



# Hedvig OpenStorage Plugin for Veritas NetBackup

## Optimizing backup & recovery with modern storage



### REDUCE Reduce backup costs

Embrace the economics of commodity server hardware and the simplicity of software-defined storage to lower the cost of storing and managing backup data. Reduce backup storage costs by 60% or more.



### PROTECT Protect more data, faster

Deliver any type storage for your business applications. Configure persistent, block, file, and object storage. Maximum flexibility means no compromise delivery of storage to your business.



### SYSTEMIZE Store across sites and clouds

Store data securely on and offsite with built-in multi-site replication for disaster recovery. Create one to six copies of data across any number of active data centers and public clouds – all managed as a single logical backup storage system.

Protecting business data is a number one priority for today’s enterprise. Keeping pace with growing digital assets in a dynamic backup and recovery environment requires innovative solutions that cost-effectively store data, scale on-demand, shorten backup windows and provide recovery resiliency.

For Veritas NetBackup customers, the Hedvig Distributed Storage Platform and the Hedvig OST plugin accelerate backups, reduce the amount of storage required to protect data, simplify scaling, and ensure data is always available where you need it – on-site, off-site, and in the cloud.

## A modern approach to backup storage

Hedvig delivers the industry’s most complete software-defined storage providing an elastic, resilient, solution ideal for data protection and recovery operations. Utilizing industry-standard servers and disk to form a dynamically scalable disk backup target. A comprehensive suite of enterprise storage services including Veritas OpenStorage (OST) API support, inline global deduplication, compression, snapshots, clones, and replication helps you meet any protection, disaster recovery, and availability requirement.

With Hedvig, your backup storage can span two or more data centers and support public clouds, giving you the flexibility to locate data where you need it to meet the high availability, disaster recovery, and data locality requirements of your business. You can selectively choose policies to match your recovery point objectives (RPO) and recovery time objectives (RTO), eliminating the cost and complexity of managing multiple technology solutions to meet business goals.

### Hedvig Distributed Storage Platform





## ADVANCED STORAGE FEATURES

- > Veritas NetBackup OST plugin
- > DirectIO (OST), iSCSI, NFS, and object (S3, Swift) storage protocols
- > Unlimited Virtual Disk/LSU size
- > Inline global deduplication
- > Source-side deduplication
- > Compression
- > Snapshots and clones
- > Tunable replication
- > Cross rack, site, and cloud disaster recovery policies
- > Pin-to-flash
- > Client-side caching
- > Thin provisioning
- > Data auto-balancing
- > Cluster self-healing

*“The product is easy to use and it can grow with us. We just replace or add servers as we extend capacity and update the system in the future. Hedvig’s approach is more predictable.”*

- Christoffer Niemi,  
IT Architect, LKAB



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## NetBackup OST integration

The Hedvig OST plugin takes advantage of Veritas OpenStorage APIs to enable seamless integration between NetBackup media servers and the Hedvig Distributed Storage Platform. Hedvig Virtual Disks configured as Logical Storage Units (LSU) provide scalable, sharable backup-to-disk targets. The combined solution optimizes operations and performance, ensuring data is deduplicated, transferred, stored, cataloged, and ready to restore on demand.

- > Inline global deduplication—Maximize storage efficiency with deduplication of dedupe-enabled LSU disk pools across the entire cluster.
- > Source-side deduplication—Improve backup throughput and reduce the amount of data required to be sent across the network.
- > Hedvig DirectIO—Optimize backup data transfer with OST, accelerating writes by eliminating storage protocol overhead.
- > Media server load balancing—Facilitate NetBackup load balancing of backup jobs across heterogeneous media servers to shared Virtual Disks.
- > Multi-site replication—Automatically replicate data at the storage level to offsite data centers and clouds for disaster avoidance and high availability.
- > Non-disruptive upgrades—Add nodes to predictably scale capacity and performance. Refresh hardware as needed without downtime, eliminating forklift upgrades.

For a complete list of product specifications please see the Hedvig Distributed Storage Platform data sheet.

## Why Hedvig?

The Hedvig Distributed Storage Platform provides unprecedented flexibility to adapt to changing data, apps, and users. Our software is an appreciating asset that enables you to add capabilities as your needs evolve. Hedvig transforms a cluster of x86 servers into a highly flexible, cost-effective storage system. By virtualizing and aggregating server-based flash and hard drives, Hedvig provides your environment with virtually unlimited capacity, enables you to provision storage in seconds, simplifies disaster recovery, and eliminates the headaches of traditional storage operations.

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### ABOUT HEDVIG

Built by software engineers of the world’s largest distributed systems, Hedvig delivers modern storage for enterprise compute environments running at any scale. Customers such as LKAB, Scania, and GE use the Hedvig platform to transform their storage into a fundamental enabler of digital business strategies.

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