Launching LiveData Platform for Azure

June 1st, 2020

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Agenda

- Cloud Data Migration and WANdisco Strategy
- Announcing LiveData Platform for Azure
- Retail Case Study
- Infosys participation with LiveData Platform
- Partner Program launch

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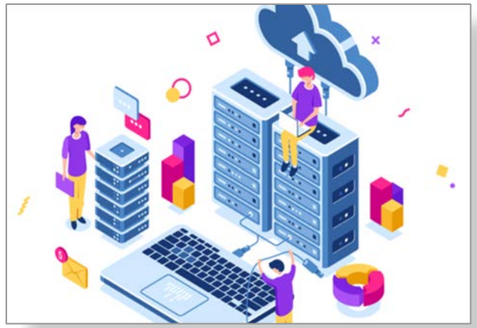
This is the year of
cloud migration

Cloud Data Migration Drivers

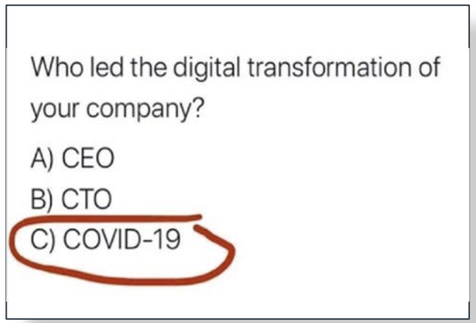
Modernizing the Organization's Data Architecture

Digital Transformation



Cost Optimization /
IT Agility

Analytics
AI / Machine Learning



Covid-19

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WANdisco LiveData Strategy

What is LiveData?

Critical data is continuously available in any environment, in every location, and at any scale – even when data is changing

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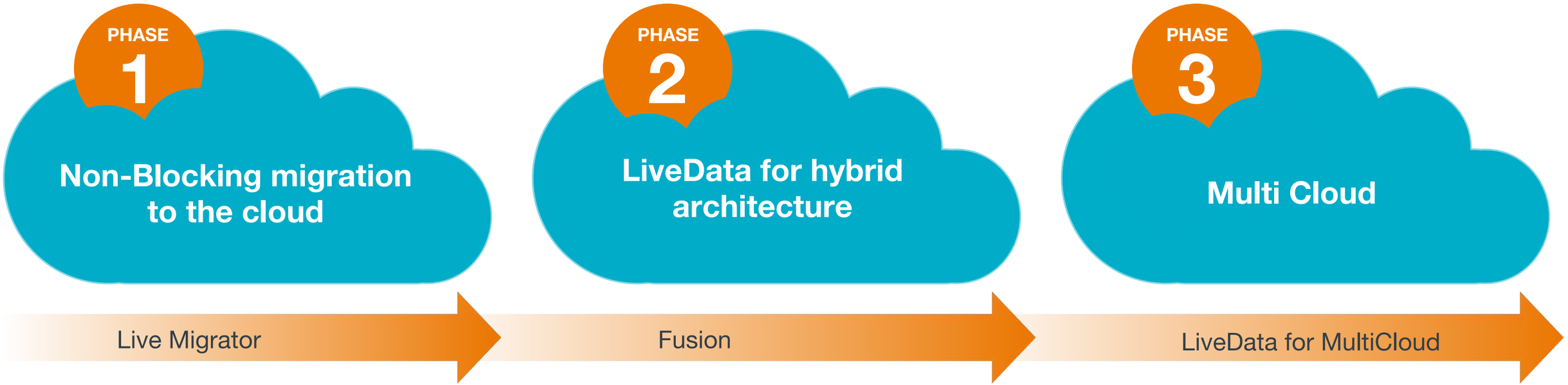
Three Stages of Enterprise Cloud Adoption



- Single pass migration with guaranteed consistency
- Minimal disruption to operations
- Maximize target ingest rate
- Every path becomes live as soon as it is migrated

- Eliminate vendor lock-in
- Gain true data availability
- Reduce cost structures

- Easy Management of Multiple Cloud Storage Providers
- No Vendor Lock-in
- Increased Data Availability

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Total Addressable Market (TAM)

- We modelled to 4-6 exabytes of data
  ($1bn-$1.5bn TAM)
- Microsoft told us 200-300 exabytes of on-prem analytical data
- For every $1 to WANdisco ~$5-$10 in Azure services,
  so Microsoft is very incented to work with us

Become part of cloud fabric
to take most advantage of this opportunity

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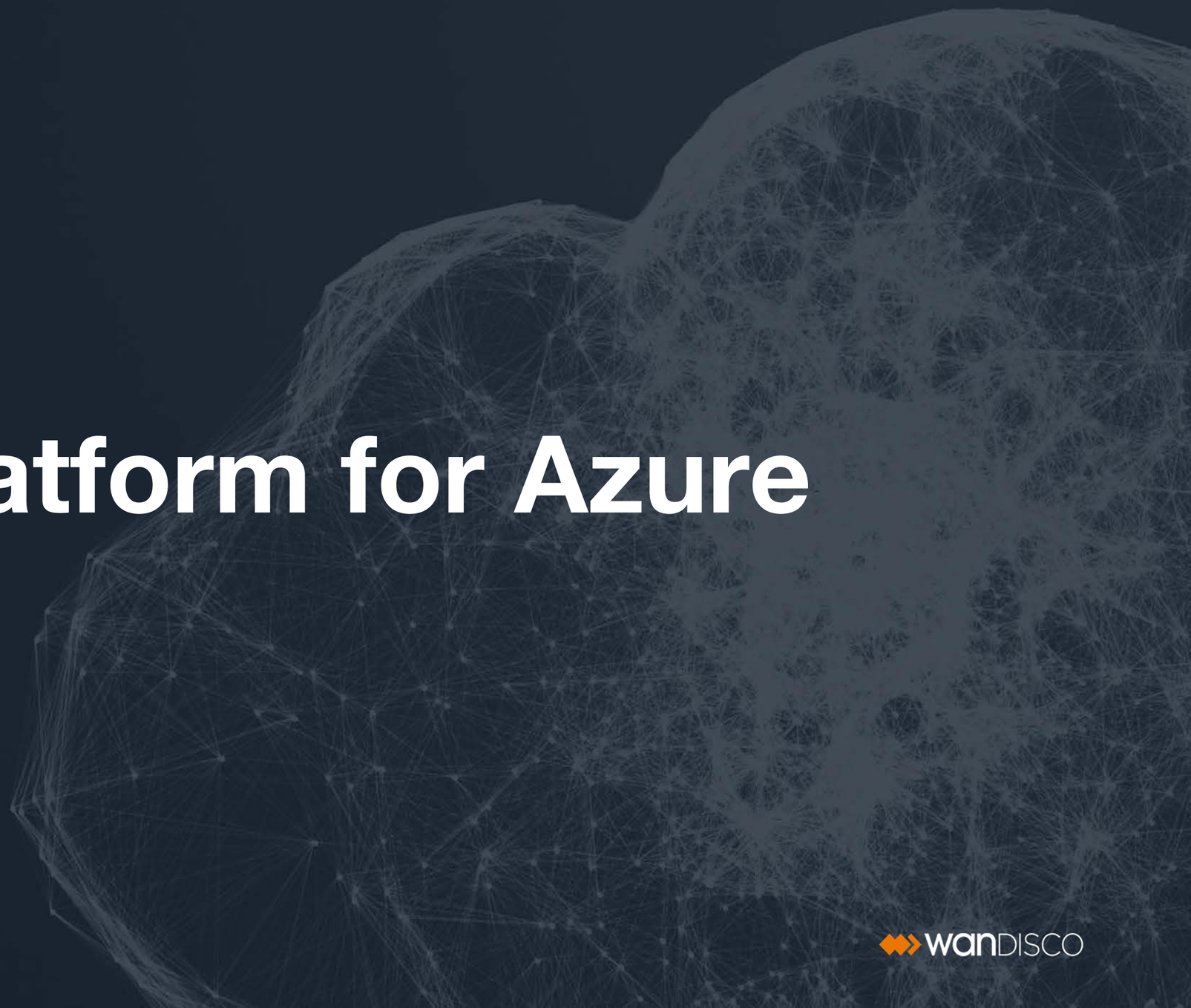
LiveData Platform for Azure



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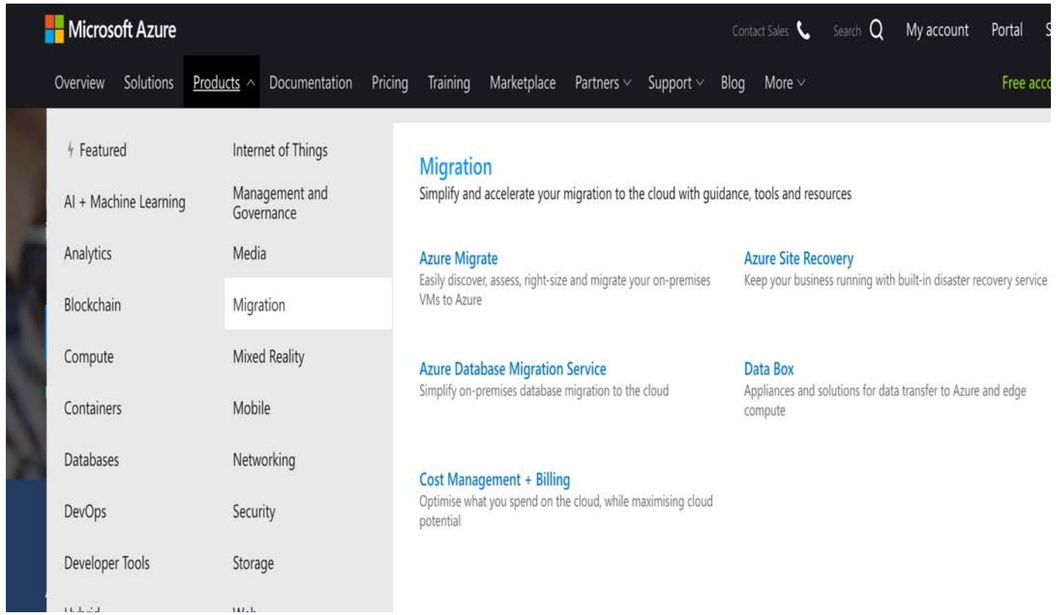
Announcing LiveData Platform for Azure

- Announcing public preview of LiveData Platform (LDP), a new core Azure service
  - The birth of Live Data as a Service
  - 1st ISV to create new native service on Azure
- Culmination of significant joint investment and engineering efforts
- Will be fully integrated in Azure Portal with similar customer experience to native Azure services
- LiveData Migrator for Azure and LiveData Plane for Azure are the first LDP applications….we expect many more



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LiveData Migrator for Azure

- Native integration between WANdisco and Azure
- Simplified deployment
- Native Azure security & manageability
- Billing through Azure
- Benefits of WANdisco LiveData Platform
  - Zero downtime during migration
  - Zero data loss
  - 100% data consistency

Automated Migration now Optimized for Azure

Available as public preview:

Microsoft | Azure Marketplace

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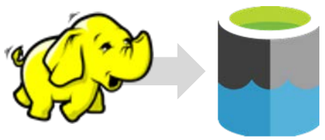
Target Scenarios for Public Preview

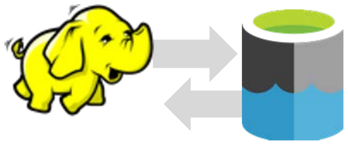


Hadoop Migration

Uni-directional migration of on-premises HDFS to ADLS Gen2

Reduce business risk and potential for budget overruns

With zero downtime, zero data loss and 100% data consistency even while data is under active change

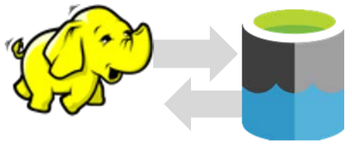


Hybrid Cloud

Support for active-active replication

On-premises & cloud environments stay in sync; data can be read and written in any environment

For production workloads with new cloud environments



Disaster Recovery

Continuous replication protects data and doesn't impact on-premises or cloud application performance

Self-healing capabilities streamline site recovery

Near zero RTO and RPO data protection

PLANNED FUTURE SUPPORT

- LiveAnalytics: Databricks
- Migration from ADLS Gen1 to ADLS Gen2
- HDI + Hive 3.6 to HDI 4.0 upgrade scenario

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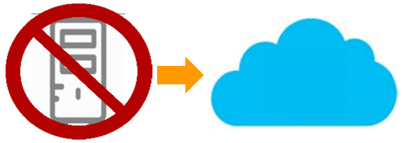
Aligned with Microsoft Data Lake Target Scenarios

One-way cloud migration

Moving everything over time (6-12 mos)

Steady state hybrid environment

Hybrid and workloads Shared datasets and infra

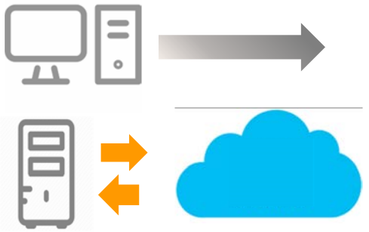


Disaster recovery

Cheaper DR environment for on-prem cluster

Backup

Replicate dataset to cloud for full PITR



Cloud elasticity/burst

Augmenting on-prem capacity (planned)

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Retail Case Study

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Retail Case Study

How did customer migrate petabytes of business-critical customer data from ADLS Gen1 to ADLS Gen2 with minimal business disruption?

GOAL
Migrate analytics platform to new environment that enables more advanced analytics and data science capabilities, while at the same time reducing costs.

CHALLENGE:
Migrate petabytes of business-critical customer data with minimal disruption to existing production workloads.

DATA INFRASTRUCTURE:
Current: Azure Databricks using ADLS Gen1 with more than 3.5 petabytes of data and growing daily

New: Azure Databricks using ADLS Gen2

With WANdisco
Customer was able to migrate 3.5 PB of data securely, with minimal business disruption to their current production environment, with 100% data consistency, and no need to modify applications or user controls.

Results:

- ✓ Securely migrated more than 3.5 PB of data from ADLS Gen1 to Gen2 with minimal business disruption
- ✓ Reduced migration effort by SI estimated 30-50%
- ✓ Introduced zero risk & required no changes to existing applications
- ✓ ADLS Gen2 provides enhanced manageability, performance and security capabilities for massive analytical workloads
- ✓ Put in place more cost-efficient environment
- ✓ Upgraded environment provides flexible foundation for future data growth and architecture requirements

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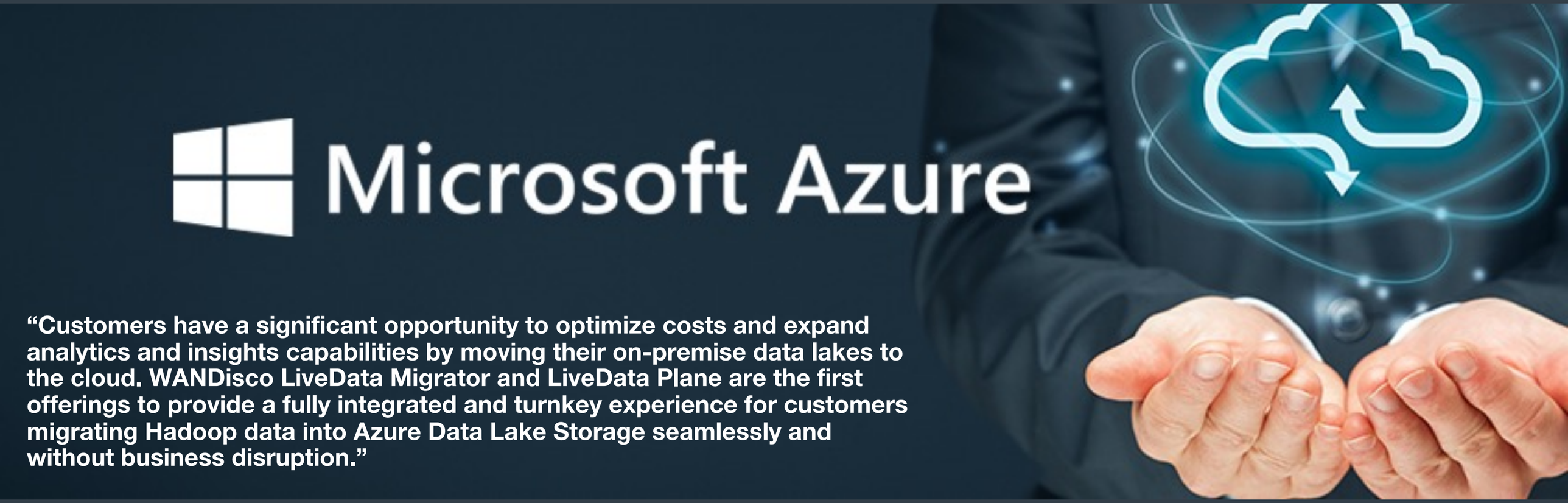
“WANdisco technology provides a unique platform to migrate “live” data at scale into and within Azure without business disruption. We have proven its capabilities in a multi-petabyte scale customer environment. The native integration with Azure simplifies deployment and makes LiveData Migrator for Azure the primary choice in live data migration scenarios. We look forward to working closely with WANdisco in the future to capitalise on the migration opportunity.”

Satish HC, Executive Vice President, Data & Analytics, Infosys Ltd

Microsoft Azure



“Customers have a significant opportunity to optimize costs and expand analytics and insights capabilities by moving their on-premise data lakes to the cloud. WANDisco LiveData Migrator and LiveData Plane are the first offerings to provide a fully integrated and turnkey experience for customers migrating Hadoop data into Azure Data Lake Storage seamlessly and without business disruption.”

Tad Brockway, Corporate Vice President for Microsoft Azure Storage, Media and Edge

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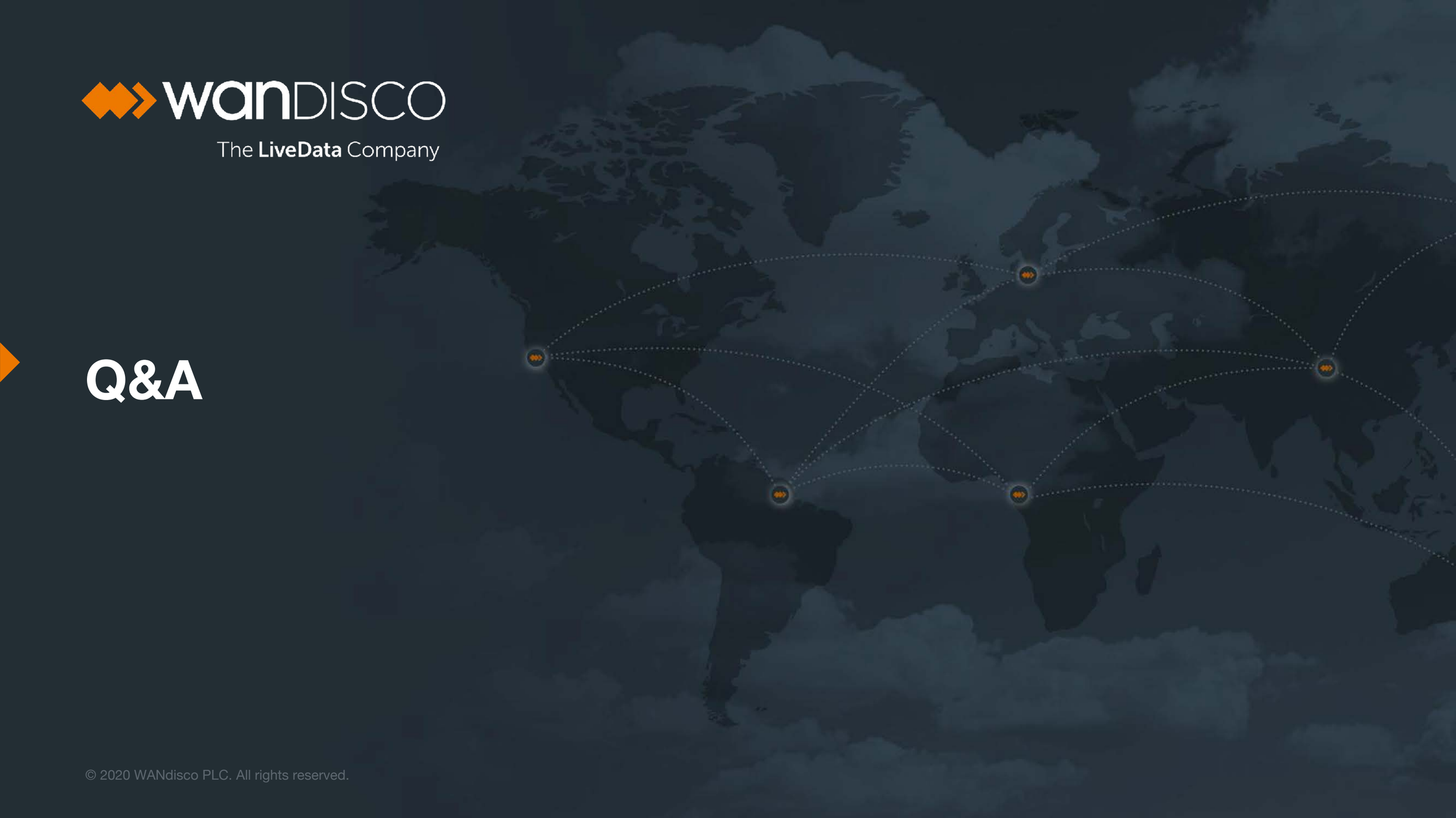
The **LiveData** Company



Q&A

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