

WANDISCO FUSION® FINANCIAL SERVICES

Multi-region data availability solved

PolycLOUD data resiliency and financial services regulation compliance

BUSINESS OBJECTIVE

A large financial institution wanted to exploit the power and flexibility of the cloud, and looked for a way to meet regulatory demands for data protection and resilience across multiple cloud locations.

SCENARIO

- Customer wanted to migrate to the cloud with no-downtime to applications or disruption to the business.
- To satisfy regulators, the customer needed to enable multi-regional and multi-cloud replication to ensure strict disaster recovery (DR) SLAs could be met in the event of a disaster, and for backup retrieval in the event of data corruption.
- The customer also looked to enable future data agility to ensure it could capitalize on innovation from other cloud providers without vendor lock-in.
- The destination for the data is the Azure Data Lake Storage (ADLS) (Gen 1) located in the US East 2 region.
- The customer is keen to focus all its data usage within the ADLS environment, which means always-on data access is critical.

CHALLENGES

- Azure currently lacks high availability options within regions, and this financial services institution required alternative solutions to provide greater resiliency to meet regulatory requirements.
- Data being migrated comes from multiple sources, the majority from on-premises infrastructure, combined with data already located in Azure.

SOLUTION

- Data migration from on-premises systems and existing Azure-based data to ADLS in US East 2.
- Data replication from the US East 2 region to the US Central region, satisfying the bank's disaster recovery requirements.
- Weekly replication of data to a second ADLS located in the US East 2 region to provide point-in-time copies.

ENVIRONMENT, TECHNOLOGY, AND TOOLS

- Cloudera
- Hortonworks
- Microsoft APS (On-premises data warehouse)
- Azure SQL Data Warehouse (Platform as a Service)
- Manual user uploads via API or Web UI (Future use)

BENEFITS & OUTCOMES

- Data is persisted in a consistent, reconciled fashion across multiple cloud locations.
- ADLS to ADLS replication for both cross-region and local-region requirements.
- Multiple sources of data ingested into ADLS can be replicated immediately.
- Permissions of files and directories are replicated as they were on Source.
- Fusion has the ability to replicate to multiple types of storage, and the customer may leverage this to replicate to AWS and other cloud vendors in future.

“WANdisco Fusion enables multi-cloud replication between Azure regions easily and cost-effectively – and offers the ability to replicate to other cloud vendors, too.”

–VP, Enterprise Technology Strategy

About WANdisco Fusion and a LiveData Platform

Ensuring that your application data stays accurate and consistent across all your application environments is complex, especially in the cloud. But it doesn't have to be.

WANdisco Fusion gives you LiveData: data consistency and accessibility in any environment. Our enterprise-class software removes complexity and risk, and works across on-premises, cloud and hybrid deployments.

With LiveData, your data is guaranteed to be available, accurate, and protected – anytime, anywhere, spanning platforms and locations, even for data changing at petabyte scale.

Embrace multi-cloud architectures. Simplify your move to the cloud. Increase your data resiliency and ensure your business continuity.

About WANdisco

WANdisco is shaping the future of data infrastructure with its groundbreaking LiveData platform, enabling companies to finally put all their data to work for the business – all the time, at any scale. Only WANdisco makes data always available, always accurate, and always protected, delivering hyperscale economics to support exponential data growth with the same IT budget. With significant OEM relationships with IBM and Dell EMC and go-to-market partnerships with Amazon Web Services, Cisco, Microsoft Azure, Google Cloud, Hewlett Packard Enterprise, Oracle and other industry titans – as well as hundreds of customers among the Global 2000 – WANdisco (LSE:WAND) is igniting a movement worldwide.

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