**Data Dynamics**

# Fortune 50 Financial Institution Migrates to EMC Isilon with StorageX

## Quick Look:

| Industry | Opportunity | Solution | Value Added |
|---|---|---|---|
| Financial | One of the largest banks in North America selected EMC Isilon as a secondary platform within their NAS storage estate. To consider this transition successful, they required minimal disruption at time of cutover, avoidance of network contention during replication and copying security and permissions across platforms without errors. | The customer selected, and was supported by the EMC Isilon team, to use StorageX for their migration because it provided a single management console, gave the ability to manage bandwidth utilization as part of the data copying phase, and minimized disruption to their business operations during cutover. | StorageX 7.6 delivered:<br>• Single pane view across both CIFS and NFS migrations.<br>• Ability to set QoS during replication to minimize client impact.<br>• Minimal disruption to business for cutover.<br>• Standardization across global data centers. |

The financial industry generates a massive amount of unstructured data. The number of data sources continues to increase as markets rely on an array of inputs for analysis and decision making. As such, high availability access to this data is critical and has a massive impact on profitability for financial institution customers. Large financial clients can generate terabytes of data on a daily basis which leads to a storage infrastructure that spans thousands of devices hosting hundreds of petabytes of data.

**Opportunity**
With over 1,000 legacy NAS controllers, the customer decided to utilize a dual-vendor strategy for its NAS based storage estate. They selected EMC Isilon as the secondary NAS solution of choice to support their business needs. The challenges the customer faced were to ensure that they could replicate their data in the background, manage the amount of network bandwidth that they would utilize for the migration, and to ensure that they drove consistency in their deployments across all global data centers.

**Solution**
StorageX provided a single pane view for managing the migration and ensuring a consistent delivery mechanism across a global data center footprint. Leveraging advanced functionality for automated creation of replication jobs, QoS bandwidth management, and API integration to both the source and target to help analyze and plan the migration, StorageX was able to copy the data onto the EMC Isilon environment without impacting existing users during initial and incremental replications. StorageX

supported both CIFS and NFS based protocols and ensured that the permissions on the source were copied successfully onto the new EMC Isilon target.

### Value Added
### Quality of Service

One of the critical concerns for the customer was minimizing the business impact to their users and servers during replication. StorageX offered a QoS solution which provided "hot" and "cold" windows for replication with specific bandwidth management criteria. Utilizing the QoS functionality provided, StorageX was able to replicate data for the initial and incremental replication policy runs as well as continue migrating all data to the target, with the exception of changes between the last incremental copy and the final cutover, during business hours with minimal impact to users and clients.

### Reduced Outage Window

With over 200,000 internal employees and millions of external customers, ensuring high availability access to data is paramount. StorageX reduced the downtime required for the final cutover to a fraction of what would be expected with other, host-based, copying software platforms. With a lack of scripting requirements and leveraging the automation built with the API integration into both the source and target, StorageX provided a virtually seamless final cutover and almost zero end-user impact.

### Consistency and Single Pane View

The customer has data centers across the globe and this migration involved moving data within several of those data centers. By utilizing StorageX, the customer was able to centralize the management of the migration to key geographies and drive

consistency in the end state of their infrastructure by leveraging the same policy structure regardless of geo-location or protocol.

## Solution Components

### StorageX Licensed Features

- ☒ Migration
- ☒ Replication
- ☒ Discovery
- ☒ Reporting
- ☐ Disaster Recovery
- ☐ Namespace

### Managed Resources

- ☐ Microsoft Windows Server
- ☒ EMC Isilon
- ☐ EMC VNX
- ☐ EMC VNXe
- ☒ NetApp 7
- ☒ NetApp 8 in 7 Mode
- ☒ NetApp 8 in Cluster Mode
- ☐ Red Hat Enterprise Linux

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