Turn on Hybrid Cloud **in 8-minutes**

Enterprise File Data Services on Google Cloud

THE CHALLENGE

Companies with data workflows that span multiple offices or clouds across the world find it challenging to make data available with the agility, efficiency, and control necessary to stay competitive in a digitally transformed landscape. Users demand easy access to the data they need, when they need it and at the right performance, regardless of the local storage infrastructure or IT service availability. While at the same time, data must be secured, protected, and become cost-efficient. Traditional storage-centric approaches to data management cannot deliver the necessary data agility and ease-of-use across mixed infrastructure, multi-site environments.

THE SOLUTION

Hammerspace's data-centric approach allows you to serve and manage data independently from the infrastructure. Built for the hybrid multi-cloud, customers can set up their hybrid cloud data service in 8-minutes, serving data to users at high-performance across any storage on any site, or on GCP. Using standard protocols, Hammerspace abstracts data at file-level granularity from the infrastructure, making it easy to access and protect data anywhere across the hybrid multi-cloud. The global cost of data is tightly managed using global data reduction technologies to reduce capacity and leverage data virtualization to avoid unnecessary copies of data.

To serve data across the hybrid multi-cloud, Hammerspace separates the control plane (metadata) from the data plane (data) reading, writing, and moving data across sites through a Universal Global Namespace at file level granularity. Hammerspace metadata servers (Anvil) are present at each site, replicating metadata so that every site has a complete view of all data, with the assistance of machine learning-driven automation to direct resource optimization. When non-local data is accessed, Hammerspace data services (DSX) move data live to where it needs to be, even while actively being read/written. DSX data services are architected to scale-out on-demand so that performance is parallelized to meet application SLAs. Hammerspace integrates with customers' key management server (KMS) to encrypt all data stored and moved across the hybrid cloud. In Hammerspace, data is protected against the loss of infrastructure by services like snapshots, undelete, and replication.

AGILITY, CONTROL & EFFICIENCY

Users can access data from anywhere

- Easily serve file data on-demand
- Enhance collaboration with global file sharing
- Scale-out high-performance data access

Global data protection and disaster recovery

- File, application, or site granular
- Undelete / Disaster Recovery / Snapshots
- DR workflows are always up-to-date

Consolidate Infrastructure and Services

- Use mixed infrastructure across clouds
- Reduce cost with centralized backups

Available in the Google Cloud Marketplace

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AGILITY: Users Access Data from Anywhere

Through the Hammerspace Universal Global Namespace data can be shared globally to be accessed at any number of sites across on-premises, on GCP, and across availability zones, while behaving and performing like a local share. Data is visible at all locations but only copied on-demand or pro-actively by policy so that users can collaborate with peers across locations. Data can be read-write at all sites, while data protection and backups are controlled and centralized, regardless of the diverse storage infrastructure that may be available across locations. Scale-out hybrid cloud data services move and serve data at high-performance to meet application SLAs.

CONTROL: Global Data Protection and Disaster Recovery

When users access data through the Universal Global Namespace, metadata enables security and data protection services to keep data safe anywhere across the infrastructure. Data protection services like undelete, snapshots, and disaster recovery are all available globally across the infrastructure. In Hammerspace, DR is simply a policy; workflows are always current and easy to test with RPO/RTO defined by application SLA.

EFFICIENCY: Consolidate Infrastructure and Services

Hammerspace supports mixed storage infrastructure on-premises and on GCP for block, file, and object. When data is abstracted from the infrastructure, it becomes easy to consolidate storage resources, non-disruptively tier data to cloud storage, and to centralize services like backup reducing the total cost of data
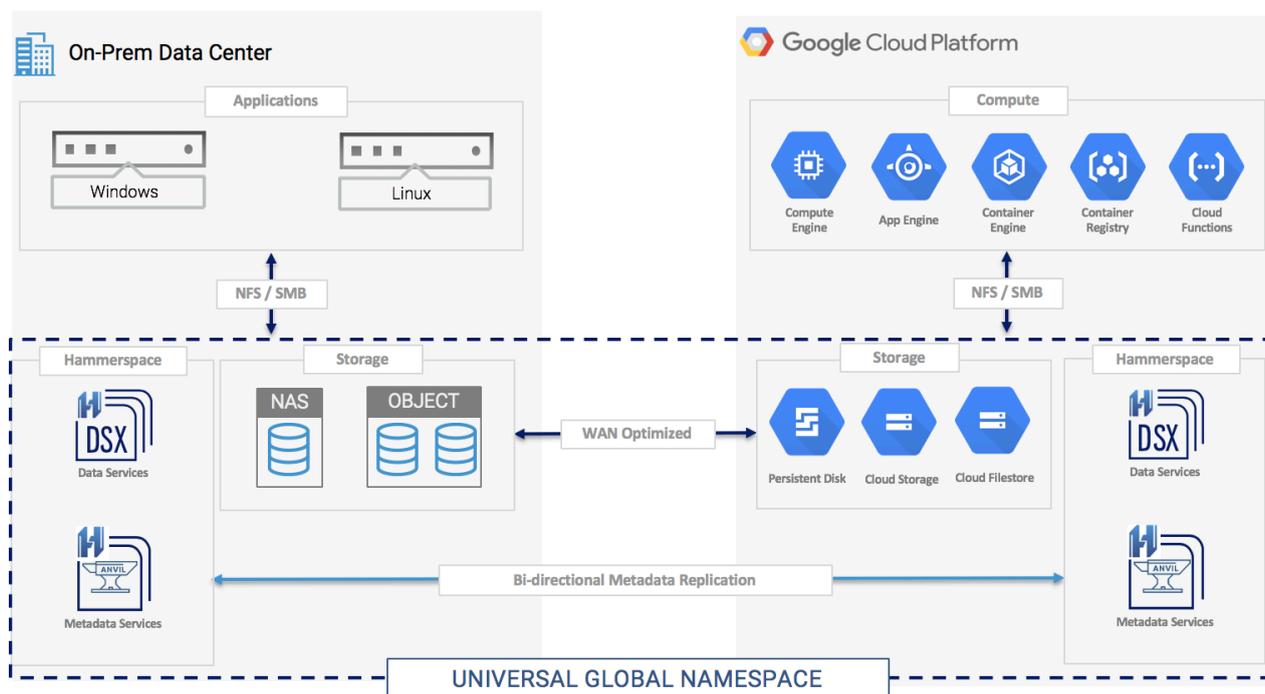
ABOUT HAMMERSPACE

Hammerspace hybrid cloud storage solves the siloed nature of the hybrid cloud – by making data agile, instantly available everywhere, and flipping the cost model of storage on its head.