Avere

High-performance File System Solutions for Hybrid Cloud Infrastructures
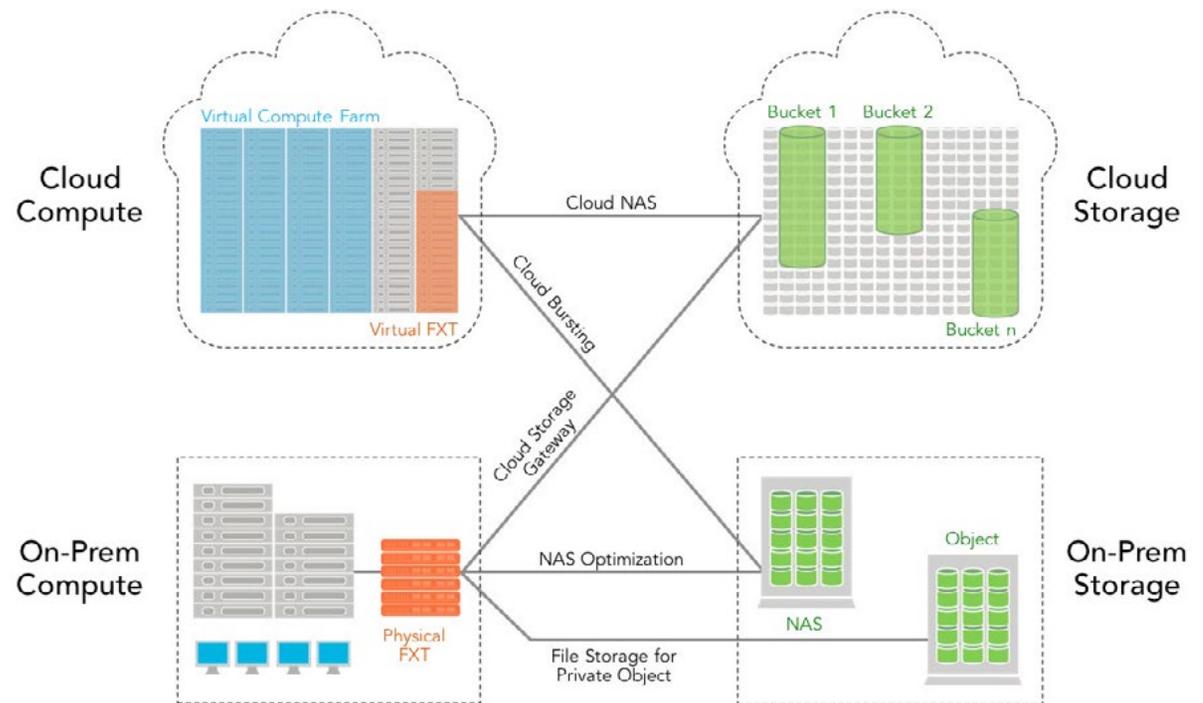
When more performance and more scalability are needed, Avere Hybrid Cloud NAS delivers.

ENTERPRISE DATA STORAGE AND MANAGEMENT IS BECOMING INCREASINGLY COMPLEX.

Amazon Web Services' (AWS) public cloud and the Avere Hybrid Cloud NAS (Network Attached Storage) platform offer a powerful solution that can help simplify, while also driving innovation with high-performance storage access and the flexibility to store data where it makes the most sense for your business. Avere is the hybrid cloud platform that provides the flexibility and agility needed by enterprises looking to integrate existing NAS architectures with Amazon Elastic Cloud Compute (Amazon EC2) and Amazon Simple Storage Service (Amazon S3) without sacrificing performance.

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AVERE IS CHANGING THE WAY STORAGE IS MANAGED.

Avere bridges AWS storage and compute cloud services, giving you the ability to strategically leverage cloud compute, storage, or both. This is done through ongoing development of file system and caching technologies that speed access to compute and storage in hybrid environments. Drop-in performance frees IT departments from buying more storage capacity for their data centers to solve performance-based issues and provide an on-ramp to the cloud. More and more large on-premises infrastructures are using Avere to create an agile architecture to eliminate roadblocks and open opportunities to more efficiently meet the needs of users and customers.

YOU GET FASTER, MORE ACCESSIBLE DATA.
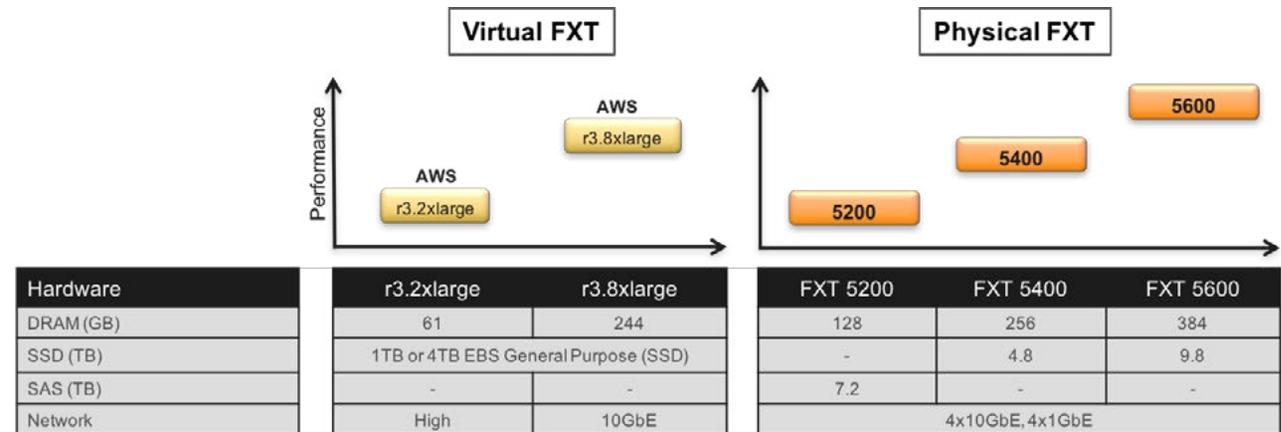
AVERE HYBRID CLOUD NAS

Avere FXT Edge filers enable seamless connectivity of storage and cloud compute silos making the management of a cloud-enabled enterprise infrastructure easy and more flexible.

This agile hybrid solution integrates existing NAS architectures with Amazon EC2 and Amazon S3 without sacrificing performance. With Avere, you can bring together the best of scale-out NAS, cloud gateways, and cloud bursting for a best-in-class NAS experience with flexibility, control, and cost-savings.

DATA WHERE AND WHEN YOU WANT IT.

AVERE VIRTUAL EDGE FILER (VFXT)

Cloud NAS is powered by the Avere Virtual Edge filer (vFXT), a software-only file system that bridges AWS storage and compute cloud services, giving you the ability to strategically leverage cloud compute, storage, or both efficiently. With the vFXT, storage can be scaled to support nearly unlimited compute resources, while keeping your data located wherever you want it.

Hardware	r3.2xlarge	r3.8xlarge	FXT 5200	FXT 5400	FXT 5600
DRAM (GB)	61	244	128	256	384
SSD (TB)	1TB or 4TB EBS General Purpose (SSD)		-	4.8	9.8
SAS (TB)	-	-	7.2	-	-
Network	High	10GbE	4x10GbE, 4x1GbE		

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AVERE HYBRID CLOUD NAS IS RELEVANT FOR NEARLY EVERY INDUSTRY

Avere FXT Edge filers have become a key component of enterprise-scale architectures for high-performance file-based storage and easy access to cloud resources in industries including financial, government, science, media and technology. These complex, large-scale operations value:

- Easy-to-use and manage cloud-ready file system that works with or without existing storage infrastructure.
- Improve the ability to make decisions more quickly by accelerating workflows and pipelines with easy access to unlimited cloud compute resources.
- Faster access to data to keep productivity high, minimizing storage latency.
- Scalability to support Petabyte-sized datasets.
- Flexibility to store data where it makes the most sense for the business.
- Improve competitiveness and customer satisfaction with the opportunity to speed workflows and pipelines with easy access to unlimited cloud compute resources.
- Cost management by reducing the dependency on traditional storage and facilitating modernization with hybrid cloud infrastructures.
- Ability to secure data using FIPS 140-2 encryption.

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AVERE HYBRID CLOUD NAS IS AGILE, SECURE AND EASY TO INTEGRATE…

With Avere, you get:

- Easy-to-use and manage cloud-ready file system that works with or without existing storage infrastructure.
- Faster access to data to keep productivity high, minimizing storage latency.
- Scalability to support Petabyte-sized datasets.
- Flexibility to store data where it makes the most sense.
- Increased competitiveness and customer satisfaction with the opportunity to speed workflows and pipelines with easy access to unlimited cloud compute resources.
- Cost management by reducing the dependency on traditional storage and facilitating modernization with hybrid cloud infrastructures.
- Enterprise security with AES-256 encryption and compliance with the Federal Information Processing Standard (FIPS) 140-2.

THE AWS AND AVERE ADVANTAGE

The Avere and AWS hybrid cloud solution gives enterprise organizations the ability to integrate and utilize their systems in a way and pace that best suits their business needs. AWS offers secure cloud services, offering compute power, database storage, content delivery, and other functionality to help businesses scale and grow. Avere allows enterprises to integrate cloud resources with existing NAS infrastructure, providing high-performance file access for computing and seamless integration of cloud and traditional storage.

Together Avere and AWS help you simplify big data storage and management while gaining performance and value from storage giving you the power to make sustainable decisions to manage the demands of unstructured data growth.