

Hammerspace and Cloudian

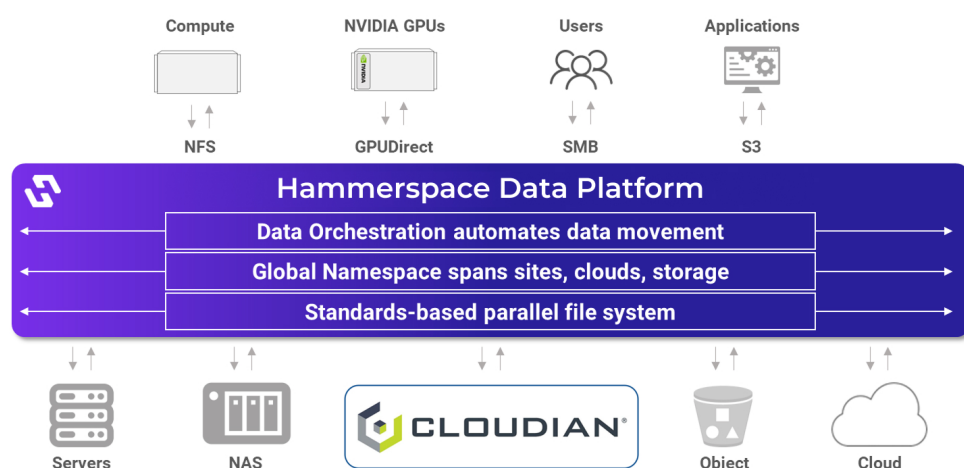
Combine Parallel File System Performance and Exabyte-Scale Object Storage in a Global Namespace that Spans Sites, Clouds, and Storage

SOLUTION BRIEF

Consolidate, Manage, and Protect Massive Unstructured Data Sets

Unstructured data is 90% of all data being generated today, and it is growing rapidly. It is massive in scale, is difficult to manage across its lifecycle which often spans edge, core, and cloud environments, and difficult to protect. Hammerspace and Cloudian offer a solution that combines the parallel file system performance and data orchestration of Hammerspace, with the Exabyte-scale and robust data protection of the Cloudian HyperStore object storage platform.

The combined solution helps to manage the relentless growth of unstructured data and unlock value in that data to drive digital transformation and enterprise AI initiatives.



Seamlessly Orchestrate Data Between Tier 0, Tier 1, and Object Storage

Hammerspace's standards-based parallel file system architecture was designed for large-scale GPU computing. It delivers HPC performance for low-latency and high-throughput applications like AI training using standard NFS connectivity. No proprietary client software. No exotic networking required. No dependencies on proprietary storage hardware.



HAMMERSPACE



CLOUDIAN

SOLUTION BENEFITS

Manage and Protect Unstructured Data At

Any Scale: Hammerspace and Cloudian combine to provide parallel file system performance and exabyte-scale object storage.

Seamlessly Tier Data Between Tier 0, Tier 1, and Object Storage:

Hammerspace Data Orchestration automates the movement of data between tiers, and across sites and clouds.

Eliminate Data Silos to Drive DX and AI initiatives:

Consolidate file and object data on a global data platform that spans sites, clouds, and storage.

Parallel File System Performance Meets Exabyte Scale Object Storage:

Hammerspace standards-based parallel file system architecture delivers HPC performance and NAS simplicity, while Cloudian delivers Exabyte-scale, secure object storage



Hammerspace can utilize storage from any NFS storage server and make those volumes part of the Hammerspace data platform. Likewise, buckets from object storage systems like Cloudian can be accessed through Hammerspace, so any data stored on Cloudian HyperStore systems can be served to users, applications and compute clusters using NFS, SMB, S3, and NVIDIA GPUDirect.

Hammerspace data orchestration policies automate the movement of data between any tier of storage within the Hammerspace global namespace, which can span tiers of storage including object storage, and also spans sites, hybrid-cloud, and multi-cloud environments.

Cloudian Delivers Exabyte-Scale, Secure, S3-Compatible Object Storage

The Cloudian HyperStore AI Data Lake provides enterprise-grade S3-compatible object storage, with on-prem data sovereignty and military-grade security features including ransomware defense with S3 Object Lock data immutability. Its limitlessly scalable, modular architecture supports diverse use cases from AI/ML training and inference workflows to real-time data analytics, data backup and regulatory compliance.

Proven in demanding environments, HyperStore delivers seamless multi-site distribution and non-disruptive expansion, allowing you to manage limitless capacity as a single unified system.

With comprehensive security certifications and the highest S3 API compatibility, HyperStore enables secure processing of massive unstructured datasets with automated data lifecycle management and protection.

About Hammerspace

Hammerspace is radically changing how unstructured data is used and preserved. Our Data Platform unifies unstructured data across edge, data centers, and clouds. It provides extreme parallel performance for AI, GPUs, and high-speed data analytics, and orchestrates data to any location and any storage system. This approach creates a unified data plane that eliminates data silos and makes data an instantly accessible resource for users, applications, and compute clusters, no matter where they are located.

About Cloudian

Cloudian simplifies enterprise storage with limitlessly scalable S3-compatible object storage solutions that enable organizations to store, protect, and manage massive data sets in on-prem and hybrid cloud environments. Trusted by Global 1000 companies worldwide, Cloudian's proven technology delivers enterprise security, bulletproof reliability, and cloud-like simplicity for modern data management challenges.

