

# Hitachi Unified Compute Platform RS Series: Your Best Choice for Hybrid Cloud Operations

## CHECKLIST

Hitachi Unified Compute Platform RS (UCP RS) series accelerates your move to hybrid cloud by delivering a turnkey, fully integrated rack-scale solution. This pretested software-defined data center stack (SDDC) is VMware Cloud Foundation certified.

## 11 Reasons Why Hitachi UCP RS is Your Best Choice for Intelligent Cloud Operations

1

### Enterprise-Grade System for Mixed Workloads

This rack-scale UCP RS solution combines the hyperconverged Hitachi UCP HC system, based on industry-leading VMware vSAN, with NSX network virtualization (SDN) and SDDC management software.

**Benefit: Deliver a turnkey integrated SDDC solution for enterprise applications.**

2

### Zero Integration Cloud Infrastructure

Integrated and pretested, this turnkey SDDC solution is ready to be deployed much more quickly than traditional IT services. The entire SDDC stack, including nodes, racks and cables are delivered at an organization's premises for faster delivery of IT services.

**Benefit: Deploy in less than 24 hours instead of the weeks and months required by traditional IT modes of delivery.**

3

### Simplified Deployment, Configuration and Provisioning

The SDDC manager automates the installation and configuration of the entire unified SDDC stack, which consists of nodes, racks, spine-leaf switches and management switches. UCP RS introduces new resource abstraction and workload domains for creating logical pools across compute, storage and networking.

**Benefit: Dramatically reduce manual effort required and fast-track the availability of IT infrastructure for private or hybrid cloud.**

# 4

## Irresistible Total Cost of Ownership

Achieve significant cost savings with a hyperconverged system that natively integrates compute, storage, network virtualization and management software. Results include better resource utilization and automated deployment, provisioning and management with the SDDC manager.

**Benefit: Improve both operations and the operational expenses of your private cloud.**

# 5

## Unparalleled Scale

Realize the full benefits of SDDC. Begin with only eight nodes (including four for management software), and scale up to 256 nodes across eight racks. Achieve the performance and capacity required to serve the technology needs of large corporations.

**Benefit: Add capacity and performance in increments as small as one node within a rack or as big as multiple racks to better align IT spend with business needs.**

# 6

## Intelligent Operations

Manage and monitor your physical and virtual infrastructures with deep visibility into their status for efficient resource planning and predictive analytics. Administer it all via the unified management software.

**Benefit: Better monitoring and visibility translate into more efficient IT operations and management.**

# 7

## Automated Life-Cycle Management

The SDDC manager and Hitachi Unified Compute Platform Advisor (UCP Advisor) nondisruptively automate the upgrades and patching of physical and virtual infrastructure. They free IT resources to focus on other important initiatives.

**Benefit: Apply life-cycle management to the entire UCP RS cloud infrastructure or to specific workload domains without impacting live virtual machines (VMs).**

# 8

## Iron-Clad Security

Safeguard your business against security breaches with NSX microsegmentation. Deploy modern security for effective prevention against persistent threats and coordinated attacks, including ransomware.

**Benefit: Once securities policies are defined, they stay with the workloads, regardless of actual physical deployment in the network.**

# 9 Multicloud Flexibility

Flexibility to run your workload from your on-premises private cloud or public cloud helps to improve market responsiveness.

**Benefit: Leverage the scalability of the public cloud while maintaining control over your data.**

# 10 Resource Elasticity and Multitenancy

Scalable architecture lets you match business requirements with available resources. Flexibly provision subsets of infrastructure for specific workgroups or use cases. Build workload domains, consisting of logical resource pools across compute, storage and networking, at scale with multitenant isolation and security.

**Benefit: Align virtual data center with business needs by expanding or reducing logical pools across compute, storage and network resources.**

# 11 Single Vendor Support, 24/7

Hitachi provides world-class customer services for the entire SDDC stack, from individual components to the entire solution.

**Benefit: Count on all-in-one support for hardware and software, and a vast pool of VMware experts for any operational troubleshooting.**



**For more information on why Hitachi UCP RS series systems are the best choice for intelligent cloud operations, visit our [converged infrastructure solution webpages](#).**



## HDS at a Glance

Digital transformation improves enterprises' cost-efficiency, time to market, customer experience, and revenue through better data management. Hitachi Data Systems uses data to power the digital enterprise.

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