

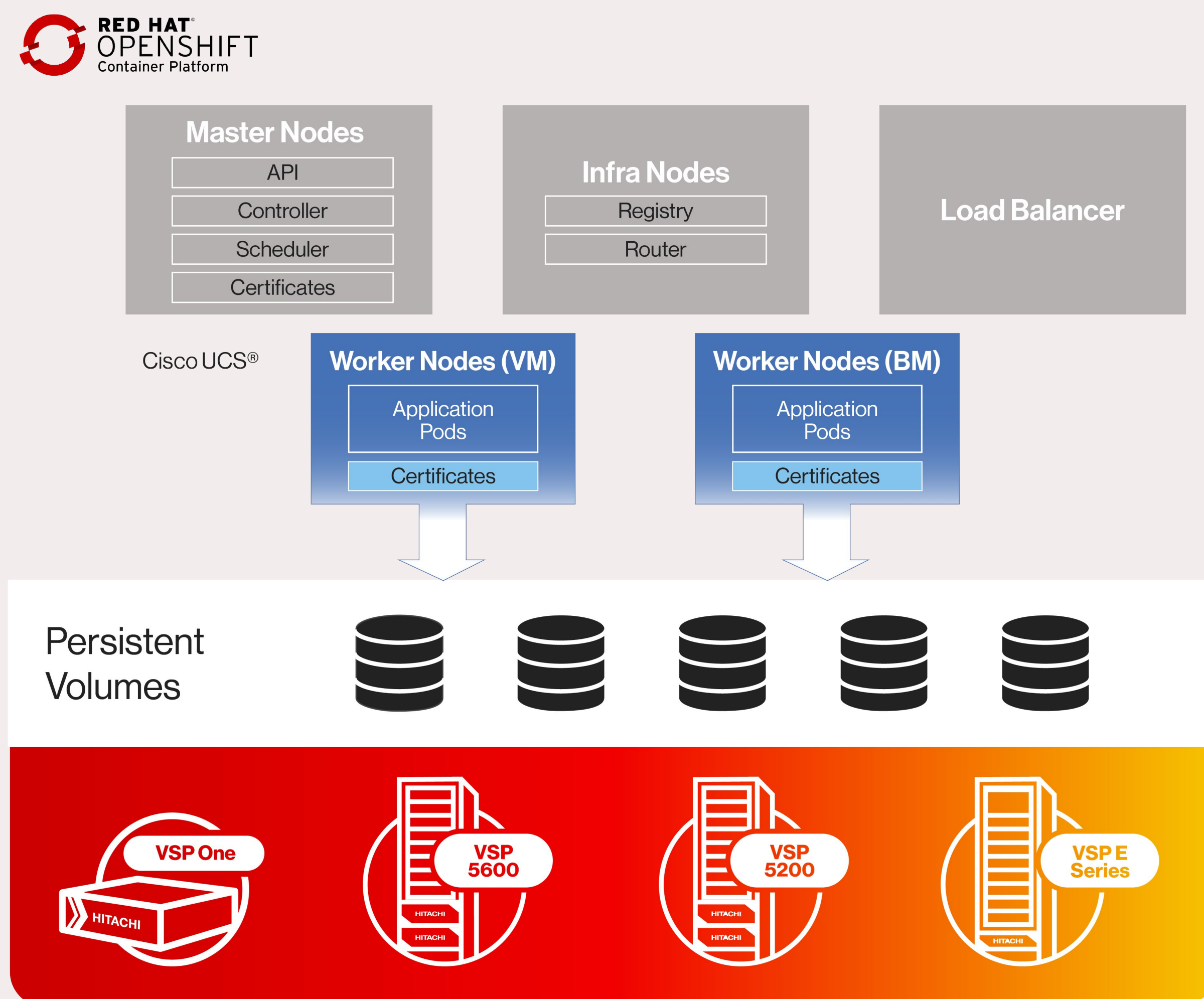
eBook

Top 5 Reasons To Choose Hitachi Integrated Systems for High- Performance Hybrid Cloud With Red Hat OpenShift and Cisco

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Increasing the pace of innovation and time to market is critical for businesses to gain and maintain competitive edge. Product and engineering teams leverage Red Hat® OpenShift® Container Platform (OCP) for developing, deploying and managing containerized applications across on-premises and public cloud environments.

Combining virtualization and orchestration capabilities of Red Hat OCP with Hitachi Vantara's proven cloud infrastructure allows you to innovate and go to market faster while ensuring continuous application availability and high operational efficiency. Many technology leaders are accelerating adoption of Red Hat OCP to accelerate cloud modernization without compromising on scale, manageability or security.



Let's look at the top five compelling reasons why it's a no-brainer to deploy Red Hat OCP on [Cisco and Hitachi Adaptive Solutions for Converged Infrastructure](#) powered by Hitachi Vantara Virtual Storage Platform One (VSP One) and Hitachi Virtual Storage Platform (VSP).

1. Enhanced Performance and Scalability

Low-Latency Infrastructure

Power your most demanding workloads with VSP and [VSP One](#), which set performance standards with low microsecond latencies and high-throughput infrastructure. These patented Hitachi technologies allow your businesses to rapidly process large data volumes while maintaining low access times for business-critical applications, such as core banking, trading, ERP, AI, big data analytics and high-performance computing.

33M

IOPS

1.9X

Faster Than
Closest

39 μ s

Best-in-Class
Latency

Scalability

Drive enterprise growth without limits: Hitachi cloud infrastructure delivers scale to power enterprise growth, today and tomorrow. VSP One provides the data platform that gives you the flexibility and scale to grow with business expansion. Operational performance is driven by a common VSP One management plane and support for hybrid cloud with [VSP One SDS](#).

AI-Driven Resource Optimization

Reduce inefficiencies in how storage and compute resources are used: Leverage AI to predict workload requirements and VSP One to optimize workload placement. This approach not only enhances performance but also reduces energy waste and resource overuse.

2. Unified Management and Operational Simplicity

Single Management Plane

Provision, manage and operate full-stack converged infrastructure with Cisco Intersight® software to reduce management complexity and increase staff productivity.

Operational Consistency

The unified architecture allows for consistent deployment, security policies and CI/CD pipelines across multiple data centers, helping to streamline operations and reduce complexity.



Automation

Reduce operational risks and deliver applications and infrastructure faster by employing advanced automation capabilities with Cisco Intersight, Hitachi Ops Center and Red Hat OpenShift.

3. Cost Optimization

CapEx and OpEx Reduction

High-performance Red Hat OpenShift Container Platform running on Cisco and Hitachi Adaptive Solutions for Converged Infrastructure can significantly reduce your infrastructure acquisition costs by increasing the VM density on similar footprint. OpenShift allows you to run more workloads on fewer servers, reducing infrastructure and VMware licensing costs.

Cost-Effective Operations

Powerful Hitachi infrastructure solutions allow you to run more workloads on fewer compute and storage resources, thus saving CapEx and OpEx. By consolidating workloads on a single, open-source platform with integrated storage and compute from Hitachi and Cisco, you can achieve cost savings while enhancing scalability, flexibility and performance.



Pay-As-You-Go Flexibility

[EverFlex from Hitachi](#) delivers hybrid cloud solutions as-a-service on a consumption-based, flexible and scalable model, enabling you to manage resource needs with minimal upfront investment. It optionally provides a fully managed, hands-off approach to infrastructure, ensuring that your enterprise can focus on core business goals while Hitachi experts handle the complexity of resource management.

4. Future-Proofing With Flexibility and Innovation

Support for Multicloud and Hybrid Cloud

The combination of Cisco and Hitachi Adaptive Solutions for Converged Infrastructure with Red Hat OpenShift enables a truly hybrid experience. You gain flexibility to move workloads across multiple clouds (private and public) and on-premises environments as your business needs evolve.

Integration With Modern Technologies

This integrated Hitachi solution, powered by VSP One, supports a wide range of emerging technologies, such as AI/ML, data analytics and edge computing. Leveraging Hitachi infrastructure for these workloads can help you future-proof your environment and drive innovation forward.

Ecosystem for Innovation

Tech leaders Hitachi, Cisco and Red Hat continuously invest in the platform and deeply collaborate to roll out cutting-edge hybrid cloud solutions. Together, we ensure that your platform is ready for future updates, features and integrations with next-gen technologies.

5. Sustainability for a Brighter Tomorrow

Energy-Efficient Storage Solution

As the only Carbon Footprint of Products (CFP) certified storage brand, Hitachi Vantara solutions drive down your CO2 emissions while also reducing your costs. The VSP One platform's architecture is optimized to consume less power while ensuring peak performance for enterprise workloads. This helps reduce the carbon footprint of the data centers and organizations using the technology.



Sustainable Computing

Cisco UCS X-Series has earned the 2023 SEAL Sustainable Product Award, which honors products that are “purpose-built” for a sustainable future. As a modular blade computing system that can be upgraded and reused, the UCS X-Series can drive 50% lower consumption of raw materials than traditional rack servers over three generations.

Storage Reduction With Advanced Data Efficiency

VSP One uses built-in data reduction technologies deduplication and compression, which decrease the amount of physical storage required. This approach translates into less energy needed to power and cool your system, contributing to both resource efficiency and cost savings.

Implementing a hybrid cloud solution using Hitachi infrastructure combined with Red Hat OpenShift Container Platform offers several compelling advantages. It creates a powerful environment that balances performance, security, scalability and cost-effectiveness. It offers a unified management platform, allows for operational agility, ensures regulatory compliance and prepares businesses for future technological advances — all while providing a reliable, high-performance foundation for containerized workloads.

Find out more about the high-performance hybrid cloud solution.

[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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