

Hitachi Ops Center Protector is an enterprise copy data management software platform. It automates and orchestrates a range of data copy and movement technologies, to greatly enhance and simplify secondary operations.

**DATA SHEET**

## Hitachi Ops Center Protector

### Meet Diverse Service Level Objectives Using the Right Technologies

Ops Center Protector makes it easy to create policy-based copy data management workflows that combine any or all of the following to meet complex data management requirements (see Figure 1):

- High availability, business continuity and disaster recovery, across 2- and 3-data-center topologies, automating storage-based, active-active, synchronous and asynchronous replication.
- Application-consistent recovery, in any location, orchestrating nondisruptive snapshots and clones; support built in for Oracle Database and VMware; support for other databases and applications through scripting.
- Ability to automatically create, mount, refresh and expire physical or virtual copies to support secondary functions, such as development, test and marketing, with separate schedules (recovery point objectives or RPOs) and retention periods, in any location.
- Ability to add backup copies to your data lake or object storage repository, in private or public clouds, and make them easily accessible for data discovery, analytics, governance and compliance operations.
- Fast and effective recovery from ransomware and other malicious attacks.

### Orchestration of Storage-Accelerated Copies

Ops Center Protector automates and orchestrates the storage-accelerated copy technologies built into the entire Hitachi Virtual Storage Platform (VSP) family of storage arrays. These technologies include global-active device, Hitachi TrueCopy, Hitachi Universal Replicator, Hitachi Thin Image and Hitachi ShadowImage. Protector is ideal for protecting large or highly critical databases.

Layers of integration with VMware provide protection with vSphere APIs for Data Protection (VADP) and storage snapshots and replication. This approach also supports service level automation through tagging, a vCenter plug-in when using Hitachi NAS Platform, and connectors for VMware vRealize Orchestrator (vRO) and

VMware Site Recovery Manager (SRM). Protector can also be deployed with VMware Cloud on Amazon Web Services (VMC on AWS).

Protector also provides host-based backup and continuous data protection (CDP) capabilities for Microsoft Windows operating systems, and host-based backup for IBM® AIX®, Oracle Solaris, and RedHat, SUSE and Oracle Linux operating systems. File system copies can be stored on heterogeneous storage, as well as on Hitachi Content Platform (HCP) and Amazon Web Services Simple Storage Service (AWS S3). The copies stored on HCP and AWS S3 are in native file format, making them available to discovery and analytics applications, such as Hitachi Content Intelligence and Hitachi Vantara's Pentaho Data Integration.

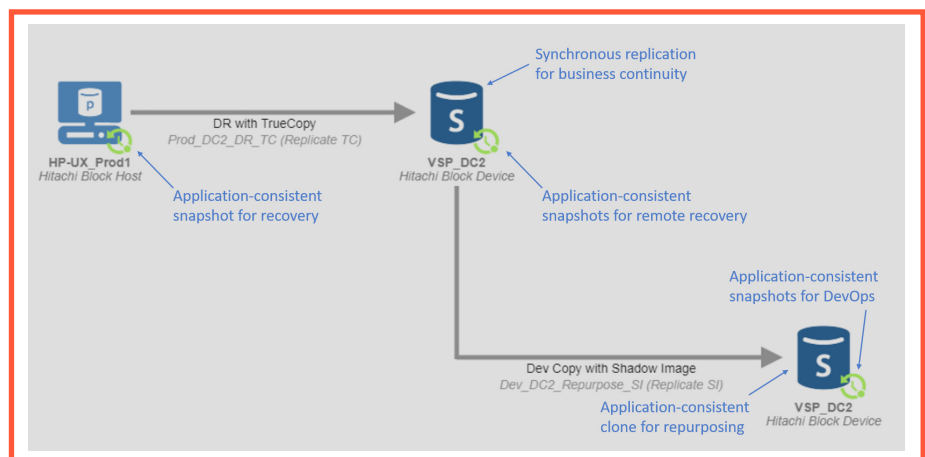


Figure 1. Hitachi Ops Center Protector makes it easy to create policy-based copy data management workflows.

## Simplified Management

Ops Center Protector includes a unique whiteboard-like user interface that makes it easy to create and manage even highly complex data management workflows.

A comprehensive RESTful API enables integration of any or all Protector functionality with applications and service portals.

Patented role-based access controls (RBAC) limit user access to views, actions and resources. Fifty different attributes can be turned on or off for any user or group of users. Each of these features, combined with highly scalable multitenancy, make Protector an excellent platform for offering managed services, such as Data Protection as a Service from Hitachi Vantara.

This role-based access is further enhanced by a highly customizable dashboard in the web-based user interface. Each user can see only the things they care about, in a presentation format that best meets their needs.

## BENEFITS OF HITACHI OPS CENTER PROTECTOR

- **For IT Professionals:** Simplify data protection and recovery operations, using the right tools for each job but managing them all in one place. Eliminate the need for backup windows. Protect data faster and more frequently. Combine local and remote requirements in a single policy-based workflow.
- **For Application and Database Administrators:** Automate copy creation and gain control of copy data management to support secondary business functions, such as DevOps, finance and marketing.
- **For Compliance and Governance:** Make use of backup data to support analysis, e-discovery and auditing operations.
- **For Service Providers:** Offer high-performance data protection and copy data management services that can be integrated directly into service portals.

## Ransomware Recovery

For data stored on Hitachi's VSP arrays, Protector can orchestrate the use of the built-in Hitachi Data Retention Utility to lock down a copy of production data for a user-defined period of time. This data cannot be deleted, edited or encrypted during the retention period, and it takes just seconds to revert this data to undo damage done to production data by ransomware and other malicious attacks.

Review [Hitachi Ops Center Protector specifications](#) to see how you can bring Protector into your environment, to automate you data copy and movement.



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We guide our customers from what's now to what's next by solving their digital challenges. Working alongside each customer, we apply our unmatched industrial and digital capabilities to their data and applications to benefit both business and society.

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