



AUTONOMOUS WORKLOAD MIGRATION FOR LEGACY DATABASE.

Contact: success@blitzz.io

CLIENT OVERVIEW

A leading financial services organization dealing with credit card processing wanted to modernize their credit card application review system by migrating the application from a legacy Oracle database to an open source distributed database with minimum risk to ensure data quality and integrity.

OBJECTIVE

To effectively reduce friction in the current migration process and remove dependencies from legacy databases. Additionally, increase the availability of data to real-time access across various systems without affecting the current topology of the application stack.

SOLUTION

The Blitzz.io Autonomous Workload Migration solution was deployed for moving Oracle workloads to PostgresDB.

REQUIREMENTS

In an effort to migrate the workload from Oracle to the PostgresDB, the client needed the following\

- Automated schema and business logic translation including translation of complex stored procedures
- Fully parallel and distributed snapshot load from Oracle to the new target database
- Continuous transactional replication to keep both Oracle and new target database in sync; this enables the client to test both systems at full scale for several months
- Phased workload migration
- A migration assessment report by verifying the migrated schema and procedures

DETAILED SOLUTION

Blitzz used its automated workload migration tool to seamlessly convert the data and the business logic from a source Oracle database to a modern open-source distributed database. Blitzz was able to automate the following

- Schema and data migration.
- Continuous heterogeneous data replication providing sub-second latency across the two systems.
- Migration for 80% of the stored procedures and business logic.
- Data validation post-migration.

Using Blitzz, the workload migration was 10x faster over an otherwise manual effort, and Blitzz helped minimize the migration risk by performing data validation.

BUSINESS BENEFITS

- Reduced migration costs
- Reduced licensing costs
- Increased productivity for engineering teams
- No vendor lock-in
- Stronger data integrity and reduced risk of errors
- Built-in analytics and dashboard for reporting

