

Solution Highlights

Use StorageX to transition from NetApp 7 mode to cDOT for faster, simpler, and lower cost migrations.

StorageX Mobility Platform

Mobility is a constant with unstructured data, because of growth, system refresh, tiering, archiving and optimization. StorageX is a true enterprise solution for file mobility, offering:

- Fully automated, policy based migration engine
- Intuitive user interface with design validation
- Scale-out replication agent architecture with integrated SMB and NFS support
- Migration process and QoS capabilities minimize user disruption
- Full API integration with ONTAP 7-Mode and C-Mode
- Automatically update DFS links and NFS Automounts
- Reporting on migration progress & completion

StorageX based Migration

NetApp 7 Mode to Cluster Mode

- 1:1 Migration orchestration of data, share/export configurations, volumes, metadata and permissions
- Transformative Migrations
 - QTree breakout to volumes
 - 32 bit to 64 bit aggregate conversion
 - Selective migration
 - Permissions management and cleanup
- Data movers: NetApp SnapMirror or Data Dynamics replication agent

Competitive Storage to NetApp

- Intuitive migration projects
- SMB and NFS standards based migratio

Single Pane of Glass for 7 to cDOT Transformation

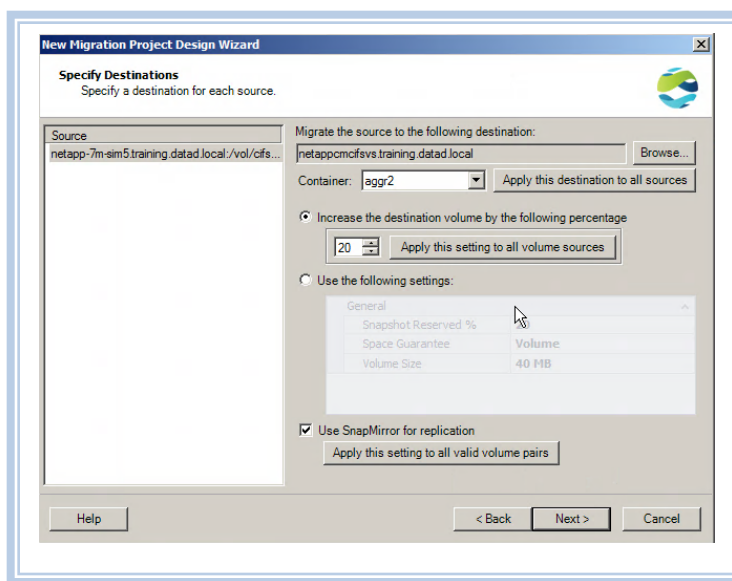
As large enterprises look to deploy NetApp Clustered Data Ontap, they are analyzing the way the store and manage their data. Over the years their NAS Filer estate has become a dumping ground for unstructured data. Capacity is provisioned wherever space was available rather than enforcing standards. User home and group drives have become misaligned from the lines of business. Application data has proliferated across various silos. Due to all of these factors most enterprises look for the migration to a clustered environment as a way to restructure. They don't want to be bound by legacy constructs of Aggregates, Volumes and Q-Trees. This is where Data Dynamics' flagship product, StorageX brings value.

StorageX is a unstructured data mobility platform. StorageX leverages a proprietary and patented technology that integrates discovery, policy based rules engines, organic data movers and integration with Microsoft's DFS and has API integration with both 7-mode and C-Mode, including SnapMirror. This in turn gives customers the ability to migrate, restructure, or consolidate your NAS estate at aggregate or granular levels, while ensuring all SMB shares, NFS exports and their respective permissions are moved as part of the process to ensure security management.

Complete Flexibility

StorageX 7.7 empowers you to migrate from 7 to C-Mode based on your needs. You are not bound by volumes, Q-Trees, shares or exports. In the case of volume to volume migration StorageX will leverage SnapMirror to move the data. When needed for either Q-Tree to volume migration or 32bit to 64bit aggregate conversions StorageX will leverage its own proprietary data movement engine. Migrations can get as granular shares or exports. StorageX not only moves the data, but will provision the Volumes as well as overlay the "Shares" and "Export Policies".

StorageX incorporates Active Directory authentication to ensure only privileged users can access the flow of data. The StoragX administrator will grant access to either AD users or Groups. In addition, there is a robust reporting engine which capture all relevant information on all migration activities.



Compared to traditional tools

StorageX has an advantage over both native (7MTT and SnapMirror) and external (Rsync, Robocopy, SecureCopy, etc.) tools. Native tools are too inflexible and are bound by legacy containers. External tools give flexibility but lack the automation. They require lots of man hours or heavy scripting for optimal use. Since StorageX has full API integration, it can not only copy the data but also create the target to match the source. Leveraging this as well as the proprietary technology in the replication agents, we can decrease the cutover windows required and the overall duration of the entire transformation, providing a positive customer experience, helping accelerate the rate of cDot adoption.

Automated, Policy Based File Data Mobility and Management

StorageX automates data discovery, policy based mobility and management for migration, consolidation, tiering and archiving of unstructured data in complex file storage environments.

The policy-based approach to file storage management maximizes the value of data to business and minimizes risk, user downtime, cutover windows, and other disruptions related to file storage migrations, rebalancing, consolidations, and tech refreshes.

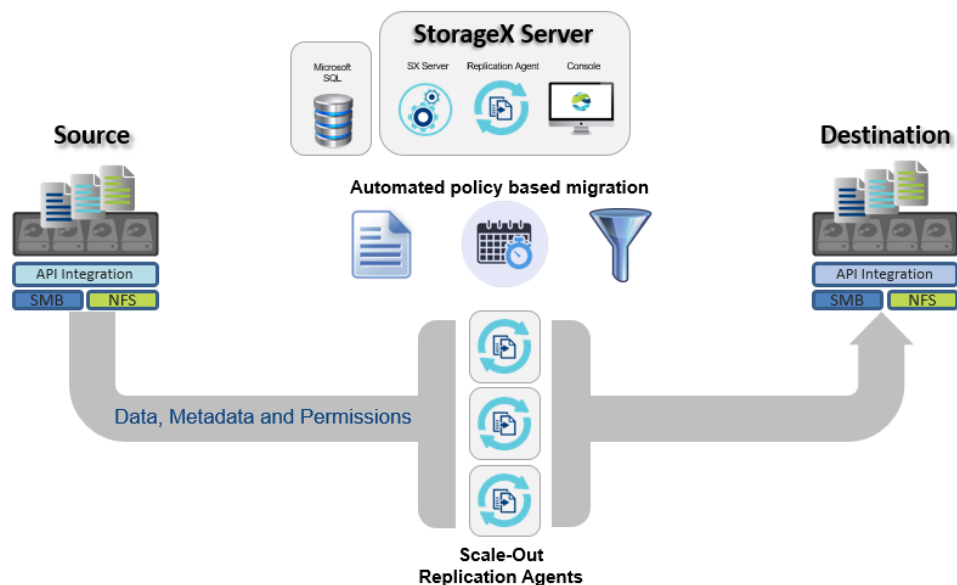
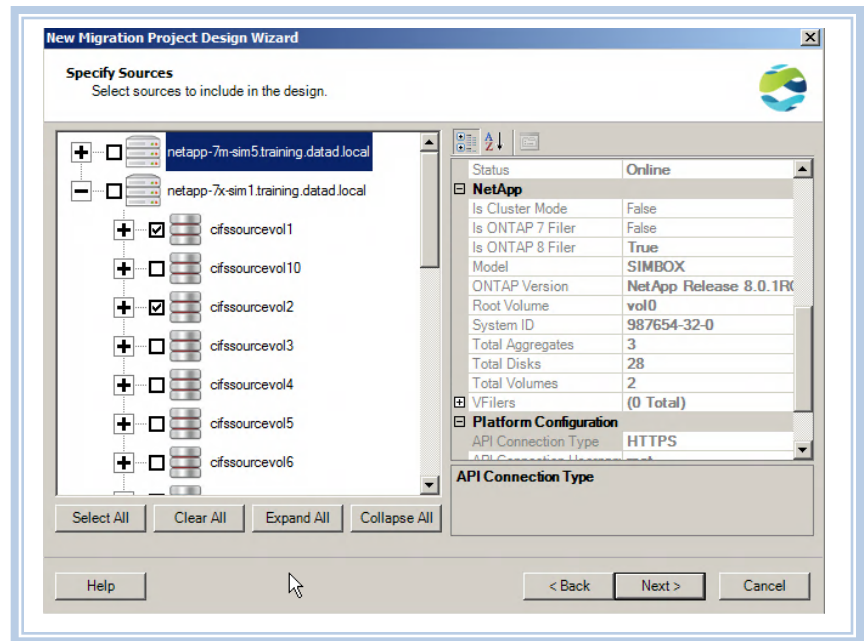
Architecture

The StorageX architecture starts with the StorageX server, which runs on a physical or virtual machine. It contains a console that can centralize the management of all policies and projects, and scale-out virtual server based StorageX replication agents that execute copy jobs and manage multi-threading. The architecture is fully out-of-band, with the StorageX Server interacting with NAS systems via policies rather than holding or modifying data itself. The StorageX server and StorageX Console run on Windows 2008 or later. StorageX replication agents run on Windows 2008 or later or Red Hat Enterprise Linux 6 or 7.

API integration with NetApp Snap Mirror allow array-based migrations to be managed within the same console as host-based migrations

About Data Dynamics

Data Dynamics is a leading provider of unstructured data management solutions that enable the agile discovery, analysis, optimization, migration and management of large data assets across the information lifecycle. Its award-winning StorageX product suite eliminates multi-vendor storage silos providing enterprises with an intelligent, policy-based, cloud storage management platform to empower data portability, usability and insight for business agility and operational efficiency. StorageX has been adopted by hundreds of enterprise customers, Fortune 500 companies, and large municipal governments to increase storage portability for the simplified adoption of next-generation heterogeneous datacenter and cloud infrastructures.



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