lets CSPs provision hundreds of virtual machines and build fully supported Red Hat OpenStack cloud platforms.

Granular 1TB storage licensing options available.

Deploy a Secure Private Cloud

With Red Hat Enterprise Linux at its core, HPE Red Hat OpenStack platform includes key security features such as Security-enhanced Linux.

HPE Red Hat OpenStack has earned some of the highest security credentials, including numerous federal certifications for deployments in government agencies.

Security Enhanced Linux (SELinux) military-grade security technologies prevent intrusions and protect data when running in public or private OpenStack clouds.

Extended Lifecycle

Standardize on a single version with at least 3 years of support, or add an additional support subscription for an extra 1 or 2 years for up to 5 years.

Use our integrated HPE Red Hat OpenStack director to deploy the latest features by updating with every new release.



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.

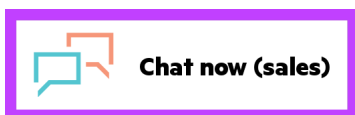
HPE GREENLAKE

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.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

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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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