Introducing StorageX 8.1

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DATA DYNAMICS®
Manage Your Data®

StorageX 8.1 Key Capabilities

ANALYZE

- Discover file storage resources based on industry standards SMB, NFS, S3, Microsoft DFS, Windows, and Linux. Deeper hardware discovery via API Integration with EMC Isilon OneFS, EMC VNX OE for File, IBM Cloud Object Storage, NetApp Data ONTAP 7G, NetApp Data ONTAP 8, NetApp StorageGRID.
- Visualize file storage infrastructure relationships and their correlations from Namespace, File Server, shares, exports, volumes, qtrees, folders, to individual files or S3 buckets to individual files.
- Analysis Portal provides file system health, usage, age, size, activity, type, top consumers and potential savings analytics. It provides the ability to explore based on file name, location, creation, last access, attributes, SID and turn insights into storage actions.
- Analyze scanned file data based on file metadata and custom tags and generate reports on your resources. Use data analysis to determine which files need to be moved, copied or archived.
- Reporting enhanced to add intelligent and dynamic views of your file storage infrastructure.
- Access Control reporting on user's ownership of files and group's ownerships of files. Export to Excel for deep analysis.
- Take Action by converting analyzed data and plans into StorageX policy actions such as file archive, copy or move.

Updates in 8.1

- Optimized file scan and analysis using clustered Elasticsearch
- Added query search to create custom datasets for Effective Data Analytics and Reporting Capabilities
- Increased scalability for faster file analytics
- Improved support added for NetApp ONTAP

MOVE

- Universal Data Engine (UDE) is the engine that powers the StorageX file management platform. UDE's distributed client/server architecture is massively scalable and can support thousands of storage resources from one central location. It is based on industry standards, supporting SMB, NFS. and S3.
- StorageX Retrieval Portal is used to find and retrieve archived data on the object storage resource(s) to which you have access. As an administrator, retrieve archived data and move to alternate location for any user.
- Use StorageX central management console to provision heterogeneous file storage resources. CIFS shared folders, NFS Exports, Data ONTAP volumes, qtrees and SnapMirror. For S3 compliant storage systems, the central management console can provision S3 buckets.
- Automated data movement policies facilitate the transfer, or migration, of SMB/NFS source files to S3 Object storage and traditional file storage resources. Move an entire share or export to a new share or export.
- Automated access control security management for Software Identifiers (SIDs). Make changes to SIDs, remove orphan SIDs and preserve SIDs during file movement. SID information is preserved in S3 to be able to rebuild.
- Custom metadata transformation. Change file attributes and mode bits and add custom metadata to scanned file and transfer to S3 Object. Metadata is preserved in S3 to be able to rebuild.
- Cutover Estimation estimates data movement time. Use to decide when "cutover" will occur, or when you will stop sharing the source and start redirecting users to the file data in the new location.

- Added Microsoft Azure Blob Support for agile data management
- Enhanced Replication of security descriptors for NetApp storage
- Increased performance of Universal Data Engine for improved performance and scalability

MANAGE

- StorageX manages automated, policy-driven workflows for Phased Migration, Archival Migration, Disaster Recovery, Replication, Namespace Backup and File System Restructuring.
- Supported storage resources include Windows and Linux, Data ONTAP, VNX OE for File, OneFS, CIFS/NFS client computers, IBM Cloud Object Storage, StorageGRID and S3-compliant object storage.
- StorageX Retrieval Portal is used to find and retrieve archived data on the object storage resource(s) to which you have access. As an administrator, manage retrieval requests and search for and retrieve specific archived files for any user.
- StorageX Archive moves unstructured files to economical object storage for long term retention based on analytics. StorageX takes each file you want to archive and converts to S3 object format. Archived files are retrieved using the new StorageX Retrieval Portal or directly from the object repository via a RESTful API.
- StorageX File Tiering uses analytics to drive share or export movement based on the dataset and your query criteria. You identify a set of matching shares/exports to be moved and streamline moving them.
- StorageX namespace management abstracts a physical file storage environment into a logical, business-focused view. Use in conjunction with migration policies to automatically update DFS namespace links that reference the old source to the new destination during the cutover phase.
- StorageX namespace management enables users to fail-over and fail-back namespaces and the underlying file storage resources for complete disaster recovery readiness.
- StorageX Disaster Recovery policies create a single pane for managing environments. Administrators can monitor shares, folders, and volumes for availability, transparently failing over users to alternate storage devices based on predefined policies.
- StorageX File Replication supports files of any size or in any distance, and supports distributed, heterogeneous data environments for CIFS or NFS compatible storage. Using granular policies to enable monitoring of replication jobs.
- Manage security file access controls with policies to monitor and map SIDs from the source to the destination using one or more SID mapping rules. You can replace any SID in a CIFS security descriptor with any other SID and even translate SIDs across domains.

- Integration added for third-party monitoring tools
- Enabled data grooming for Cassandra to maintain high quality data
- Improved GUI with more customizations
- Automated data movement has been enhanced for greater performance
- Upgraded Central Management Console

MODERNIZE

- Make StorageX the core of your storage management strategy. Move files from NAS to Object and NAS to NAS, and avoid vendor lock-in that results from products that operate in the data path.
- StorageX 8.1 introduces integrated file scanning and a repository to store full details on scanned file data. Add custom tags to data that has been scanned. This rich set of standard and custom metadata is fed into the policy engine to drive data migration for file or object. Custom tagging also enables deeper data analytics and reporting by building a strong data governance and infrastructure.
- StorageX SDK provides APIs for dynamic file management operations. These APIs allow for enterprise management applications, business applications, or development applications to directly invoke StorageX data management actions such as archive, delete, copy, or transform files.
- Coupling object conversion with analytics provides a robust mechanism for identifying files to move to low-cost object storage for long term archival and file tiering. Archived files can be retrieved using the new StorageX Archive UI or directly from the object repository via a RESTful API.

- New API Functions for business workflow integrations
- Improved custom tagging for file-to-object transformation API calls

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About Data Dynamics

Data Dynamics is a leader in intelligent file management solutions that empower enterprises to seamlessly analyze, move, manage and modernize critical data across hybrid, cloud and object-based storage infrastructures for true business transformation. Its award-winning StorageX platform eliminates vendor lock-in and provides a policy-based, storage management platform to provide the insight, agility, and operational efficiency to transform your data assets into competitive advantage. Used today by 26 of the top Fortune 100 companies, StorageX has optimized more than 350 PB of storage, saving more than 170+ years in project time and $170+ million in total storage costs. For more information, please visit: www.datadynamicsinc.com.

Sign up for a demo of StorageX 8.1