HEDVIG

Scale to petabytes of data

Start with a few storage nodes and scale to thousands. Easily add capacity when needed. Embrace the economics of commodity x86 servers and software-defined storage with Docker containers.

Block, file and object storage: no-compromise

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.

Seamless integration and automation

Ensure any application benefits from modern storage. Utilize Hedvig capabilities directly with Docker commands and via the Docker Universal Control Plane. Build self-service portals, custom applications and cloud integrations with a full set of storage features.

Modern Storage for Docker

Distributed, scale-out storage for containers

Today's enterprises want quickly capitalize on business opportunities and need a greater level of agility in provisioning applications and infrastructure. Docker enables organizations to develop and deploy applications faster and easier to deliver innovation and value to their customers.
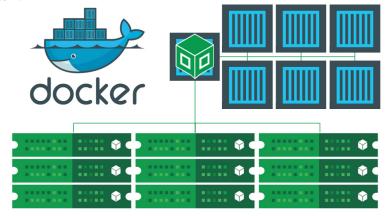
The Hedvig Distributed Storage Platform, a software-defined storage solution designed with distributed systems DNA, is a perfect fit for modern applications running in containerized environments. Hedvig transforms commodity hardware into an elastic, resilient, modern storage solution that keeps pace with changing business requirements.

Elastic storage and containers

Organizations rely on a wide range of applications and need access to a full set of storage capabilities. The scale of today's web and cloud applications add additional pressure to the storage environment.

The Hedvig solution provides unprecedented storage flexibility for Docker containers with a Docker Volume Plugin and support for Docker Datacenter, helping you meet all of your storage performance, availability, and scalability requirements with a single platform.

The Hedvig solution is fully programmable with all of its functionality accessible via REST API. IT and DevOps have at their fingertips everything required to quickly build and deploy an automated, full featured, implicitly hybrid, storage system.

Advanced Storage Features

‹ Docker Volume Plugin
‹ Docker Datacenter integration
‹ ClusterHQ Flocker integration
‹ iSCSI, NFS, and object protocols
‹ OpenStack Cinder and Swift support
‹ All-flash and hybrid storage configuration
‹ Auto-balancing and tiering
‹ Client-side SSD/PCIe caching
‹ Inline deduplication and compression
‹ Thin provisioning
‹ Tunable replication
‹ Cross rack and site disaster recovery policies
‹ Self-healing
‹ Zero-impact snapshots and clones
‹ I/O sequentialization
‹ GUI, CLI, REST API, and RPC interfaces

Business Benefits

‹ Lower TCO 50% or more
‹ Scale to massive capacity
‹ Eliminate operational headaches
‹ Lower risk of data-loss
‹ Eliminate storage downtime
‹ Never migrate data again
‹ Deliver projects on time

LEARN MORE

The Hedvig Distributed Storage Platform

The Hedvig Distributed Storage Platform provides a single, unified software-define storage platform with the capabilities you've come to rely on from enterprise storage.

‹ **The Hedvig Storage Service,** a patented distributed systems engine installs on commodity servers to deliver all of the storage options and capabilities required for an enterprise Docker deployment.

‹ **The Hedvig Storage Proxy,** a lightweight storage access layer, runs as a guest VM or Docker container to enable support for any compute environment.

The Hedvig Distributed Storage Platform provides the flexibility to scale compute and storage separately in a hyperscale configuration, as well as together in a hyperconverged solution.

Advantages of Docker with Hedvig

Simplify and automate provisioning – spin up any number of persistent virtual disks in just a few seconds. Standard storage protocol support, Docker volume API support, as well as a full set of programmable REST APIs enable seamless integration for Docker developers.

‹ **Portable, persistent storage for containers**— ensure stateful data volumes follow containers seamlessly as they migrate in the environment.

‹ **Integrate public and private clouds**—Build a unified hybrid solution to easily migrate to or from your data center and public clouds.

‹ **Set granular virtual disk policies**—assign enterprise-class features on a per volume basis to best fit your application requirements.

‹ **Grow seamlessly with an elastic cluster**—scale storage performance and capacity on-th-fly with off-the-shelf x86 and ARM servers.

‹ **Deliver predictable performance**—massive parallelism, dedicated flash, and edge cache configurations deliver consistent high-IOPS performance for demanding applications.