

Simplify your compute infrastructure provisioning, monitoring, configuration and management experience with Hitachi Compute Systems Manager.

DATASHEET

TRANSFORM VIRTUALIZATION ECONOMICS RELIABLE TRUSTED INNOVATE INFORMATION
 IN A GLOBAL CHANGE INTELLIGENT TECHNOLOGY SERVICES VALUE INSIGHT OPERATIONAL
 OPPORTUNITY SOCIAL INFRASTRUCTURE INTEGRATE ANALYZE DISCOVER COMPETITIVE

Hitachi Compute Systems Manager

Centralized, Scalable, Simplified, Cost-Effective Server Management

IT Infrastructure Management Challenges

IT infrastructure monitoring and management today can be complicated, labor intensive and inefficient. Increasingly demanding workloads and the establishment of service level agreements and objectives place heavy demands on infrastructure managers. They need to diligently monitor their IT infrastructure health and performance levels 24/7 and be notified automatically of health or performance anomalies.

Geographically distributed teams must remotely administer complex architectures and conduct planned and unplanned maintenance while minimizing downtime and user impact. Budgetary pressures mean that management teams are routinely tasked to do more with less.

A large part of this complexity stems from the ever-increasing number of virtual servers that coexist with legacy physical servers, forming complicated server architectures, which are hard to monitor, manage and maintain.

The Solution

Hitachi Compute Systems Manager is a centralized enterprise infrastructure management application that monitors, manages and configures your Hitachi server hardware, as well as the physical and virtual hosts that compose it.

Hitachi Compute Systems Manager provides a modern, Web-based interface (see Figure 1) and agentless architecture that allows you to take full advantage of

your available computing resources and manage and monitor up to 10,000 physical or virtual servers.

Hitachi Compute Systems Manager is fully integrated within the Hitachi Command Suite centralized management console, allowing seamless management of server and storage resources with one simple interface. The integrated compute management capabilities are displayed on the dashboard to allow quick resolution of



Figure 1. Hitachi Compute Systems Manager Web-Based Interface

health or performance issues associated with Hitachi server hardware.

Advanced Plug-ins

The capabilities of Hitachi Compute Systems Manager can be enhanced with an expanding choice of optional plug-in modules.

These plug-in modules include:

Performance Gauge Plug-in for Hitachi Compute Systems Manager

Host performance levels are monitored and when predefined default or custom thresholds are exceeded, alerts are automatically generated and sent to assigned administrators. Reports can be generated either to monitor host performance in real time or to analyze trends using historical data.

Power Conductor Plug-in for Hitachi Compute Systems Manager

Server power utilization levels can be throttled to cap power at predefined default or custom levels, simplifying provisioning, reducing risk and saving on power usage costs while also benefiting the environment.

N+M Cold Standby Plug-in for Hitachi Compute Systems Manager

Impact and risk from planned or unplanned maintenance can be mitigated with the Hitachi chassis-level and blade-level cold standby technology.

Deployment Manager Plug-in for Hitachi Compute Systems Manager

System level images can be prepared, managed and deployed at scale.

Logical Partitioning Manager Plug-in for Hitachi Compute Systems Manager

Logical partitions allocate physical server resources among multiple securely isolated

FEATURE HIGHLIGHTS

End-to-End Compute Infrastructure Management

- Simply and quickly discover, monitor and manage Hitachi compute hardware, 3rd-party servers, hypervisors and virtual machines.

Hitachi Command Suite Integration

- Includes an easy-to-use and consistent graphical user interface for use throughout Hitachi Command Suite software products.
- Allows management of storage and compute infrastructure from a single pane of glass.

Optional Value-Add Plug-ins

- Optional plug-ins add advanced functionality:
 - **Power Conductor Plug-in for Hitachi Compute Systems Manager:** Monitor Hitachi Compute Blade or Hitachi Compute Rack power usage in real time or analyze historical data to conduct trend analysis and cap CPU power usage.
 - **Performance Gauge Plug-in for Hitachi Compute Systems Manager:** Complete real-time and historical host performance monitoring and analysis.
 - **N+M Cold Standby Plug-in for Hitachi Compute Systems Manager:** Protect mission-critical infrastructure with chassis- and blade-level high availability.
 - **Deployment Manager Plug-in for Hitachi Compute Systems Manager:** Create and deploy system-level images quickly and easily, at scale.
 - **Logical Partitioning Manager Plug-in for Hitachi Compute Systems Manager:** Discover, create, edit and migrate logical partitions.

partitions to maximize the efficiency and utilization of blade server hardware. Manage logical partitions easily and at scale with one centralized tool.

Business Benefits

Agility

- Provides rapid problem identification and isolation of compute infrastructure health and performance problems.
- Quickly takes snapshots, creates master operating system images, and deploys both to multiple targets, simultaneously.

Operational Excellence

- Allows single management view of both storage and compute infrastructure.
- Remotely administers servers with integrated lights-out management (LOM) interface.

Reduced Downtime

- Alerts system administrators of hardware failures or performance bottlenecks with automated alerts.
- Sets up and configures pools of standby blades that can be failed over to automatically or manually during planned or unplanned maintenance.

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