StorageX
Automated, Policy-Based File Data Mobility and Management

Essentials

Fully automated, policy-driven file data mobility and management for CIFS and NFS data

Intuitive user interface

API integration with NetApp Data ONTAP & EMC Isilon OneFS and VNX OE for File

Three-phase copy process delivers a fast and consistent migration with minimal user disruption

Supports file data migrations at both aggregate (NAS device/volume/qtree and tree quota) as well as granular (share-to-share and export-to-export) levels

Proprietary algorithms determine optimal multi-threading for maximum copy performance

Quality of Service (QOS) controls allows bandwidth throttling to preserve network resources for business activities during migration

Migration Projects manage the entire migration workflow, from initial baseline copy, to incremental copies to keep data in sync, to the final cutover

DFS namespaces management, including replication, HA and namespace updates during migrations

No scripting or advanced skills required

Data Dynamics® StorageX™ provides a single pane view to automate data mobility for migration, consolidation, and archiving of unstructured data in complex file storage environments.

This automated, 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.

StorageX leverages the strength and versatility of the proprietary technology in our Policy Engine to empower our customers to manage their data mobility needs. This underlying technology powers our key features:

Phased Migration

StorageX Phased Migration Policies provide a three-phased approach to data migration, including initial copy, incremental copies, and final synchronization.

The initial phase copies unlocked data in the background while preserving the original access path for users. Continuous incremental copies replicate new, previously locked, or recently modified files from the source to the destination. In the final synchronization or cutover phase, StorageX blocks access to the source, performs a short final sync to copy any new files recently added or updated, and then shares the new destination with users. This phased, programmatic approach with clearly-defined migration phases and processes increases predictability and reduces cutover windows and migration risks.

Phased Migration policies provide options to specify how to manage security settings and file attributes during the migration process.

Migration Projects

StorageX Migration Projects allow movement of NAS devices with central control and management. Instead of migrating data at the share or export level, Migration Projects migrate data at a NAS device or volume level.

Projects begin with a design phase that creates source and destination mappings, followed by an analysis phase that validates mappings using a rules-based Migration Project engine. During its analysis, StorageX identifies any conflicts or issues and allows changes or corrections.

The design and validation phase is extremely valuable, as multiple designs can be created, providing options to pick the best design for a particular environment. After validation and execution of the design, StorageX automatically provisions destinations and creates the migration policies associated with the design. StorageX then uses the policies to migrate CIFS shared folders, NFS exports, file attributes, and permissions from sources to destinations.
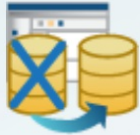
About Data Dynamics

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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Disaster Recovery

In addition to ensuring fast, uninterrupted user failover following an outage, today's organizations must find a way to centralize business continuity management in heterogeneous, distributed environments, while keeping IT costs at a minimum.

StorageX Disaster Recovery policies create a single pane for managing environments, while reducing aggregate risk and costs through automation. For example, administrators can monitor shares, folders, and volumes for availability, transparently failing over users to alternate storage devices based on pre-defined policies.

Microsoft DFS Namespace Management

StorageX DFS management capabilities can abstract a physical file storage environment into a logical, business-focused view that is meaningful to end-users and flexible to manage.

StorageX DFS management capabilities can rebalance file storage resources or replace resources without disruption to user access. When used in conjunction with migration policies, StorageX DFS management can streamline and automate CIFS file data migrations even further. Simply configure migration policies to automatically update DFS namespace links that reference the old source to now refer users to the new destination during the final cutover phase. This reduces cutover times and minimizes user disruption during file data migration.

StorageX 7.8 New Features

Policy Run Simulator

StorageX allows you to run a simulation of a policy to gather statistics regarding what would happen if you were to execute the policy in your environment. With this tool you can validate and verify your policy designs and estimate file data migration requirements based on number files, file sizes, and actions taken.

Replication Module

StorageX now allows heterogeneous data replication across both SMB and NFS file storage resources.

StorageX Software Development Kit

StorageX now provides an SDK for creating, modifying, deleting, and running StorageX policies.

Isilon sources added for Migration Project designs

StorageX now allows you to create a Migration Project design with OneFS 7.0 and later devices as source resources.