

OVERVIEW

Hitachi Ops Center

Achieving Self-Driving,
AI-Led Data Center Operations

As your enterprise workloads become more complex, you require modern infrastructure that provides a low-touch experience, rapidly resolves issues, automates manually intensive processes, and frees up staff to focus on strategic initiatives. You need a self-driving, agile, and resilient infrastructure that brings your IT organization closer to realizing autonomous operations — where your data center proactively reacts and resolves issues before they impact your business, with minimal human interaction.

Improve Speed, Efficiency and Reliability of Data Center Operations

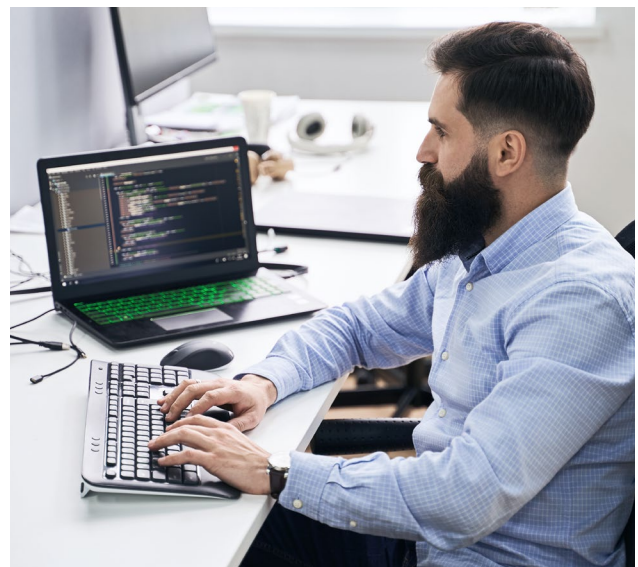
IT staffs are overwhelmed with increased management complexities that can't keep up with continued data growth and budget constraints. The result is new management challenges that prevent implementation of new technologies that are critical to keeping a competitive edge.

- **Hybrid IT environments:** More data is being stored across hybrid environments and multiple data centers, challenging IT to manage, monitor, protect, and move data seamlessly.
- **AI data explosion:** IT organizations are challenged with turning massive amounts of data into meaningful insights and actions, without burdening the staff.
- **Critical IT incidents:** Troubleshooting and diagnosing issues must happen rapidly and with minimal impact to valuable IT staff.
- **On-time resource delivery:** Enterprise workloads are now requiring resources in real time, a mandate that today's infrastructures struggle to meet.

The Foundation for Self-Driving Operations

A self-driving storage infrastructure can minimize the resources needed for daily tasks, so you can free your staff to focus on strategic initiatives. Hitachi Ops Center provides a self-driving AI-enabled management platform that transforms on-premises data resources with IT self-services to enable new hybrid (on-premises, private and near cloud) infrastructures.

- Centralized, integrated storage management platform.
- Extensive AIOps capabilities, providing on-premises and cloud-enabled telemetry monitoring.
- IT automation for rapid, self-service resource delivery.
- Nondisruptive data mobility that ensures data is always at the right place at the right time.
- Integrated data protection that ensures critical workloads are resilient and recoverable.



Achieve Self-Driving AI-Led Storage Operations

Hitachi Ops Center is an integrated management suite for Hitachi Virtual Storage Platform environments, with comprehensive administrative and operational capabilities that encompass system management, analytics, workflow automation, data mobility and protection. Ops Center provides an open API framework for seamless, easy integration with existing infrastructure management platforms.

Self-Driving Storage Foundation: Simplify Configuration Management

The common configuration management for all Virtual Storage Platforms uses an intuitive graphical user interface to streamline your system configurations, alerting and storage provisioning tasks. Hitachi Ops Center Administrator abstracts and reduces storage management complexities to enable a simplified, unified, and extensible approach to managing storage across data types.

Central management across Hitachi Virtual Storage Platform reduces the required steps to properly configure, optimize, and deploy new storage resources.

Next Level Control: Anywhere, Proactive Fleet Management

Cloud-based monitoring provides critical insights into your Virtual Storage Platform assets. With predictive analysis, Ops Center's Clear Sight user interface can rapidly find and resolve services issues before they affect your environment.

Clear Sight's unified digital experience helps IT staff keep up with monitoring and updating systems, avoids unplanned downtime, and frees up time for other activities.

Advanced AIOps for Real-Time Observability

Real-time telemetry metrics from virtual machines to shared storage resources help quicken mean time to recovery. Troubleshoot issues with an AI-heuristic engine to rapidly diagnose the root cause of problems faster and more efficiently. Forecast future capacity and performance requirements with predictive analytics to improve resource planning and budgeting.

Optimize IT service levels across the entire data path so you can take pre-emptive actions before issues can affect users.

Global Data Center Observability

Deliver essential IT operation dashboards across multiple data center environments while gaining global insights of system health and resources for Hitachi storage infrastructures. Consolidate multi-site telemetry data

analysis to enable enterprise-wide reporting, planning, and troubleshooting efforts.

Enable central, multi-data-center management reporting and control across a global enterprise.

Accelerate Automation

Enable orchestrated management operations for common and repeatable management tasks to improve efficiency and reliability. Facilitate automated storage provisioning workflows for leading business applications with predefined service templates based on best practices that can be leveraged or customized for your requirements.

Automate IT resource delivery to the business quickly and cost effectively through orchestrated management workflows.

Active Management Through Integrated Analytics and Automation

When the required action to remediate a problem has been defined, the process of manually executing the prescribed management action or configuration change can be slow and inefficient. Hitachi Ops Center integrates analytics and automation capabilities to initiate automated management workflows that streamline configuration changes or administrative actions that are required to fix the problem.

Simplify management operations through integrated analytics and automation to create a continuous feedback loop for improved IT operation efficiency.

Modern Data Protection

Automate enterprise copy data management operations that simplify the ability to achieve demanding service levels for operational recovery, business continuity, disaster recovery and data repurposing. Utilize a powerful policy engine and whiteboard-like interface to bring together a suite of host-based and automated storage-based copy technologies, to orchestrate application-consistent snapshots and clones and achieve end-to-end data protection in a single workflow.

Modern copy data management operations improve application availability, recoverability, resiliency, risk avoidance, and cost reductions.

Central Storage Management, the Foundation for AI-Driven Operations

Hitachi Ops Center enables AI-driven management operations, helping you to address the key management challenges of IT management tool sprawl, critical IT incident response, overburdened staff, and on-time resource delivery. When Ops Center portfolio products are used in combination, they can deliver an exponential increase in operational efficiency. Together, Ops Center products configure, optimize, orchestrate, protect, and quickly take action, so your automation initiatives can be achieved while reducing operational overhead and risks.

Achieving AIOps With Hitachi Ops Center Analyzer

To ensure the highest return on data center investments, you need broad insights into how IT resources are working together. Ops Center Analyzer enables end-to-end, telemetry data analysis of heterogeneous resources across the application's full data path, from hypervisors, servers and SAN switches to storage resources. When problems do arise, you can resolve issues up to four times faster with AI-assisted root cause analysis and prescriptive fault resolution.

Multi-Data-Center Observability With Viewpoint Feature

Use Ops Center Analyzer's viewpoint feature to gain new insights with its central IT operation view across multiple data centers. Create enterprise-wide views with custom dashboards for storage capacity, performance, and system health statistics across the entire data path, from virtual machines, servers, switches to Hitachi Virtual Storage Platform. Centralize analysis of telemetry data from multiple Ops Center Analyzer servers and locations, to streamline multisite reporting and troubleshooting across the enterprise.

Accelerate Storage Resource Automation With Hitachi Ops Center Automator

Analytical insights can assist in better decision-making, but someone still must execute those decisions. Ops Center Automator enables automated resource orchestration that frees up staff by automating storage provisioning and deployment operations. Automated workflows can leverage a broad range of predefined, IT service and application-specific

templates for configuring resources on the application's data path or utilize the integrated service builder to create custom management workflows. Through smart provisioning, Ops Center Automator delivers workflow orchestration that can intelligently select the right storage resources with the best performance and cost effectiveness while speeding up IT resource delivery by 70%.

Simply, Federated Storage Management With Hitachi Ops Center Administrator

To streamline system configurations, Ops Center Administrator delivers simplified and federated management capabilities for the Hitachi Virtual Storage Platform family. Ops Center Administrator enables a unified approach to managing storage across data types with a wizard-driven graphical user interface and recommended administrative best practices for storage configuration and provisioning operations.

Cyber Resiliency and Enterprise Data Protection With Hitachi Ops Center Protector

Traditional approaches to data protection can introduce the potential of downtime when performing backups and recovery, and they typically do not do enough to protect critical data. When modernizing data center operations, you must also modernize data protection and copy data management capabilities to improve application availability, resiliency, recoverability, and costs. Ops Center Protector is an enterprise copy data management software for Hitachi Virtual Storage Platform that eliminates the need for backup windows and provides near-zero recovery point and recovery time objectives (RPO, RTO).

Achieving Self-Driving Data Center Operations With Hitachi Ops Center

Hitachi Ops Center is a self-driving, AIOps-led management suite that helps to solve management challenges around time to market, speed of resource delivery and risk management. Ops Center enables you to simplify administrative complexities and daily management tasks so you can focus on strategic initiatives.

- Consolidate management tools to enable rapid IT deployments based on best practices.
- Accelerate your automated provisioning operations to reduce manual tasks.
- Monitor end-to-end service levels to optimize data path resources and resolve problems before they can affect users.
- Utilize enterprise copy data management to achieve demanding levels of operational data recovery and business continuity.

WE ARE HITACHI VANTARA

Hitachi Vantara solves digital challenges by guiding you from what's now to what's next. Our unmatched industrial and digital capabilities benefit both business and society.

Make informed decisions to achieve new IT operational efficiencies and lower costs to manage, optimize, orchestrate, and protect Hitachi infrastructures.

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For more information on how Hitachi Ops Center can help you to improve data center operations and efficiency, visit the Hitachi Ops Center web page or contact your Hitachi Vantara representative.

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