

Solution Profile

Accelerate and Automate Modernization With Hitachi Vantara and Red Hat

Transform virtualization with Hitachi Virtual Storage Platform One Block and Red Hat OpenShift



Enterprise Performance, Scale & Resilience

VSP One storage delivers unmatched enterprise-grade performance, scalability, and availability, ideal for powering Red Hat virtualization platforms

Migrate Virtual Workloads Rapidly

Move large-scale VM workloads to modern platforms up to 10x faster with storage offload, keeping critical services available and lowering risk

Simplify VM & Container Management

Manage VMs and containers through a single platform, reducing complexity and cost while increasing agility

Transform virtualized infrastructure with simplified, cost-effective Red Hat OpenShift on Hitachi Virtual Storage Platform One, leveraging integrated automation and migration solutions.

Enterprises today face rising pressure to modernize their virtualization to support hybrid cloud, AI workloads and continuous code delivery. However, escalating legacy virtualization licensing fees and complex renewal structures add significant cost pressures while locking organizations into rigid environments that are difficult to scale or optimize.

Traditional infrastructure management, heavily reliant on manual processes and fragmented tools, leads to inconsistent configurations, slow delivery and increased operational risk. Migrating large-scale virtual machine workloads from legacy virtualization to modern platforms like Red Hat OpenShift Virtualization may result in lengthy downtimes, network congestion and business disruptions. This can further delay transformation efforts and hindering the ability to deliver consistent, secure, and scalable services across evolving environments.



Mission-Critical Performance

VSP One delivers ultra-low latency, high IOPS and massive scalability with active-active resilience.



Reduced Risk

Lower data loss and extended outage risk with 10X faster migration.



Automate Workflows

Rapid, reliable, consistent storage workload deployment via native automation with Ansible integration.

Enterprise Storage for Red Hat OpenShift Virtualization

Hitachi storage and integrated systems deliver a high-performance, unified architecture that's purpose-built for mission-critical workloads on Red Hat OpenShift Virtualization.

Engineered with an NVMe-optimized design, VSP One achieves sub-millisecond latency and multimillion IOPS for demanding applications. Its massive linear scalability enables seamless consolidation of enterprise workloads across environments.

Advanced data services — such as global active-active clustering, automated QoS, and end-to-end path redundancy — ensure continuous availability and operational resilience. And native integration with Ansible and Red Hat tooling enables full-stack automation and orchestration, accelerating infrastructure-as-code adoption with consistent, enterprise-grade performance.

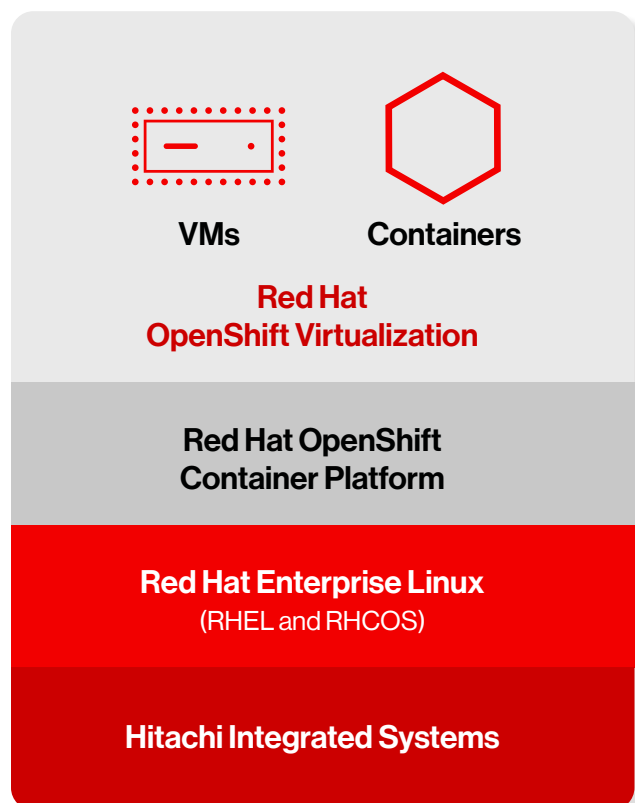


Figure 1: High-performance Hitachi storage systems are optimized for Red Hat OpenShift Virtualization, delivering ultra-low latency, massive scalability and continuous availability. Integrated automation with Ansible accelerates infrastructure-as-code deployments across enterprise environments.

Use Cases

Accelerate Migration to Red Hat OpenShift Virtualization

Migrate large VMware workloads to Red Hat OpenShift Virtualization up to 10x faster while reducing downtime. Storage offload with VSP One eliminates network congestion and preserves compute resources, ensuring business services remain available. Enterprises can modernize infrastructure confidently, reducing project risk and accelerating the move to a unified VM and container platform.

Hybrid Cloud Modernization

VSP One and VSP One SDS Cloud enable advanced data services, including automated snapshots, replication and policy-driven data governance across hybrid clouds. Enterprises can confidently scale applications globally, improve disaster recovery readiness and enhance compliance. At the same time, they can leverage the performance, security and operational simplicity of VSP One integrated with OpenShift.

Unified VM and Container Operations

VSP One with Red Hat OpenShift allows organizations to manage VMs and containers under a single control plane. This simplifies operations, reduces licensing costs and accelerates DevOps pipelines, enabling teams to deploy new applications faster while modernizing legacy workloads — without creating operational silos.

Accelerate and Automate Modernization With Hitachi Vantara and Red Hat

Summary

As enterprises face rising licensing costs and complexity, shifting to modern platforms is essential for agility and scalability. You can accelerate, automate and modernize your virtualized infrastructure with Hitachi Vantara and Red Hat OpenShift.

Hitachi Vantara provides VSP 360, with native Ansible integration and advanced automation, to streamline storage operations while reducing manual tasks. By combining VSP 360 with Red Hat OpenShift Virtualization and MTV (Migration Toolkit for Virtualization) storage offload, you can migrate VM workloads up to 10x faster with minimal disruption.

This unified approach helps IT teams simplify management, embrace hybrid cloud confidently and deliver consistent, secure and scalable services across AI and modern application environments.

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.

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