

DATASHEET

Create Better Business Experiences and New Revenue Opportunities With Cisco and Hitachi Adaptive Solutions for Converged Infrastructure (CI)

Cisco and Hitachi Adaptive Solutions for Converged Infrastructure helps you to prepare your business for the future at cloud scale: It leverages a data-driven foundation that delivers agility, performance, and reliability, backed by industry leadership.

Future-Proof Your Data Infrastructure for Outcomes That Matter

Cisco and Hitachi Adaptive Solutions for Converged Infrastructure (CI) is a prevalidated, tested and rapidly deployable reference architecture (RA). Its data-driven foundation supports a broad range of technologies and workloads. Combined with continuous innovations, it positions organizations to deliver better customer experiences and tap into new revenue streams.

Data-Driven Foundation

Adaptive Solutions for CI prepares businesses to rapidly adopt new technologies, such as IoT, AI, machine learning and analytics by adopting a data-driven foundation. By orchestrating efficiencies across the data path, customers future-proof their data infrastructure and unlock the full value of their data for timely decision-making.

Continuous Innovations

Adaptive Solutions for CI combines the most agile, performant, scalable, reliable and respected storage, compute and networking components in the industry with intelligent management and automation software from Hitachi Vantara, Cisco and VMware (see Figure 1). Hitachi Virtual Storage Platform (VSP) offers an unmatched 100% data availability guarantee. Users of Cisco UCS solutions experienced an 80% reduction in provisioning times, according to a recent ESG report.

Industry Leadership

Hitachi Vantara and Cisco combine two decades of innovation, enabling global customers to stay profitable and outperform their competition. Customers predisposed to Cisco and VMware innovations are assured that their investments are protected. Both companies are recognized as leaders by industry analysts and trusted by the largest enterprise customers. Hitachi's VSP storage arrays are trusted by 80% of Fortune 100 customers and more than 56,000 global customers invest in Cisco UCS servers.

Open Architecture

A highly configurable integrated infrastructure that is API-enabled and extensible, Adaptive Solutions for CI combines Hitachi's flagship VSP storage arrays, including the newly released VSP E990 and the VSP 5000 series, Cisco UCS blade servers and Cisco Nexus and MDS switches (see Table 1). This tested, validated and documented architecture is designed to ensure highest levels of availability and system reliability, ensuring a better end-customer experience.

AI-Enabled Smart Operations

Day-to-day management is performed through VMware vSphere, vCenter plugins and element managers for optimized configuration and management of the entire CI stack. AI-enabled intelligent orchestration simplifies deployment and operations via Hitachi Ops Center



Figure 1. Cisco and Hitachi Adaptive Solutions for Converged Infrastructure

Automator, ensuring a 70% reduction in storage management tasks. And Cisco UCS IT staff reaped a 75% increase in efficiencies by moving to a UCS environment, according to the same ESG report.

Better ROI

The ESG report further states that Cisco UCS customers experienced a 22% lower expected TCO. Customers leveraging

Hitachi's VSP 5000 series reap a 4:1 effective data capacity and are further backed by eight-nines availability, which ensures that access to data is always on. More importantly, the solution is supported seamlessly by world-class support organizations from both companies.

By future-proofing their IT platforms with innovative technologies, growth-oriented and large organizations offer better customer experiences and drive new revenue streams, improving their overall profitability.

For more information on the joint reference architectures, [click here](#).



Compute	<ul style="list-style-type: none"> • Cisco UCS 5108 Blade Chassis <ul style="list-style-type: none"> • B200 (2 CPU) M5, M6 Blades (up to 8 per chassis) • B480 (4 CPU) M5, M6 Blades (up to 4 per chassis) • Cisco 9108 Chassis <ul style="list-style-type: none"> • X210c (2 CPU) M6, M7 Blades (up to 8 per chassis) • X440p PCIe blade (to Hold GPUs etc..) • X410c (4 CPU) M7 Blades (up to 4 per chassis)
Storage	<ul style="list-style-type: none"> • Hitachi Virtual Storage Platform (VSP) 5000 Series and VSP E590, E790 and E1090 • VSP F Series All-Flash Arrays: VSP F1500, VSP F900, VSP F800, VSP F700, VSP F370, VSP F350 • VSP G Series Hybrid-Flash Arrays: VSP G1500, VSP G900, VSP G800, VSP G700, VSP G370, VSP G350
Management Software	<ul style="list-style-type: none"> • Cisco UCS Manager (compute) • Cisco Intersight (compute, Network, Storage) • Cisco Data Center Network Management Software (network) • Hitachi Ops Center (portfolio: storage and data protection) • Hitachi Storage Connector for Cisco UCS Director (storage) <p>VMware vSphere, vCenter 8.x, 7.x and 6.x Plug-ins for</p> <ul style="list-style-type: none"> • Hitachi Unified Compute Platform Advisor (storage provisioning) • Hitachi Storage for vCenter (storage provisioning) • Cisco UCS Manager (compute) • Cisco ACI (network)
Network	<ul style="list-style-type: none"> • Cisco Fabric Interconnect: UCS 6436, 6454, 6332 • Cisco Ethernet Networking: Nexus 9000 Series • Cisco Fibre Channel SAN: MDS 9700 Multilayer Directors and MDS 9300, 9200, and 9100 Fabric Switches

Table 1. Cisco and Hitachi adaptive solutions for converged infrastructure specifications

ABOUT HITACHI VANTARA

Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn how Hitachi Vantara turns businesses from data-rich to data-driven through agile digital processes, products, and experiences, visit hitachivantara.com.

Learn More →

Learn more about future-proofing your data infrastructure in this video.



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

