

Stuck On Ontap 7-Mode Or Other Legacy Nas? Extend Their Life, Then Migrate Non-Disruptively

Machine learning metadata engine enhances 7-mode ONTAP systems, while easing the transition to modern Clustered Data ONTAP AFF

THE CHALLENGE

Most enterprises today have invested in more than one generation of NAS technology, either from NetApp or some other vendor. These systems may not have all the features and performance of current generations, but they are working and have some life left in them so it's hard to justify the cost, risk, and general headache of migrating all that data onto a modern system, especially for data that has not been accessed for a long time.

DataSphere can help you extend the life of those legacy systems while taking advantage of the architectural benefits from clustered NAS. It also simplifies and automates data migration process to Clustered Data ONTAP when you are ready to do so.

SOLUTION OVERVIEW

Primary Data's data management platform, DataSphere, automatically and non-disruptively moves data to the right storage to meet these objectives, ensuring desired service levels are always met. DataSphere employs machine learning software to build intelligence into how an enterprise automates the management of data across its IT infrastructure, both on-premises and in the cloud. While adding awareness between applications and infrastructure, DataSphere virtualizes data and creates a global

namespace. DataSphere makes heterogeneous data stores such as NetApp's ONTAP and StorageGRID Webscale (SGWS) simultaneously available to all applications without requiring any changes to application workloads.

DataSphere can extend the useful life of NetApp ONTAP 7-Mode systems in several ways:

- Enable clustering on 7-Mode systems, allowing I/O load to be distributed across multiple storage volumes, increasing overall performance.
- Enable data to be tiered across different types of storage. This means you can add an AFF (All Flash FAS) performance tier to the 7-Mode cluster to boost performance or reclaim capacity. Or in the case of a hybrid-array, you can non-disruptively tier data between flash and disk, while automatically identifying and moving cold data off 7-Mode filers to inexpensive S3 object storage in the cloud or to StorageGRID Webscale.
- There are also benefits for virtualized environments, including making your 7-Mode filers VVOL capable, while simplifying administration with a universal VASA provider.

WITH PRIMARY DATA AND NETAPP, CUSTOMERS CAN:

- Cluster 7-mode ONTAP systems to improve performance
- Tier data, non-disruptively, from flash to disk to cloud
- Automate data migration and decommissioning, non-disruptively
- Add VMware VVol support to 7-mode ONTAP systems

SOLUTION COMPONENTS

NetApp Products

- NetApp® ONTAP
- NetApp StorageGRID
- Webscale storage appliance with E-Series storage hardware

Primary Data Products

- DataSphere – Machine learning metadata engine (Enterprise or LOB)
- DataSphere Extended Services – Data mover

Automated Data Migration

Automated data management makes data migration is easy, non-disruptive, and automatic. By including your 7-mode and other legacy NAS systems in the same global namespace as modern clustered Data ONTAP filers, you can configure DataSphere to gracefully decommission end-of-life systems on your terms and with no downtime. Data moves predictably and safely, reducing the need for painful migration planning exercises. (Figure 1)

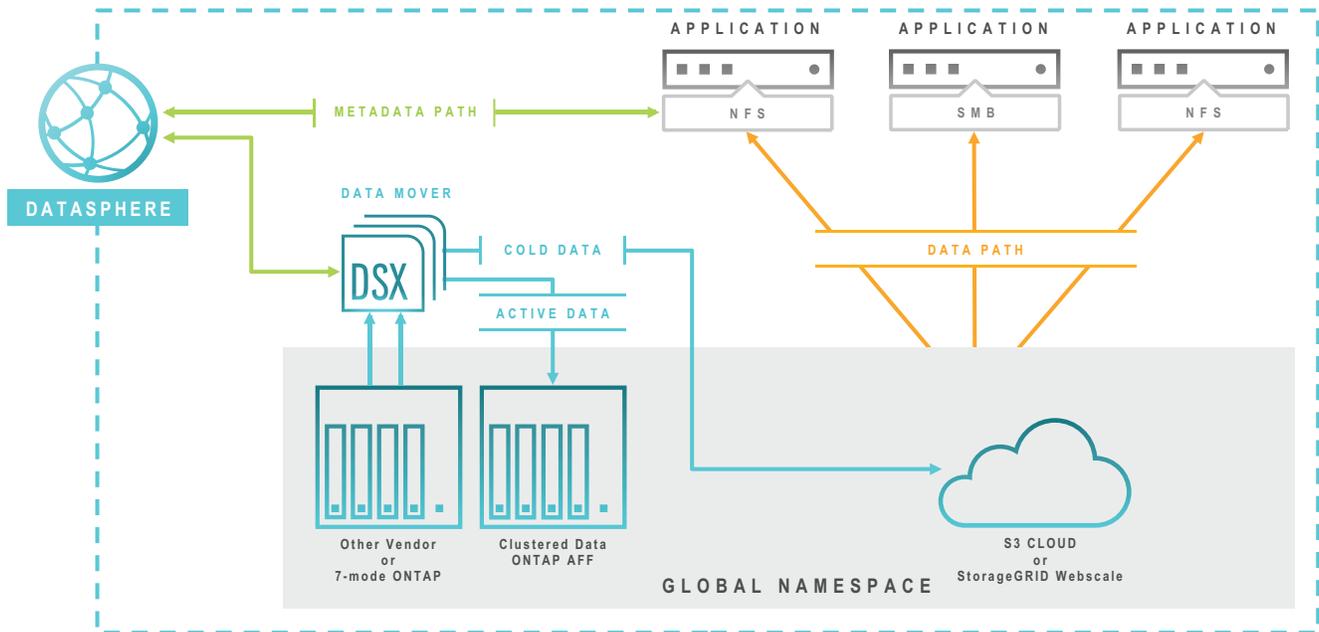


Figure 1: Automatically migrate off legacy systems with no downtime and no reconfiguration.

ABOUT PRIMARY DATA

Primary Data develops intelligence and automation software for enterprise data management across on-premises IT infrastructure and into the cloud. Its DataSphere platform combines metadata management and machine learning to move the right data to the right place at the right time across a global namespace, automatically and without application disruption.