AVERE
A Microsoft® Company

Disaster Recovery and Data Migration
Avere Professional Services

Key Benefits

Disaster Recovery Services

- Advisement on configuration, operational, and recovery best practices

- Assistance in planning and executing DR activities

- Intimate knowledge of company DR objectives

- Ongoing FlashMirror training

FlashMirror

- Disaster recovery software for heterogeneous storage environments

- Replication between local and remote sites

- Data recovery at remote site in case of local outage

- Support for public cloud and NAS

Disaster Recovery

The Avere Disaster Recovery (DR) service enables creating comprehensive DR solutions using Avere FlashMirror® software. An Avere professional services engineer (PSE) with extensive knowledge of using FlashMirror in DR scenarios is assigned to lead the engagement and advise on configuration, operational, and recovery best practices. The PSE develops an intimate knowledge of company DR objectives and assists with planning and executing DR activities.

Effective use of FlashMirror software is critical for creating project-specific DR solutions. Therefore, the DR service includes ongoing FlashMirror training, including both one-on-one training with the PSE and access to a wealth of video and remote training. Because FlashMirror supports heterogeneous storage and each environment is unique, the DR service is required when using FlashMirror.

FlashMirror

Running on physical or virtual FXT clusters, Avere FlashMirror software enables building DR solutions for heterogeneous storage environments. With FlashMirror, critical data can be replicated between source and destination sites. Destination sites can be in the public cloud or remote data centers with NAS systems deployed. In the event of an outage of the local data copy, FlashMirror enables recovering data from the remote site and continuing operations.
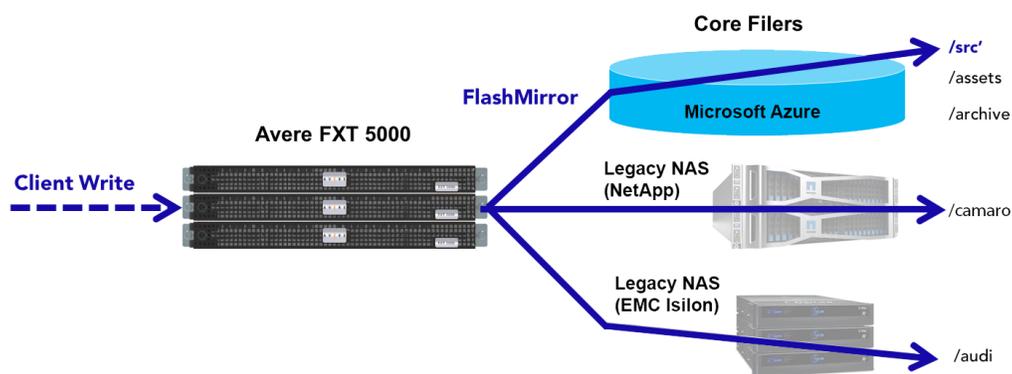

Figure 1: In software development use case, FlashMirror replicates source code to the cloud, enabling recovery should the local data become unavailable

In a typical use case shown in Figure 1, a software company uses FlashMirror to replicate critical and hard-to-reproduce source code to the public cloud. As software engineers write new files to the FXT cluster, FlashMirror replicates the data both on local NAS storage and in the public cloud. If the local NAS becomes unavailable for some reason, source code can be recovered from the public cloud and business operations continue.

Data Migration

Key Benefits

Disaster Migration Services

- Advisement on configuration and operational best practices

- Assistance in planning and executing DM activities

- Intimate knowledge of company DM objectives

- Ongoing FlashMove training

FlashMove

- Data migration software for heterogeneous storage environments

- Non-disruptive to users and applications

- Simultaneous data mobility and performance acceleration

- Data evacuation of existing storage before taking it out of service

- Data movement to new vendor or technology without disruption

- Support for public cloud and NAS

For environments where there are multiple storage systems and a need to move data between the storage systems, the Avere Data Migration (DM) service includes a PSE, an Avere expert who is deeply knowledgeable about using FlashMove® software for data migration. The PSE develops an intimate knowledge of company DM objectives. With this knowledge, the PSE advises on configuration and operational best practices and assists in planning and executing data migrations.

Providing a successful DM service requires a thorough understanding of the capabilities and use of FlashMove software. Therefore, the DM service includes ongoing FlashMove training, including both one-on-one training with the PSE and access to a wealth of video and remote training. Because FlashMove supports heterogeneous storage and each environment is unique, the DM service is required when using FlashMove.

FlashMove

Avere FlashMove software enables migrating live data in heterogeneous storage networks, including public cloud object storage and NAS. Avere physical and virtual FXT clusters create a global namespace (GNS) abstraction layer that allows FlashMove to be non-disruptive to applications and clients accessing the data. Additionally, simultaneous performance acceleration through caching is provided while the data is being moved.
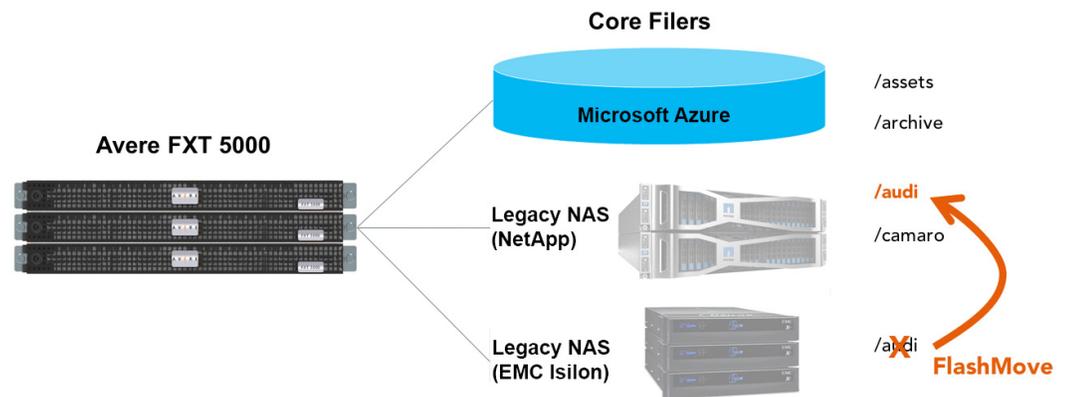

Figure 2: In an active archive use case, FlashMove migrates an old project from NAS to cost-effective storage

There are many use cases for FlashMove data migrations, including:

- Evacuating data from an existing storage system (at end of lease/useful life)
- Moving data to new preferred vendor
- Moving data to new technology or between storage resources

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