

Urgently Enable A Remote Workforce With VDI In The Cloud

SOLUTIONS BRIEF

Changes to the Global Workforce

Leave No Time for Downtime

THE CHALLENGE: VDI IN THE CLOUD IS THE FASTEST WAY TO CONNECT A REMOTE WORKFORCE, BUT ONLY IF THE DATA IS THERE

Deploying VDI from the cloud brings the advantages of elasticity and reduced on-premises infrastructure to deploy but comes with a disruptive and risky data migration project. When a VDI administrator unexpectedly must enable a large workforce distributed across geographies, there is little time to plan for a typical data migration. Workers need connectivity today, not in 6 weeks. Traditional storage-centric approaches to data management cannot deliver the necessary data agility and ease-of-use across mixed storage infrastructure and multi-site environments to make the move to VDI clouds easy for administrators to deploy quickly while managing risk, cost, and performance.

THE SOLUTION: A GLOBAL FILE SYSTEM THAT WORKS WITH ANY STORAGE, CONNECTING DATA TO CLOUD WITHOUT A MIGRATION

Hammerspace's data-centric approach allows you to serve and manage data independently from the infrastructure. Built for the hybrid multi-cloud, the Hammerspace global file system deploys as hybrid cloud storage to serve data at high performance from any NAS, commodity server, or cloud storage service. Using standard protocols, Hammerspace abstracts data at file-level granularity from the infrastructure, making it easy find and access data anywhere across the hybrid multi-cloud. To serve data across the hybrid cloud, Hammerspace separates the control plane (metadata) from the data plane (data) reading, writing, and moving data across sites through a global file system at file level granularity.

Hammerspace non-disruptively makes data accessible to cloud VDI solutions by assimilating data-in-place from on-premises storage systems into a universal global namespace, making data appear virtually in the cloud. This process is nearly instant as only metadata is synchronized across all sites, while service level objectives direct the live mobility of data using declarative statements about what is desired from the automated data management engine. File granular data management moves only the data necessary while WAN optimization keeps transfers between sites efficient.

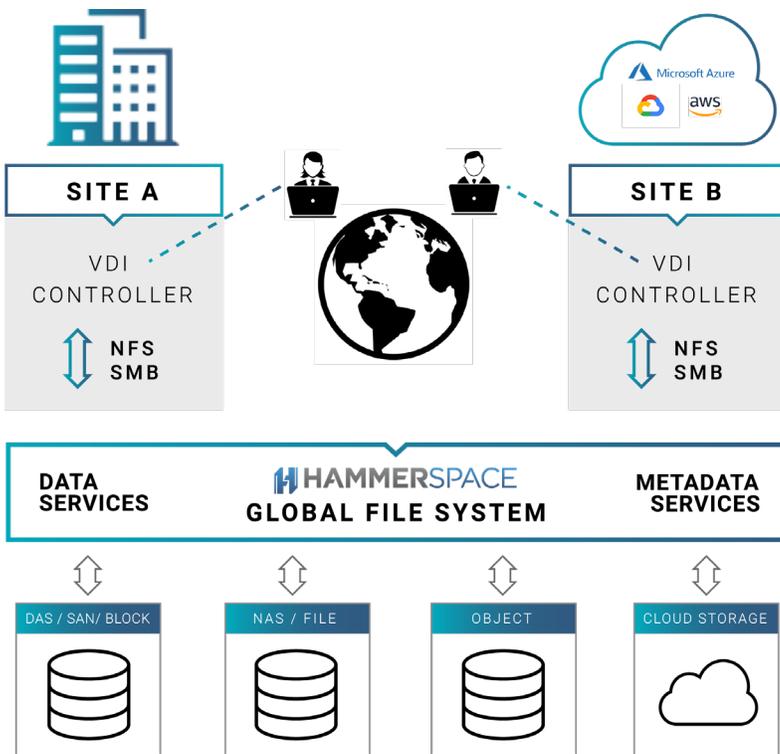
Benefits

- Enable a remote workforce 86% faster
- Serve file data anywhere with high performance
- Optimize cloud data for cost and performance
- Instant recovery with built-in disaster recovery and data protection

Key Features

- Universal global namespace
- Data-in-place assimilation
- Live data mobility
- Intelligent data tiering
- WAN optimization





ENABLE A REMOTE WORKFORCE 86%+ FASTER

Ordering and deploying additional VDI controllers for on-premises data centers can take 6 weeks or more, and with it comes fixed licensing. Moving to cloud VDI solutions offers quick deployment and elastic licensing options, but data migration planning can also take 6 weeks or more, be disruptive, and introduce risk. Hammerspace can be deployed in less than a week on existing infrastructure so that you can fully enable your geographical distributed remote workforce with no downtime or the additional risk that can come with a mismanaged data migration.

NON-DISRUPTIVELY SERVE FILE DATA ANYWHERE WITH HIGH-PERFORMANCE

The Hammerspace global file system is fully parallelized and built to scale-out using NFS and SMB protocols to serve data intensive applications and workloads. The global nature of the file system is eventually consistent and self-healing so that resynchronization can occur if on-premises VDI controllers lose

connectivity with the VDI cloud, using versioning in case of conflicts to ensure that no data is ever lost. With Hammerspace, data can be moved live while being read/written to, eliminating downtime for data migrations or tiering.

INSTANT RECOVERY WITH BUILT-IN DISASTER RECOVERY AND DATA PROTECTION

The Hammerspace universal global namespace can read and write data active-active across multiple data centers and clouds to make disaster recovery from any location nearly instant, reducing the risk and complexity of moving your data into a hybrid IT environment. Since the data is consistent between the cloud and on-premises any existing application workflows and scripts for tasks, such as backup will continue to work as expected while data from the cloud is replicated back to the original data center. Additional data protection features like replication, snapshots, and undelete can be automated by administrator or self-serviced by users from anywhere the global file system has a footprint.

OPTIMIZE CLOUD DATA COST VS. PERFORMANCE

Hammerspace uses machine learning to intelligently tier data across the available storage infrastructure. This automated data management engine optimizes data placement so that end-users always get the performance they need, while the cost of data in the cloud is kept low.

ABOUT HAMMERSPACE

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

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