To realize the most value from your converged and cloud infrastructure investments, consider Hitachi Unified Compute Platform Director. This powerful single-point-of-management tool offers end-to-end visibility to the entire converged virtualization infrastructure. It manages Hitachi Unified Compute Platform (UCP) for VMware vSphere, providing a unified view of resources from a single pane of glass.

Hitachi Unified Compute Platform Director: Automate Your VMware Cloud Infrastructure More Efficiently

Hitachi Unified Compute Platform Director delivers unmatched visibility and management capability so you can align IT with business processes using familiar tools. Unified Compute Platform Director monitors, provisions and protects all the elements of UCP for VMware vSphere using a single view. It provides an overall health status of all solution elements, enables provisioning of hosts, storage and networking resources to address fluctuating demands, and easily and securely protects the converged system. It minimizes system downtime by directing proactive maintenance and provides an early indication of impending device failures. This innovative approach further reduces the complexity and maintenance challenges associated with disjointed and inefficient management of underlying infrastructures, saving time and money.

Unified Compute Platform Director Capabilities

Simplify Inventory and Provisioning
Gain a single, centralized point of administration and comprehensive management.

- All UCP hardware and software elements are exposed as objects.
- Gain end-to-end visibility to the entire converged infrastructure.
- Simplify provisioning of hosts, storage and networks through 1-step deployment.

Operate More Efficiently
Deliver seamless integration with VMware vCenter and vC vRealize Operations, to appear as an integrated application.

- Proactively manage the data center and intelligently anticipate fluctuating workloads.
- Grow a converged data center environment while freeing up IT resources.

Monitor With Full Visibility
Monitor element performance, compare current trends to historical data, and set thresholds and alerts.

- Monitor performance and trends using graphs and other tools to show trends.
- Set alerts and critical thresholds to trigger alarms based on their data center usage.
- Automatically remediate actions based on alerts or other conditions.

Protect Data
Consolidate the task of monitoring multiple UCP installations into a single user interface.

- Set user roles and privileges for managing access to storage, servers and networks.
- Easily configure disaster recovery per requirements.
- Quickly add and remove protected virtual machines from the configuration.

Virtual and Physical End-to-End Orchestration
Manual inventory and provisioning inefficient and error-prone tasks often require negotiation between infrastructure element teams (server, storage and network). Unified Compute Platform Director frees up IT resources by providing 1-step provisioning and deployment (see Figure 1).

Predefined server provisioning allows quick and error-free deployment of new services. Provision both ESXi and bare-metal Microsoft® Windows® or Linux images.

Inspect and Monitor Elements
Inspecting an element with Unified Compute Platform Director is easy, enabling you to perform root-cause analysis with just a few clicks.

- Web client integration is available through both VMware vCenter Web Client and thick client, as well as Hitachi Command Suite.
- Inventory any element and inspect its health; drill down on elements for topology, performance and other information.
Achieve Deep Data Protection

Unified Compute Platform Director is an error-free solution for user roles and data federation. With its operations center, administrators can manage multiple UCP servers from a single pane of glass, and it serves as the foundation for disaster recovery planning.

- Generate graphs for each performance counter to show trends over the past day, week, month or year to allow application users to identify any spikes or irregularities in the element.
- Providing user privileges is simple. From within vCenter, you can quickly set user roles and privileges for managing access to the data center ecosystem.
- Consolidate the task of monitoring multiple UCP installations into a single user interface.
- Easily configure Hitachi Universal Replicator or Hitachi TrueCopy remote replication between 2 or more UCP instances.
- The optional data center disaster recovery add-on works with VMware Site Recovery Manager to provide a best-in-class disaster recovery solution.

Summary

To help organizations overcome the challenges of managing converged data centers and cloud infrastructures, Hitachi delivers an end-to-end management tool optimized to meet the needs of VMware environments. By providing a single software-defined view of the data center, Hitachi management solutions help you gain the full value of your virtualization investment.

These benefits include improvements in organizational agility, predictable reliability, delivery of IT resources that match business requirements, and subscription-based consumption.

Hitachi Unified Compute Platform Director automates and orchestrates the administration and task workflows required to support the full suite of Hitachi Unified Compute Platform for VMware vSphere features. Simplifying inventory and provisioning tasks, operations, monitoring and data protection are all reasons why Unified Compute Platform Director is the optimal solution for your VMware deployment. Gain peace of mind that you can deploy and support a converged data center from 1 centralized management tool, while lowering both capital and operating expenditures.