

Solution Profile

Enterprise-Grade Private Cloud Powered by Hitachi Virtual Storage Platform One

Modern private cloud platform combines cloud agility with VSP One performance, availability and efficiency



Open, Scalable Private Cloud

Build a flexible private cloud that scales compute and storage independently with Hitachi Solutions for Red Hat OpenStack Platform.

Performance for Mission-Critical Workloads

Deliver consistent performance at scale, ensuring SLAs are met as workloads grow with [VSP One storage](#).

High Availability & Business Continuity

Ensure business-critical applications remain available, even during maintenance or site failures, with VSP One's gold-standard high availability and disaster-recovery capabilities.

Maximize production-ready enterprise private cloud by combining Red Hat® OpenStack® Platform with Hitachi Virtual Storage Platform One and integrated solutions.

Business leaders today face a convergence of pressures:

- **Escalating infrastructure costs** and licensing complexity in legacy virtualization environments.
- **Vendor lock-in**, limiting flexibility and negotiating power.
- **Operational silos** across compute, storage and networking.
- **Growing demands for availability, performance and data protection.**
- **Regulatory and data sovereignty requirements** driving some workloads back on premises.

While public cloud offers agility, many mission-critical workloads require predictable performance, low latency, data locality and cost control, making private cloud a strategic necessity.

Mission-Critical Performance

Delivers predictable, low-latency performance across mixed workloads.

Enterprise-Grade Availability & Resilience

UDesigned for always-on operations, featuring nondisruptive upgrades, active-active replication across sites, and integrated disaster recovery and snapshot capabilities.

Operational Efficiency & Simplicity

Faster provisioning and simplified day-to-day operations with advanced automation.

Enterprise Storage for Red Hat OpenStack Private Cloud

Hitachi Solutions for Red Hat OpenStack Platform delivers an enterprise-grade private cloud that combines the openness and scalability of Red Hat OpenStack Platform with the proven performance, resilience and efficiency of Hitachi Virtual Storage Platform One.

Designed for mission-critical workloads, the solution provides predictable low-latency performance, high availability and integrated data services while simplifying operations across compute and storage.

With validated architectures and end-to-end life-cycle services, you can modernize infrastructure, reduce vendor lock-in and gain cloud agility, without compromising control, security or reliability.

Built to scale seamlessly, the platform supports hybrid cloud strategies and evolving application demands while delivering a consistent, production-ready foundation for long-term enterprise growth. It enables application modernization by supporting container-based and cloud-native workloads, allowing your teams to modernize applications at their own pace using a consistent, enterprise-grade platform.

Use Cases

Private Cloud Modernization

Modernize legacy virtualization environments by transitioning to a scalable, open private cloud built on Red Hat OpenStack Platform and Hitachi Virtual Storage Platform One. This approach enables you to refresh infrastructure, simplify operations and introduce cloud automation while maintaining control over data, performance and security.

The result is a future-ready platform that supports both your traditional and containerized workloads.

VMware Exit or Cost Optimization

Reduce dependency on proprietary virtualization platforms by migrating workloads to Red Hat OpenStack Platform, without sacrificing enterprise performance or availability. With VSP One Hitachi delivers predictable, low-latency storage and always-on resilience, ensuring business continuity during and after migration.

You gain greater flexibility, improved cost transparency and long-term freedom from vendor lock-in.

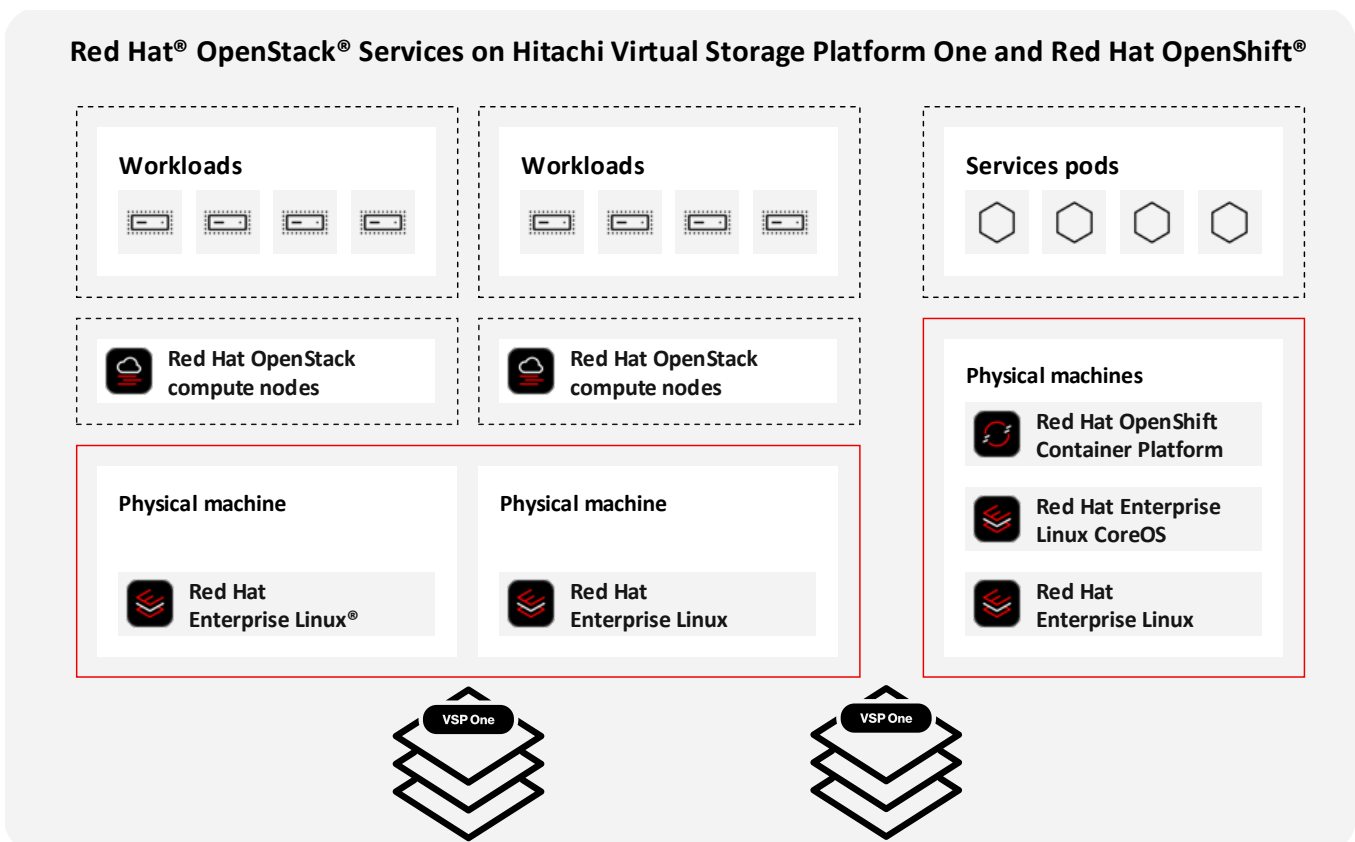


Figure 1. Enterprise private cloud redefined with open architecture, mission-critical performance and always-on resilience.

Mission-Critical Application Hosting

Confidently run databases, ERP systems and line-of-business applications on a private cloud engineered for reliability and performance. Hitachi ensures consistent service levels with VSP One: predictable latency, high availability and advanced data protection.

This approach allows you to modernize application infrastructure while meeting strict SLA, compliance and uptime requirements.

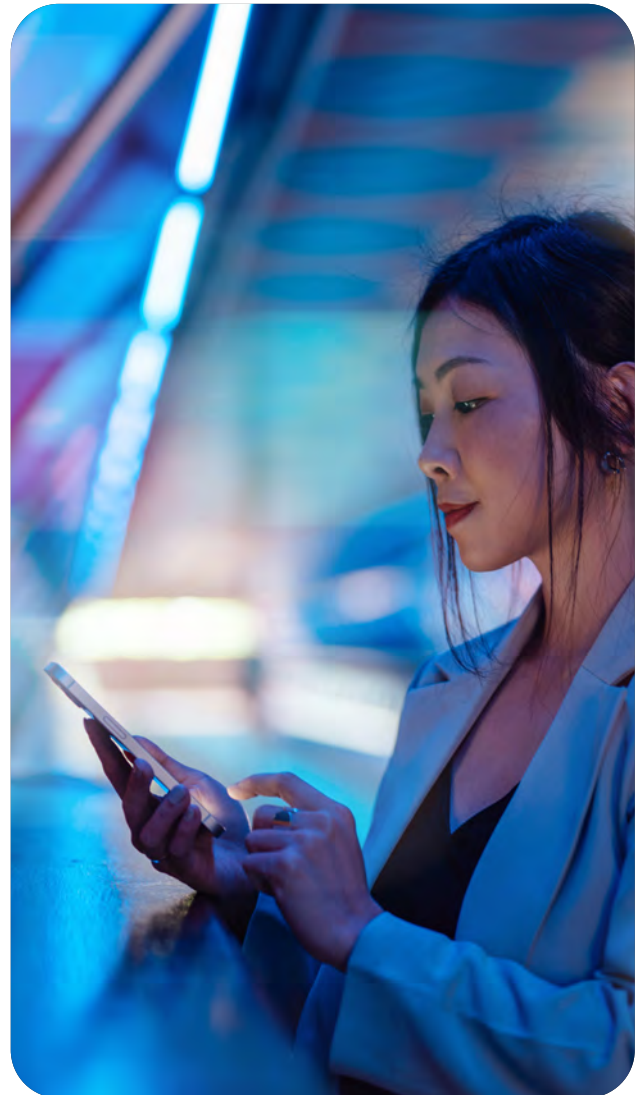
Summary

Together, Hitachi Virtual Storage Platform One and Red Hat OpenStack Platform, deliver a highly resilient and high-performance cloud infrastructure optimized for enterprise workloads.

This solution integrates proven Hitachi storage reliability with Red Hat OpenStack's flexible, open-source cloud platform, allowing you to deploy, scale and manage private and hybrid clouds with confidence. It accelerates mission-critical applications, simplifies operations and ensures multisite availability — providing the agility and efficiency you need to support modern workloads, from databases to virtualized environments.

By unifying storage and cloud management, you can modernize infrastructure, reduce operational complexity and confidently meet evolving IT demands.

[Learn more →](#)



About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.

Hitachi Vantara

Corporate Headquarters
2535 Augustine Drive
Santa Clara, CA 95054 USA
hitachivantara.com | community.hitachivantara.com

Contact Information
USA: 1-800-446-0744
Global: 1-858-547-4526
hitachivantara.com/contact

© Hitachi Vantara LLC 2026. All Rights Reserved. All other trademarks, service marks and company names are properties of their respective owners.

HV-BTD-SP-Enterprise-Grade-Private-Cloud-17Feb26-A