Hedvig

SOLUTION BRIEF

Software-defined storage for backup and recovery

Reduce costs, simplify scaling, and ensure availability

Data is the lifeblood of modern business. Protecting it is a number one priority for today's enterprise. The Hedvig Distributed Storage Platform integrates with your data protection software to deliver elastic backup and recovery storage that lowers costs, simplifies scaling, and ensures your data is always available where you need it – onsite, offsite, and in the cloud.

A modern approach to backup storage

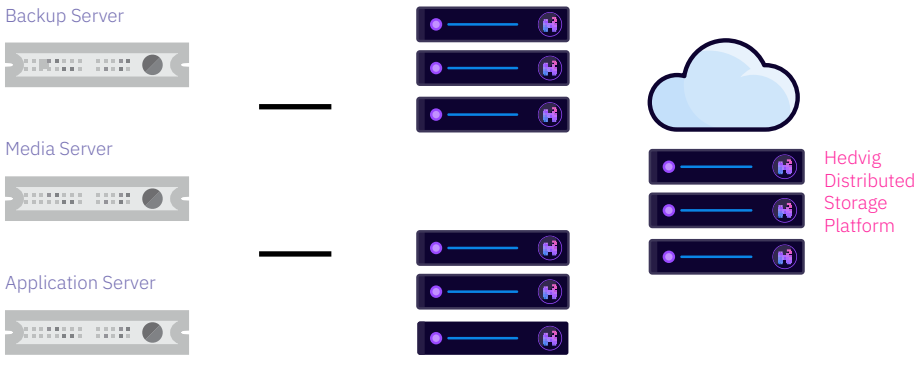
The Hedvig Distributed Storage Platform is the industry's most complete software-defined solution built to deliver elastic, resilient, storage that is ideal for data protection and recovery operations. Utilizing commodity server infrastructure and cloud instances to form a dynamically scalable, hybrid, backup storage system, Hedvig enables a scale-as-you-grow platform that helps you meet ever-shrinking backup windows and lower the cost of storing growing volumes of data.

Hedvig's comprehensive suite of enterprise storage capabilities like inline global deduplication, compression, snapshots, clones, and replication help you meet any protection, disaster recovery, and availability requirement with a single solution. You can selectively assign policies to match your recovery point objectives (RPO) and recovery time objectives (RTO), eliminating the cost and complexity of managing multiple disparate storage solutions.

With Hedvig, a single logical storage cluster can span two or more data centers and clouds giving you the flexibility to locate data copies where you need them to meet the availability and data locality requirements of your business.

Backup Applications

Veritas NetBackup & Backup Exec • Commvault Simpana
Veeam Backup & Replication • EMC NetWorker • IBM Spectrum Protect
HPE Data Protector • Arcserve UDP



SAVE
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.

SPEED
Protect more data, faster

Scale performance and capacity independently to deliver high-speed ingest rates that shorten backup windows while simplifying capacity expansion by adding additional nodes as needed. Inline global deduplication and compression reduce data footprint up to 90% or more.

REPLICATION
Store across sites & 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 cluster.

ADVANCED STORAGE FEATURES

- iSCSI, NFS, and object (S3, Swift) storage protocols
- Unlimited Virtual Disk 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

How it works

To use Hedvig you don't need to change your established backup policies. Simply configure your media servers to connect to Hedvig Virtual Disks that provide a scalable, sharable backup-to-disk target and run your regularly scheduled backups. You can keep all of your existing policies and benefit from the advantages of a commodity, scale out, hybrid cloud storage solution for protecting and archiving data.

Support for block, file, and object storage interfaces to give you maximum flexibility for integrating a Hedvig cluster with your backup software. The combined solution optimizes operations and performance, ensuring data is deduplicated, transferred, stored, cataloged, and ready to restore on demand.

Advantages of backup with Hedvig

- Customize storage to fit your service levels: Set features on a per volume basis to best fit your protection and disaster recovery requirements.
- Maximize storage efficiency: Inline global deduplication, with source-based dedupe, and compression provide highly efficient data reduction for Virtual Disks across the entire cluster.
- Deliver predictable, high-speed ingest rates: Ensure data is protected within backup windows.
- Improve RPO and RTO service levels agreements: Protect data more frequently and speed recovery to eliminate downtime and data loss.
- Protect data across sites and clouds: Automatically replicate data to offsite data centers and clouds for disaster avoidance and high availability.
- Scale seamlessly with an elastic cluster: Scale capacity on-the-fly with your choice of standard commodity servers.
- Eliminate forklift upgrades: Refresh hardware non-disruptively by adding new nodes and removing old nodes from the cluster.

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. 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.

Hedvig

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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.