

Bitwise delivers the right combination of **Automation, Frameworks** and **Experience** to accelerate Cloud Migrations successfully

Data Migration Practice

Systematic approach for accelerated and seamless data warehouse migration

Accelerators

- Cloud Data Migration Tool
- Data Migration Framework
- CDC Framework
- Data Validation Framework

Cloud technologies help organizations transform their businesses with increased agility and access to the latest analytics tools, and there is no doubt that cloud adoption is growing quickly. As the cloud becomes the new normal, organizations are looking to accelerate their cloud adoption to remain competitive in their markets.

Without data there can be no analytics. With our Data Migration Practice, Bitwise leverages cloud native data migration services, in-house built automation tools, and ready-to go Data Migration & Data Validation Frameworks to help your business take advantage of modern analytics in the cloud faster than otherwise possible.

Bitwise Cloud Data Migration Framework

Bitwise can help expedite your data migration from legacy database applications to the cloud by using the best of breed technologies from the leading cloud providers and Bitwise in-built utilities to fill the gaps of cloud provider tools and services, providing a complete migration solution.

Most cloud platforms provide out of the box Data Migration and Database Migration services. Bitwise Cloud Data Migration Framework consists of utilities and tools that complements these cloud migration services and provides additional capabilities which may be unavailable with the cloud providers' services. Our framework helps to accelerate migration with reduced time and effort while ensuring accuracy of the migrated data.

Bitwise Cloud Data Migration Framework provides:

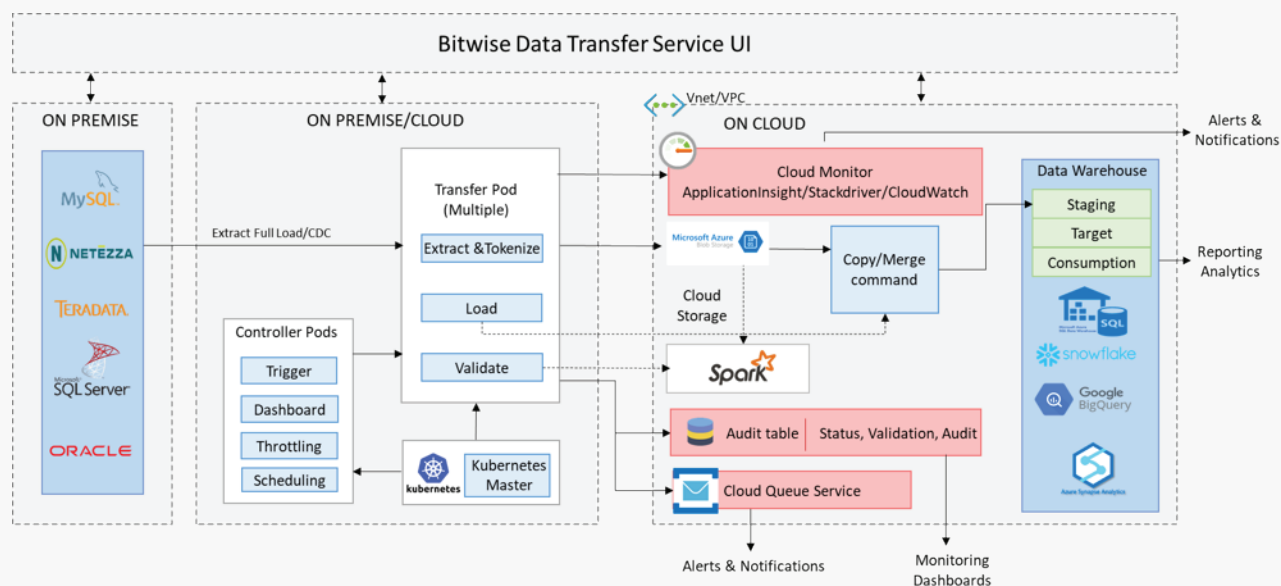
- Accuracy of migrated data with validations having Full & Sample Data Validation without extra load on source DB
- Scalable work loads for historical migration/data validations
- Fault tolerance and high availability with restart ability to avoid manual intervention during failure
- Throttling and elasticity for optimal load on source database and maximum extraction performance
- Monitoring Dashboards with graphical representation as well as detailed status in one go with statistics on total data transferred, current data transfer rate, etc.
- Protecting sensitive data through tokenization and masking techniques
- Overall validation and verification of the data

Common Database Tools Supported

Bitwise supports migration of any database to any database. Below are the most common tools and services that we support.

Legacy / On-Premise (Source)	Modern / Cloud (Target)
Teradata, Netezza, Oracle, Hadoop, MySQL, SQL Server	Synapse, Redshift, BigQuery, Snowflake

Data Migration Framework Reference Architecture



Data Validation Framework

Data Validation is a crucial task that often gets overlooked during migration. Bitwise's automated data validation utility helps perform Schema Validation and Data Validation during data migration from source to target.

- Automate Testing of **Relational, Flat Files, NoSQL, Cloud Databases**
- Support for **Full** and **Sample** Validation
- Support **Schema** Validation
- High **Performance** and highly **Scalable**
- Support for **Multiple database**
- **Comprehensive** comparison and summary **report**
- Support **Manual** or **Scheduled** execution
- **GUI, Command Line** Interface
- **Platform agnostic** (can be hosted on Windows, Linux, On-premises or Cloud)
- **Minimal** System Requirements

Why Bitwise for Data Migration

Accuracy of migrated data with validations

Accelerated migration with reduced time and effort

Operational Insights with Monitoring and Reporting

Seamless migration with minimal manual effort

Turnkey end to end solution

Flexible to migrate data from any source to any target

About Bitwise

Bitwise delivers technology solutions that leverage data to enable business insights. By deploying our breakthrough technology innovations, we help our global clients maximize their competitive advantage. We optimize value for our clients through our global-delivery model and with our proprietary technology tools that reduce the time, complexity, and cost of data initiatives. Together, our people and technology provide the insights clients need to continue to lead their fields. Bitwise has offices in Chicago, London, Pune and Indore.



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