

Leading Hedge Fund Modernizes Infrastructure with VAST Data



A leading hedge fund with a global presence faced challenges with its aging storage infrastructure. The firm's existing storage solution was underperforming and causing significant operational issues. With offices across Europe, Asia, and North America, the hedge fund needed a modern, scalable solution to support its diverse and evolving workloads.

Challenges

1

Legacy storage system failing to meet performance requirements

2

Lengthy resolution times for technical issues, sometimes taking months

3

Need for multi-protocol access, including NFS, SMB, and S3

4

The desire for a flexible platform to support future growth and emerging technologies

The hedge fund initiated an RFP for a data platform capable of handling NFS and SMB as primary protocols. They sought a platform that could also support S3 for all application and user file workloads across the organization.

VAST Data Solution

1

High-performance S3 platform for consolidating multiple data lakes

2

Linear scale-out capabilities for both performance and capacity

3

Built-in data reduction for improved economics and data center space savings

4

Resilient system with 99.999%+ uptime

5

Multi-protocol access to enhance pipeline workflows

6

Built-in replication for disaster recovery

7

AI / GPU-ready platform to support future initiatives

Implementation

The initial deployment consisted of clusters in Europe for production and disaster recovery. Subsequently, clusters were installed in Asia, and two more clusters are planned for North America.

Outcomes

1

Enhanced performance

Experienced 3x boost in data platform performance, enabling faster data access and processing

2

Improved data efficiency

Achieved 2-3x additional data reduction, resulting in 80% less capacity required, leading to cost savings and reduced data center footprint

3

Simplified management

Reduced administrative overhead and improved responsiveness to technical issues, leading to a 4x improvement in resource utilization

4

Future-proofing

The ability to quickly scale and adapt to new technologies, including AI and GPU workloads, positioning the hedge fund for future growth and innovation

5

Multi-protocol support

Seamless integration with existing workflows and applications, improving pipeline efficiency

6

Global namespace

Facilitating data access and management across multiple geographical locations, enhancing collaboration and data accessibility

7

Data center efficiency

Achieved a 10x reduction in data center space, significantly reducing infrastructure costs and environmental impact

8

Cost optimization

Realized significant reductions in licensing and hardware costs due to the consolidated and efficient platform

About VAST

VAST Data is the data platform software company for the AI era. Accelerating time-to-insight for workload-intensive applications, the VAST Data Platform delivers scalable performance, radically simple data management and enhanced productivity. Launched in 2019, VAST is the fastest-growing data infrastructure company in history.

Looking to simplify your data center and unlock insights from all of your data? **Contact us at** hello@vastdata.com



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Business Impact

The VAST Data Platform has transformed the hedge fund's infrastructure, allowing employees to focus on core business activities rather than infrastructure management. The improved performance, efficiency, and scalability have positioned the hedge fund to compete better in fast-paced financial markets.

The success of this implementation has opened up new possibilities for the hedge fund, including the integration of AI and machine learning capabilities into their trading strategies. By modernizing its infrastructure with VAST Data, the hedge fund has solved its immediate challenges and created an AI ready infrastructure to support AI initiatives.