

## Case Study

# From Transition to Triumph

*How Swift Migration of 600 TBs of Data in 20 Days Fueled a Fortune 50 Multinational Energy 'Supermajor' to Accelerate Cloud Adoption and Meet Their Net-Zero Objective*



For one of the world's seven multinational energy "supermajors" Fortune 50 company, the imperative to reduce their carbon footprint swiftly and drive cost improvements led to the decision to consolidate data centers and migrate a massive 600 TB of data to the cloud. However, the journey was riddled with challenges, including delays and substantial costs associated with Azure data migration. Undeterred, Data Dynamics stepped in, offering their powerful unified data management software with a specialized Mobility module accelerating cloud adoption. The collaboration resulted in seamless data migration within strict timelines, leading to significant cost savings and impressive carbon footprint reduction.



## Business Need

### *Rapid Carbon Footprint Reduction and Cost Improvements*

- **Rapid Carbon Footprint Reduction:** To take significant steps in reducing their carbon footprint promptly, aligning with their environmental objectives.
- **Drive Cost Improvements:** Efficiently manage costs by consolidating data centers and optimizing data storage.
- **Cloud Data Center Consolidation:** Migrate data from multiple data centers to the cloud, embracing a more scalable and cost-effective approach.



## Challenges Faced

### *Overcoming Data Migration Hurdles for 600TB Data Center Closure*

- **Azure Data Migration Delays:** Prolonged migration delays resulted in substantial expenditure of tens of millions of dollars.
- **Massive Data Center Closure:** Migrating a colossal 600 TB of data from the data center posed significant logistical and technical hurdles.
- **Data Migration to ANF:** Ensuring seamless data migration to Azure with proper ownership and access.
- **Complex Data Volume Management:** Handling over 250 volumes with a tight deadline of 45 days for data transfer.
- **Manpower and Expertise:** Navigating the complexities of migration while ensuring manpower and expertise availability.
- **Performance Lag and Scalability:** Overcoming performance lags and scalability concerns during the migration process.
- **Data Security and Metadata Preservation:** Ensuring data security and preserving metadata throughout the migration journey.

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# Solution Offered

## A Strategic Blend of Microsoft Azure and Data Dynamics Unified Data Management Software

Data Dynamics implement the software's powerful and data-driven mobility module to address the challenges:



### Identification of Matching Shares/Exports

Identified matching shares/exports to be moved, streamlining data migration and optimizing the transfer.



### Seamless Migration of SMB/NFS Source Files

The software's robust capabilities facilitated smooth data transfer across heterogeneous storage resources. Policy-based automation ensured a seamless migration, reducing manual intervention and errors.



### Automated Access Control Security Management

Automated access control for SIDs ensured stringent data security and proper ownership, minimizing unauthorized access risks.



### Preservation of Metadata and SIDs

The software diligently preserved metadata and SIDs during migration, ensuring data integrity and security, mitigating data loss or corruption risks.



### Cutover Estimation Estimates

Precise cutover estimation estimates optimized resource allocation, meeting the 45-day timeline, ensuring timely data movement, and minimizing disruptions to operations.



# Business Impact

## Accelerating Carbon Footprint Reduction and Cost Savings

- **Rapid Carbon Footprint Reduction:** The efficient & swift data migration and data center consolidation of 600 TB in just 20 days contributed significantly to the company's environmental goals resulting in 35% reduced operational emissions.
- **Cost Savings:** By overcoming delays and implementing a well-structured migration strategy, the company achieved substantial cost savings of \$10s of millions of dollars.
- **Data Center Closure:** The successful migration of 600 TB of data from the data center enabled a streamlined, scalable, and cost-effective cloud infrastructure.



# Conclusion

Data Dynamics' strategic collaboration with the Fortune 50 energy "supermajor" exemplified the power of effective data migration and consolidation. By leveraging a blend of Azure and Data Dynamics' unified data management software, the company achieved remarkable cost savings and accelerated progress towards their carbon footprint reduction targets. Embracing this transformative approach, the energy "supermajor" now stands poised for a more sustainable and cost-efficient future, solidifying its position as a global leader in the energy industry.

Your next chapter of success awaits; let's write it together with Zubin.

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