

Datasheet

Hitachi Ops Center Protector

Hitachi Ops Center Protector provides enterprise copy data management capabilities to address your secure data protection challenges. It automates and orchestrates a range of data copy and movement technologies to greatly simplify and enhance secondary data protection operations.

Deliver the Right Data Protection Service Levels

Ops Center Protector makes it easy to create policy-based, copy data management workflows that combine all of the following to meet complex data protection requirements:

- High-availability, business continuity and disaster recovery scenarios for one or multiple data-center topologies while automating storage-based, active-active, synchronous and asynchronous replication.
- Application-consistent data recovery in any location while orchestrating non-disruptive snapshots and clones. Ops Center Protector includes built-in support for Oracle, SQL server, VMware and other business applications and databases through integrated API scripting.
- Ability to automatically create, mount, refresh and expire physical or virtual data volume copies to support secondary data management functions with separate schedules for recovery point objectives (RPOs) and retention periods, in any location.
- Ability to add secondary copies to your data lake or object storage repository, in private or public clouds, making them easily accessible for data discovery, analytics, and compliance operations.
- Fast and effective cyber-resilient, data protection and recovery operations from ransomware and other malicious data security attacks.

Copy Data Management Orchestration

Ops Center Protector automates storage-accelerated, data copy technologies built into the Hitachi Virtual Storage Platform (VSP) One family with Hitachi Storage Virtualization Operating System (SVOS). These data copy technologies include Hitachi global-active device for high-availability configurations, as well as synchronous and asynchronous replication technologies for on-premises and hybrid cloud environments. Ops Center Protector delivers secure data protection orchestration for mission-critical business applications and databases.

Ops Center Protector API supported integration is included for VMware with vSphere APIs for Data Protection (VADP) plug-in for storage replication and snapshots. This approach also supports service level orchestration through tagging and connectors for VMware vRealize Orchestrator (vRO), VMware Site

Recovery Manager (SRM), and VMware Cloud on Amazon Web Services (AWS).

Ops Center Protector provides host-based backup and continuous data protection capabilities for Microsoft Windows operating systems, and host-based backup for IBM® AIX®, Oracle, and RedHat, SUSE and Oracle Linux operating systems. File system copies can be stored on heterogeneous storage and on Hitachi object based platforms and AWS Simple Storage Service (AWS S3) in their native file format making them available for e-discovery and analytics applications.

Ops Center Protector enables automated storage replication workflows using Hitachi Universal Replicator software for Hitachi software-defined-storage. Ops Center Protector orchestrates asynchronous replication of storage volumes from Hitachi VSP block appliances or software-defined-storage into the public cloud to create snapshots, that can be accessed by AWS compute nodes for DevOps testing and development activities.

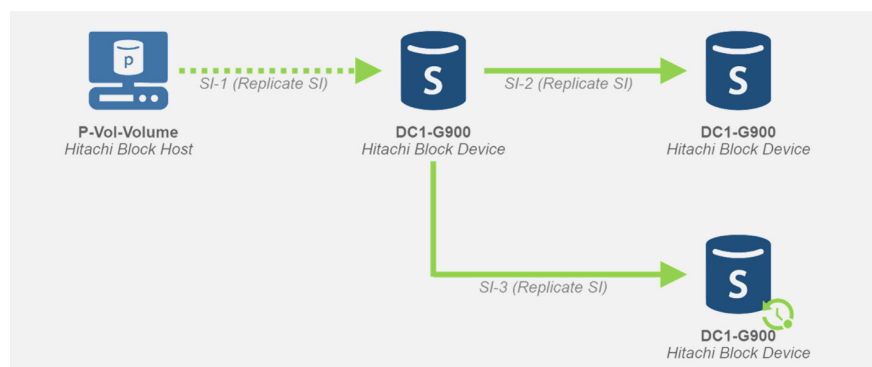


Figure 1. Hitachi Ops Center Protector makes it easy to create policy-based copy data management workflows.

Intuitive Data Protection Operations

Ops Center Protector includes an unique, whiteboard-like user interface that can make it easy to create, manage and orchestrate both basic and complex data protection workflows.

A comprehensive REST-API is available to enable integration of any or all Ops Center Protector functionality with IT management applications and service portals.

Patented, role-based access controls (RBAC) limit user access to data protection management views, actions, and resources. With scalable multitenancy capabilities, over fifty different data copy and protection attributes can be enabled for any user or user group. This role-based access control is further enhanced by a customizable user dashboard with a web-based interface. Each user will only see relevant data copy management characteristics in a presentation format that best suits their needs.

Comprehensive Ransomware Protection

Ops Center Protector can orchestrate the use of Hitachi SVOS integrated data retention utility to lock down a copy of production data to an user-defined period of time. These locked storage volumes cannot be deleted, edited, or encrypted during the set retention period and they offer stronger immutability compared to other software-based protection,

that could be overwritten. It also takes just seconds to revert to these locked data volumes to undo damage done to production data by a ransomware attack. This enables use of local immutable snapshots with faster notification and response to a ransomware attack and improved system availability in comparison to traditional distance backup solutions.

In partnership with Hitachi Vantara and VM2020, a combined solution of Hitachi Ops Center Protector and VM2020's CyberVR can provide a scalable data recovery solution to orchestrate

ransomware recovery processes for VMware environments.

This ransomware protection solution automates the provisioning of storage, hypervisor, and network resources into a protected, production-level bubble where immutable snapshots can quickly be assessed for an appropriate point of return. A protected area can be used to patch and harden systems before returning the data into an infected environment, in addition, a method is available to perform penetration testing to proactively thwart future malicious attacks.

Hitachi Ops Center Protector Benefits

- Simplify data protection and recovery operations, using the right tools for each job, but all managed from a common place. Combine local and remote data replication and protection requirements in a single policy-based workflow.
- Automate data copy creation and gain control of copy data management to support secondary data management functions. Make better use of secondary data copies to support analytics, e-discovery and auditing operations.
- Gain complimentary backup solution integration with leading enterprise backup vendors including: Commvault, Veeam and Veritas.
- Provide enterprise data protection and copy data management services that can be directly integrated into IT service portals.

Deliver modern data protection solutions to automate data copy, movement, protection and recovery for your data foundation.

About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.



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