

# WANDISCO FUSION®

## RETAIL

## Enhanced forecasting reduces food waste

Unlocking compute capacity for complex business analytics

### BUSINESS OBJECTIVE

A high-end supermarket chain wished to deploy a business intelligence environment, to enable enhanced stock forecasting and other crucial, data-powered business processes.

### SCENARIO

- Faced with increased pressure to cut food waste, the retailer was looking to drive compute-intensive analytics processes such as stock forecasting, in near-real time, that would increase replenishment accuracy.
- The retailer planned to introduce Hadoop to its existing relational database infrastructure, and enable next-generation SAS analytics tools, using multiple datasets, including customer-facing and supply chain databases.
- The company operated two data centers, 20km distant, for failover and backup, and could not afford operational disruption.

### CHALLENGES

- Hadoop replication solutions were overly complex and expensive, requiring too much admin effort.
- Mission-critical replenishment forecasting is a continuous process, and many solutions offered two-hour RPO and eight-hour RTO – too slow for the retail trade.
- With a mixed storage, server and application environment, the retailer was faced with the cost and complexity of deploying multiple solutions.

### SOLUTION

Deploy WANdisco Fusion to replicate data automatically to its second site for disaster recovery, offering high availability with near-zero RPO and RTO.

Run specific compute-intensive operations on the idle capacity at the second data center, and use WANdisco Fusion to replicate the results to the primary data center.

### ENVIRONMENT, TECHNOLOGY, AND TOOLS

- Teradata Hadoop Appliances
- Relational databases
- Ab Initio ETL
- WANdisco Fusion

### CAPABILITIES INTRODUCED

WANdisco Fusion provides real-time data replication to enable separate data centers to function as one, with near-zero RPO and RTO disaster recovery.



## BENEFITS & OUTCOMES

- Automates replication of 100% of Hadoop and relational database data, without need for separate solutions
- Creates a LiveData environment with consistent data at both data centers
- Large savings compared with running multiple solutions
- Protects against data and value loss in case of disaster

*“With WANdisco Fusion we gain near-zero RPO and RTO for our business-critical stock replenishment, helping us cut food waste and improve retail margins.”*

–IT Manager

### 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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