

WANDISCO FUSION® FINANCIAL SERVICES

Fortune 50 bank secures critical applications

Achieving data resiliency with near-zero RTO and RPO

BUSINESS OBJECTIVE

A market-leading bank was becoming increasingly reliant on its Big Data environment, and many Line-of-Business customers wished to migrate applications onto this environment for advanced analytics purposes. With so much at stake, the bank was looking for an improved replication and disaster recovery solution to safeguard this increasingly vital part of the business.

SCENARIO

- With more than 1,500 business-critical applications, spanning thousands of nodes and multiple users, the bank was under huge pressure to guarantee instantaneous recovery.
- The bank was looking for a way to replicate metadata, both for analytics purposes and to synchronize its security policies, managed by LiveHive and LiveSentry.
- It also wanted to reduce costs by creating a data lake for all its advanced analytics applications, but this threatened to introduce risks to the security of this data.
- The bank wished to test the performance of the proposed architecture by trialing use cases, and aimed for a recovery time superior to the four-hour SLA provided by its previous system.

CHALLENGES

- Replicating business data to a cluster archive.
- Replication from the financial product processing platform to a second hot standby disaster recovery site (both on Cloudera clusters).
- Replication of raw data from compliance dashboard, which receives 10 million messages a day.

SOLUTION

IBM Big Replicate, powered by WANDisco Fusion, replicates multiple monthly batches of business data to the archive cluster, and raw data from the compliance dashboard to secondary clusters in micro-batches.

ENVIRONMENT, TECHNOLOGY, AND TOOLS

- Apache HIVE
- IBM Big Replicate
- Cloudera
- GTI
- HDFS
- LiveHive
- LiveSentry

CAPABILITIES INTRODUCED

Continuous, real-time data replication for high availability and near-zero RPO and RTO disaster recovery.



BENEFITS & OUTCOMES

- Achieves an RPO and RTO below two hours – a significant improvement on the four-hour SLA of its previous system.
- Offers real-time replication of data between environments, enabling failover between production and disaster recovery environments (tested biannually).
- IBM Big Replicate enables replication between LiveHive and LiveSentry.
- Ensures consistent, available data throughout the business, with dependable disaster recovery to protect business-critical applications

“IBM Big Replicate, powered by WANdisco Fusion, passed our use-case tests with flying colors – now we can rest assured the solution will handle all our disaster recovery needs.”

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.

Talk to one of our specialists today
EMEA +44 114 303 9985
APAC +61 2 8211 0620
ALL OTHER +1 925 380 1728
US TOLL FREE +1 877 926 3472

5000 Executive Parkway, Suite 270
San Ramon, California 94583
Copyright © 2018 WANdisco, Inc. All rights reserved.

About WANdisco Fusion wandisco.com

Email partnermarketing@wandisco.com

Join us online to access our extensive resource library and view our webinars

View our library of film content
[youtube.com/user/wandisco1](https://www.youtube.com/user/wandisco1)

Follow us to stay in touch [@WANdisco](https://twitter.com/WANdisco)