

Hitachi Unified Compute Platform 4000 with Hitachi Unified Compute Platform Director enables fast, easy deployment of converged infrastructure with agility, reliability and performance.

DATASHEET

Hitachi Unified Compute Platform 4000: Make Your Most Demanding Enterprise-Class Applications Available 24/7

Hitachi Unified Compute Platform 4000 (UCP 4000) is the foundation for business transformation and IT modernization that can host any application, at any scale, at any location. It includes Hitachi Unified Compute Platform Director (UCP Director) software, which is natively integrated with Microsoft® System Center or VMware vCenter to centralize and automate the management of your server, storage and networking components (see Figure 1). With UCP Director, you can monitor and allocate virtual resources rapidly and efficiently across a single or multiple data centers.

- UCP 4000 offers these capabilities in an agile, resilient and scalable converged infrastructure. Up to eight UCP 4000 systems can be configured in VMware environments to build very-large-scale virtualized environments, with UCP Director as its orchestration layer, dramatically reducing the number of vCenter licenses required.
- UCP 4000 can meet true zero recovery time and recovery point (RTO/RPO) service level objectives with global-active device support via UCP Director.

Unified Compute Platform 4000 Capabilities

Scalable, Prevalidated Solution

Hitachi Unified Compute Platform 4000 leverages Hitachi best-in-class hardware and software technology for maximum performance and utilization. A single

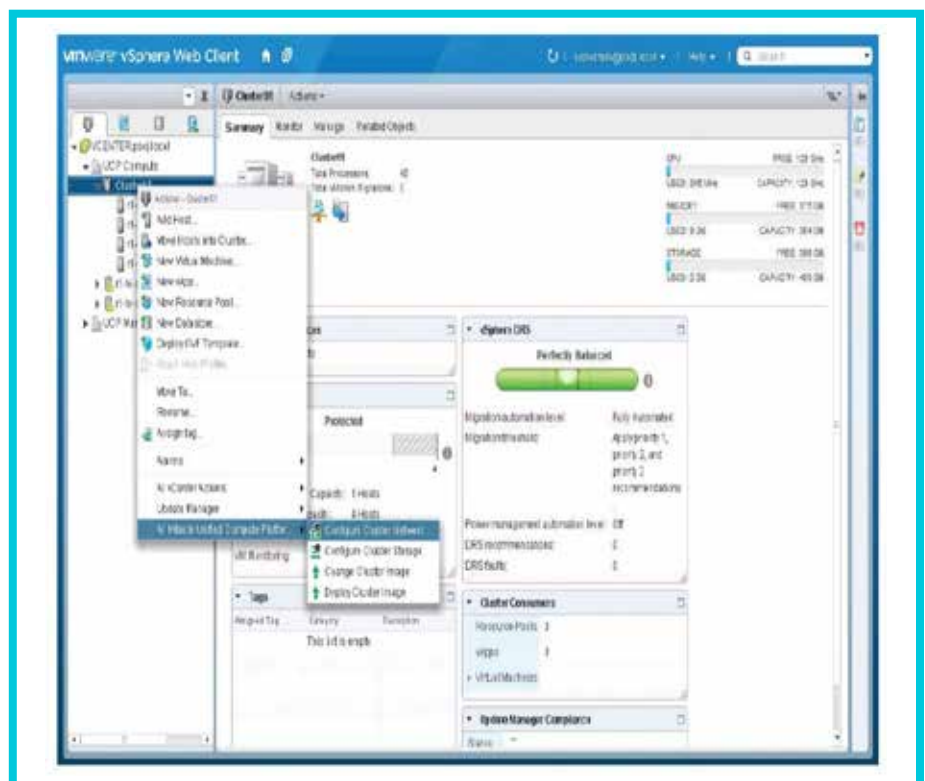


Figure 1. Unified Compute Platform Director is natively integrated with VMware vCenter or Microsoft System Center, which allows you to manage virtual and physical infrastructure from a single interface.

management interface allows you to provision faster and monitor the system easily across the entire enterprise.

Key Platform Features

- Preconfigured VLANs, server clusters and storage pools.

- Solutions are configured optimized and tested at the factory.
- Supports a wide range of current and existing Hitachi storage systems.
- True business continuity across multiple locations with global-active device.
- Servers can be flexibly configured to meet a wide range of workload needs.

- Hitachi Unified Compute Platform Director enables rapid provisioning and scaling of multiple physical hosts and virtual machines.
- Native integration with either Microsoft System Center or VMware vCenter.
- Provides resilience and scalability with a wide choice of industry-leading infrastructure components:
 - 2 to 128 high-density Hitachi Compute Blade 500 Intel-based blade servers.
 - Hitachi Virtual Storage Platform (VSP) G400, VSP G600 and VSP G800 with NAS modules, as well as VSP G1000 and VSP G1500.
 - VSP F400, VSP F600 and VSP F800 with NAS modules, as well as Hitachi's all-flash VSP F1500.
 - IP and Fibre Channel switching from industry leaders Brocade and Cisco.

Hitachi Unified Compute Platform Director

Hitachi Unified Compute Platform Director monitors all of the elements of a UCP solution under a single view that shows overall system health. Early alerts indicate possible impending device failures and minimize system downtime by prompting proactive maintenance. The single management view also saves time and money, as it minimizes the challenges of over-seeing complex infrastructures.

With Unified Compute Platform Director, you can:

- Automate and orchestrate essential infrastructure components as unified pools of business resources directly from Microsoft System Center or VMware vCenter.
- Provision virtualized Microsoft Hyper-V®, VMware vSphere, or bare-metal Microsoft Windows® or Linux images with predefined service profiles and server templates.
- Improve troubleshooting with integrated physical and virtual infrastructure monitors and alerts.

UCP for
Microsoft
Private
Cloud

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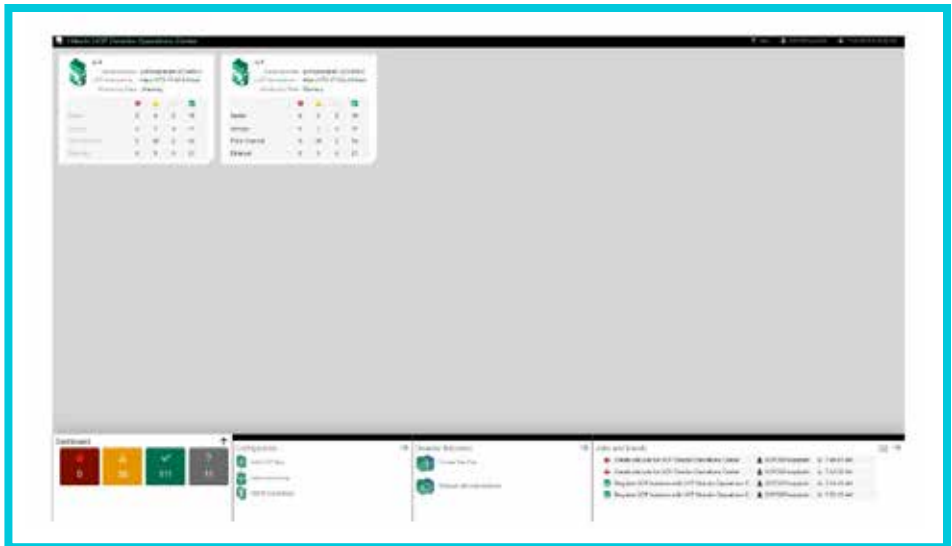


Figure 2. Unified Compute Platform Director and Global-Active Device for UCP 4000

HITACHI UNIFIED COMPUTE PLATFORM 4000: INFRASTRUCTURE OVERVIEW*

Compute	<ul style="list-style-type: none"> ■ Hitachi Compute Blade 500. <ul style="list-style-type: none"> ■ Flexibility with 2-8 blades per chassis. ■ Scales up to 64 or 128 blades.
Storage Options	<ul style="list-style-type: none"> ■ Hitachi Virtual Storage Platform (VSP) systems: <ul style="list-style-type: none"> ■ VSP G1500 and VSP G1000. ■ VSP G400, VSP G600 and VSP G800 (including NAS modules.) ■ All-flash VSP F1500. ■ VSP F400, VSP F600 and VSP F800 (including NAS modules). ■ Other vendor storage virtualized through VSP family.
Software	<ul style="list-style-type: none"> ■ Hitachi Unified Compute Platform Director v4.2. ■ For VMware vSphere: <ul style="list-style-type: none"> ■ VMware vCenter. ■ VMware vSphere 6.0. ■ For Microsoft® Hyper-V® <ul style="list-style-type: none"> ■ Microsoft System Center 2012 R2*. ■ Microsoft Hyper-V.
Network	<ul style="list-style-type: none"> ■ Brocade or Cisco Ethernet networking components. ■ Brocade Fibre Channel SAN components.

*Partial list of components.

- Meet strict zero RTO/RPO service level objectives for true business continuity across multiple sites or UCP 4000s via global-active device.

UCP for
VMware
vSphere

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Summary

Hitachi Unified Compute Platform 4000 delivers the enterprise scale, efficiency and agility required by the modern IT data center. It improves your time to production and supports your business needs today, while establishing a flexible foundation for the future.

Hitachi Data Systems

Corporate Headquarters
2845 Lafayette Street
Santa Clara, CA 95050-2639 USA
www.HDS.com | community.HDS.com

Regional Contact Information
Americas: +1 866 374 5822 or info@hds.com
Europe, Middle East and Africa: +44 (0) 1753 618000 or info.emea@hds.com
Asia Pacific: +852 31897900 or hds.marketing.apac@hds.com



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