Access Local Data, **Globally**

Multi-Cloud Data Sharing

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 takes a data-centric approach to file data in the cloud, serving and managing it independently from the infrastructure. Hammerspace serves data at high-performance to any site across the hybrid multi-cloud. Built for the hybrid multi-cloud, Hammerspace serves data at high-performance to any site across the hybrid multi-cloud. Hammerspace abstracts data from the infrastructure, making it easy for users to securely and safely self-service data management to find and access data anywhere across the hybrid multi-cloud.

To span data management 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) moves data live to where it needs to be, even while actively being read/written. DSX is architected to scale-out on-demand so that performance is parallelized to meet application SLAs. Hammerspace Key Management Server (KMS) integration encrypts all data stored and moved across the cloud; and data is protected by services like snapshots, undelete, and replication defends against the loss of infrastructure.

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 security

- Encryption with customer KMS
- Undelete / Disaster Recovery / Snapshots
- File, application, or site granular

Consolidate Infrastructure & Services

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

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## AGILITY: ACCESS DATA FROM ANYWHERE, AS IF IT WERE LOCAL

Through the Hammerspace Universal Global Namespace users can collaborate through global file shares that can be accessed at any number of sites across the hybrid multi-cloud, 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: SECURITY AND DATA PROTECTION

When users access data through the Universal Global Namespace, metadata enables security and data protection services to keep data safe anywhere across the infrastructure. Users can encrypt data using their own on-premises key management solutions, even as data is made available on the cloud. Data protection like undelete, snapshots, and disaster recovery are all available globally across the infrastructure. Hammerspace enterprise data services are infrastructure agnostic and file, application, or site granular.

EFFICIENCY: CONSOLIDATE INFRASTRUCTURE AND SERVICES

Hammerspace supports mixed storage infrastructure on-premises and on the cloud for block, file, and object. When the infrastructure is abstracted away with the Universal Global Namespace, 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.
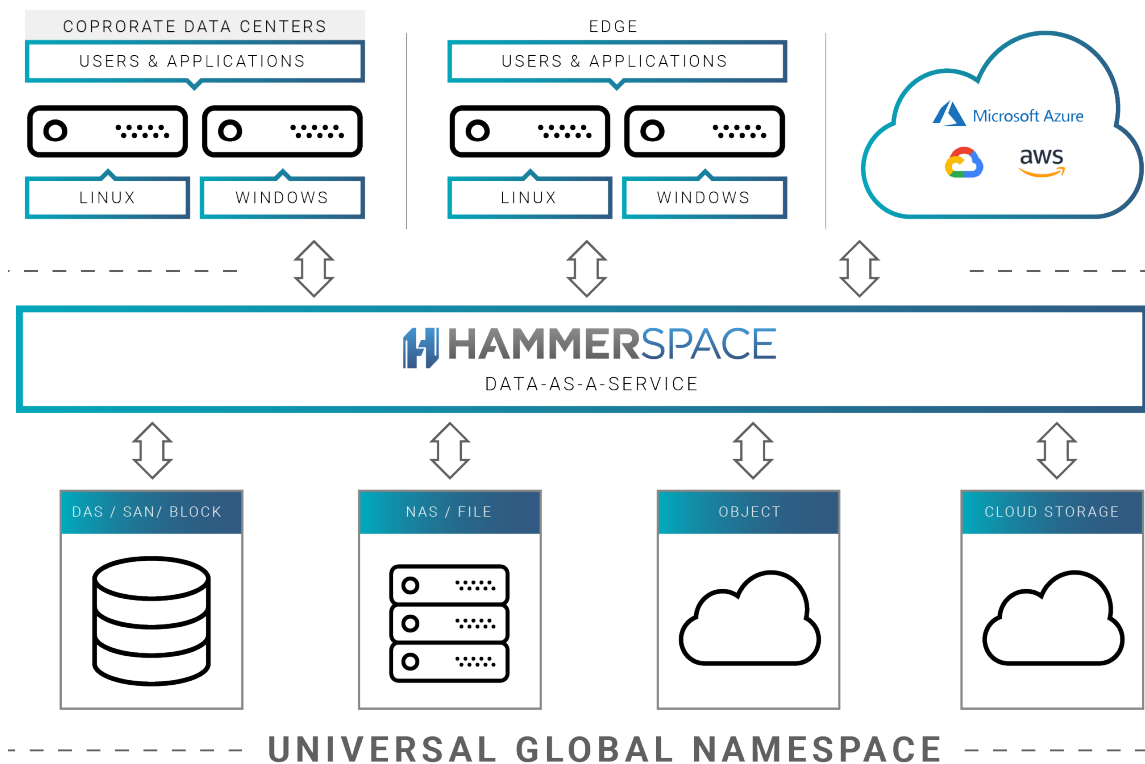
ABOUT HAMMERSPACE

Hammerspace, the Data-as-a-Service company, manages and protects data on the hybrid multi-cloud overcoming the challenges of making unstructured data cloud-native, independent of the infrastructure. With non-disruptive, autonomic data management Hammerspace reduces the complexity of embracing hybrid, multi-site, or Kubernetes workflows. To learn more, visit us at www.hammerspace.com