

Trust the cloud you build

HPE Helion OpenStack

With HPE Helion OpenStack®, you have an open, configurable, and secure cloud infrastructure to support your business stakeholder demands and provide a modern, agile development experience for your developers.

- Deliver a great operational experience for your OpenStack cloud
- Policy-define your private cloud with enterprise-grade security capabilities
- A high degree of control over your IT environment, while preserving business agility
- Open source alternative for expensive, vendor-locked solutions. Choose your own mix of technology or hardware providers
- The most comprehensive global support, professional services, and training programs for your heterogeneous enterprise environments



Establishing an infrastructure to support the demands of modern business is all about finding your right mix of hybrid cloud. By implementing the right mix of private and public cloud for your organization, you can solve existing IT challenges, enable business outcomes, and prepare for future growth.

High-performing hybrid infrastructure has private cloud at its core, delivering security where you need it and enhancing productivity. With private cloud as the foundation of your hybrid plan, you can gain the agility and reliability you need for improved performance, economics and time-to-market.

Enterprise private cloud

HPE Helion OpenStack is a flexible cloud computing platform based on open source code that adheres tightly to trunk API standards and services. HPE Helion OpenStack offers core Infrastructure as a Service (IaaS) functionality that is highly customizable to simplify the management experience and enable rapid application

development and deployment. Based on OpenStack Newton, the latest version of HPE Helion OpenStack also offers self-service containers orchestration and bare metal multi-tenant networking (technical preview). For your most sensitive workloads, your data is encrypted at rest and in transit-you define the policy for who has access.

Ecosystem partnerships

HPE Helion OpenStack is designed to integrate with leading solutions and providers from across the industry. HPE has partnered with SUSE, a leader in open source based software development, to deliver the highest possible quality software and services. The partnership provides best-in-class OpenStack solutions for your multi-cloud environments, implemented and supported by HPE Pointnext and our broad partner ecosystem. HPE Helion OpenStack is 100% API compliant with trunk OpenStack, giving you the flexibility to integrate your new private cloud with your existing infrastructure investments and skillset.

Consultation, implementation, and support

Services from HPE Pointnext are designed to accelerate your transformation, building upon our heritage and strengths in infrastructure, our OpenStack experience, and our capability to deliver an outstanding customer experience. HPE focuses on optimizing infrastructure for your current and new generation of apps and data, curating and aggregating a production platform with a best-in-class partner ecosystem, and accelerating your innovation and time to value.

Learn more at hpe.com/helion/openstack

HPE Helion OpenStack 5.0 at a glance

Enterprise-grade security	Benefit from a hardened platform, critical patch support, data-in-transit encryption, network traffic separation, vulnerability management, and rigorous security best practices
Enhanced lifecycle management	Track and audit changes through a single-view management console, update or patch without application downtime, and automate your lifecycle management operations through the Helion Lifecycle Manager API
Integrated cloud monitoring and logging operations	Increase cloud service reliability and availability with integrated cloud monitoring and expanded centralized logging
HPE OpenStack Technology Indemnification Program¹	This is a legal position applicable to qualified HPE Helion OpenStack customers with a current support agreement. Read more
Global support	Benefit from streamlined per-server licensing with HPE global support
HPE Helion Pointnext	Build and deploy your Right Mix of cloud resources with design and implementation services
HPE Helion investment solutions	Accelerate the move to the cloud by leveraging flexible investment solutions: technology refresh, trade-in, dual usage, and transition services

¹ Subject to the terms and conditions of a separate indemnity agreement, qualified HPE Helion OpenStack customers with a current support agreement are eligible for HPE's OpenStack Technology Indemnification Program, under which HPE will indemnify, defend, and settle third-party copyright, patent, and trade secret infringement claims directed to OpenStack code, alone or in combination with Linux® code, in HPE Helion OpenStack. Subject to the terms of the indemnity agreement, HPE is offering this indemnity with no monetary cap, a key differentiator from our competitors, which demonstrates our commitment to the OpenStack platform and community. HPE's OpenStack Technology Indemnification Program is available to qualified customers who are direct customers of HPE, direct customers of authorized resellers for HPE Helion OpenStack, and direct customers of qualified service providers using HPE Helion OpenStack to provide services.

Related products and services

HPE Helion CloudSystem

HPE Helion CloudSystem 10 is a comprehensive hardware and software solution for private and hybrid cloud, delivering hosting, automation, and orchestration across heterogeneous cloud environments. HPE Helion CloudSystem redefines how you build and manage hybrid cloud services.

Learn more at hpe.com/helion/cloudsystem

HPE Pointnext

HPE Pointnext is an innovative IT services organization built to make Hybrid IT simple. As an agile technology partner, we help you to modernize your legacy infrastructure with the flexibility of the cloud, and maximize the value of your connected devices.

Learn more at hpe.com/services



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