

# WANdisco LiveData Migrator

Self-Service Migration with Zero Business Disruption,  
Zero Risk and Best Time-to-Value

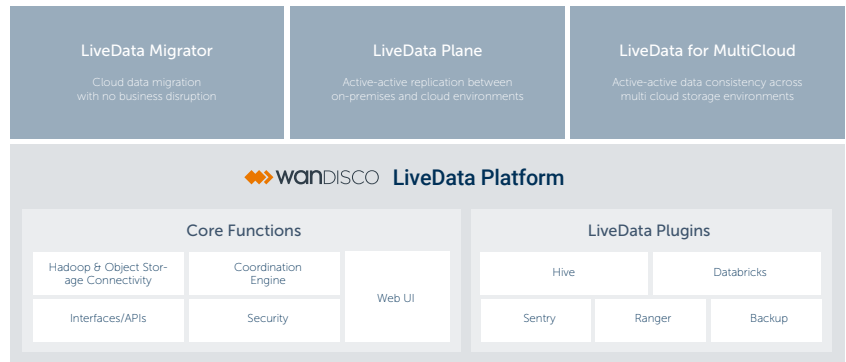
The modern business landscape is ruled by data. Analytics and AI are now essential for driving key business transformation. In order to make effective use of their valuable data assets companies are modernizing their data architecture, which means bringing their business-critical data to work in the cloud. While customers have benefited from the performance, flexibility, and cost savings offered by the cloud, many enterprises have struggled with this digital transformation. Cloud data migration is fraught with business risks including disruption of critical business operations, risk of data loss, and overall project complexities that often result in cost overruns or failed initiatives.

Organizations need a data migration approach that reduces and eliminates these business risks. They need a solution that lets them maintain business operations, that can be performed easily, and that ensures a complete and continuous migration with zero data loss. WANdisco LiveData Migrator is that solution.

## What is WANdisco LiveData Migrator?

LiveData Migrator is a safe and reliable cloud migration solution that automates the migration of HDFS data to the cloud.

LiveData Migrator is fully self-service requiring no WANdisco expertise. It is entirely non-intrusive and requires zero changes to applications, cluster, node configuration or operation. Migrations of any scale can begin immediately, and be performed while the source data is under active change without requiring any production system downtime or business disruption, and with zero risk of data loss.



### Immediate

Users can easily deploy the solution and begin migration of data lake content to the cloud immediately. The solution is entirely non-intrusive and requires zero changes to applications, cluster, node configuration or operation.

### Live

Leveraging WANdisco's LiveData capabilities, data migration can occur while the source data is under active change, without requiring any production system downtime or business disruption supporting complete and continuous data migration.

### Scalable

LiveData Migrator is able to accommodate data migration at any scale, from terabytes to exabytes, and without any risk of data loss.

## Data Migration Business Risks

According to Gartner, over 60% of all database migrations fail because of the many obstacles that can disrupt the process. This is despite the fact that **nearly 70% of enterprises have started moving data to the cloud** as part of their digital transformation. Migrating large data volumes with traditional approaches, such as transfer devices or DistCp (distributed copy), requires disrupting the operation of on-premises applications and doesn't cater to data that is modified or created during migration. Reconciliation at scale is costly and does not guarantee a completely consistent data outcome. The overhead required to achieve non-disruptive, no-downtime big data migration is significant due to repeated scans, systems out of sync and manual intervention for anticipated failures and interruptions. WANdisco LiveData Migrator eliminates these business risks, and enables successful self-service data migration with no business disruption and best time-to-value.

## LiveData Migrator Capabilities

- **Simple deployment and self-service user experience:** Users are able to deploy the solution in minutes and begin migration of data lake content to the cloud immediately. It is entirely non-intrusive and provides true self-service capabilities
- **Hadoop & Object Storage:** Migrates HDFS data to other Hadoop-compatible file systems and cloud storage. LiveData Migrator supports all major HDFS distributions and cloud service providers including Azure, AWS, GCP, IBM and Alibaba.
- **Complete and Continuous data migration:** Migrates existing data sets with a single pass through the source storage system, eliminating the overhead of repeated scans, while also supporting continuous migration of any ongoing changes from source to target
- **Migration at Any Scale:** Migrates big data sets at any scale, from terabytes to exabytes, to cloud storage without needing to halt changes to the source data sets during migration
- **Selective Migration:** Administrators have full control over what is migrated from source to target
- **Immediate Availability:** Enables data to become immediately available for use in the target environment as soon as it has been migrated, without having to wait for all data set migrations to complete
- **Interfaces and API:** Migrations can be managed through a comprehensive and intuitive command-line interface, or from the self-documenting REST API, allowing users to track and monitor migration progress
- **Browser-Based UI:** Users can also take advantage of the optional management available from WANdisco's browser-based user interface and integration with cloud vendors' management interfaces

## LiveData Migrator Business Benefits

Self-Service Migration with Zero Business Disruption, Zero Risk and Best Time to Value

### Business Continuity

- No need for downtime of on-premises production clusters
- Immediate availability of migrated data
- High scalability and performance for migration at any scale

### Complete and Continuous Migration

- Data migration with single pass of source storage
- Ongoing migration of any subsequent data changes
- Ensures zero data loss of source data and changes

### Cost Avoidance / IT Efficiency

- Minimizes the need for IT resource involvement
- Automated migration without custom code maintenance
- Faster time-to-value and adoption of AI & ML

## Use Cases

### Adopt scalable cloud storage

Free your systems from capital constraints when acquiring storage hardware by leveraging cloud storage systems, including Amazon S3, Azure Data Lake Storage, Google Cloud Storage, Alibaba Object Storage Service and others.

### Cloud migration without downtime

Zero disruption data migration allows your users and systems to continue operating while migration is underway.

### Cloud analytics

Bring your on-premises workloads to the analytic tooling available in the cloud. Use systems like Databricks, Snowflake and Hadoop in the cloud without affecting your on-premises activities.

### Data lake consolidation

Unify your data silos in a modern architecture by bringing datasets to the cloud, and maximize your data investments by keeping information available to all users.

### Hybrid cloud enablement

Transition to a hybrid architecture where on-premises and cloud environments are kept continuously in sync using LiveData Plane for active-active replication capabilities.

### Multicloud enablement

Set the foundation needed for a future multi cloud strategy where your data remains accessible and active across multiple cloud environments by leveraging LiveData Plane for active-active replication capabilities.

## About WANdisco

WANdisco is the LiveData company. WANdisco solutions enable enterprises to create an environment where data is always available, accurate, and protected, creating a strong backbone for their IT infrastructure and a bedrock for running consistent, accurate machine learning applications. With zero downtime and zero data loss, WANdisco LiveData Cloud Services keep geographically dispersed data at any scale consistent between on-premises and cloud environments allowing businesses to operate seamlessly in a hybrid or multi-cloud environment. WANdisco has over a hundred customers and significant go-to-market partnerships with Microsoft Azure, Amazon Web Services, Google Cloud, Oracle, and others as well as OEM relationships with IBM and Alibaba. For more information on WANdisco, visit [www.wandisco.com](http://www.wandisco.com).



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