

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 more data, faster

Linearly scale performance and capacity to deliver high-speed ingest rates to shorten backup windows and simplify capacity expansion. Inline global deduplication and compression reduce data footprint up to 90% or more.



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 cluster.

Backup and recovery with Hedvig and IBM Spectrum Protect

Optimizing data protection with software-defined storage

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.

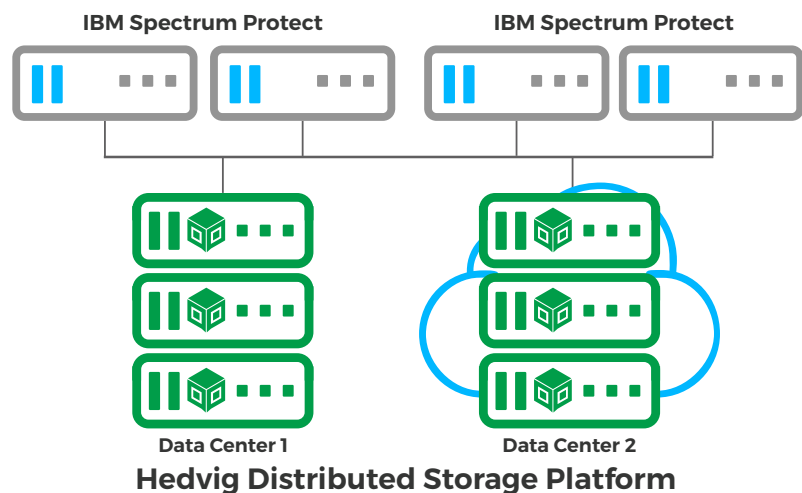
For IBM® Spectrum Protect™, formerly Tivoli Storage Manager (TSM), customers, the Hedvig Distributed Storage Platform accelerates backups, reduces the amount of storage required to protect data, simplifies scaling, and ensures data is always available where you need it – on-site, off-site, and in the 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 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.

A 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 even extending to public clouds like AWS, Azure, and Google, giving you the flexibility to locate data copies where you need them to meet the high availability and data locality requirements of your business.



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*

LEARN MORE

Hedvig and IBM Spectrum Protect

To use Hedvig you don't need to change your established backup policies. Simply configure IBM Spectrum Protect servers to connect to Hedvig 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.

IBM Spectrum Protect utilize Hedvig Virtual Disks for scalable, sharable backup-to-disk storage pools. Support for block, file, and object storage interfaces to give you maximum flexibility for integrating a Hedvig cluster with the IBM solution. 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.
- < **Inline global deduplication**—Maximize storage efficiency with deduplication of dedupe-enabled Virtual Disks across the entire cluster.
- < **Source-side deduplication**—Improve backup throughput and reduce the amount of data required to be sent across the network.
- < **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.

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 BNP Paribas CIB, DGC, LKAB, and Mazzetti use the Hedvig platform to transform their storage into a fundamental enabler of digital business strategies.

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