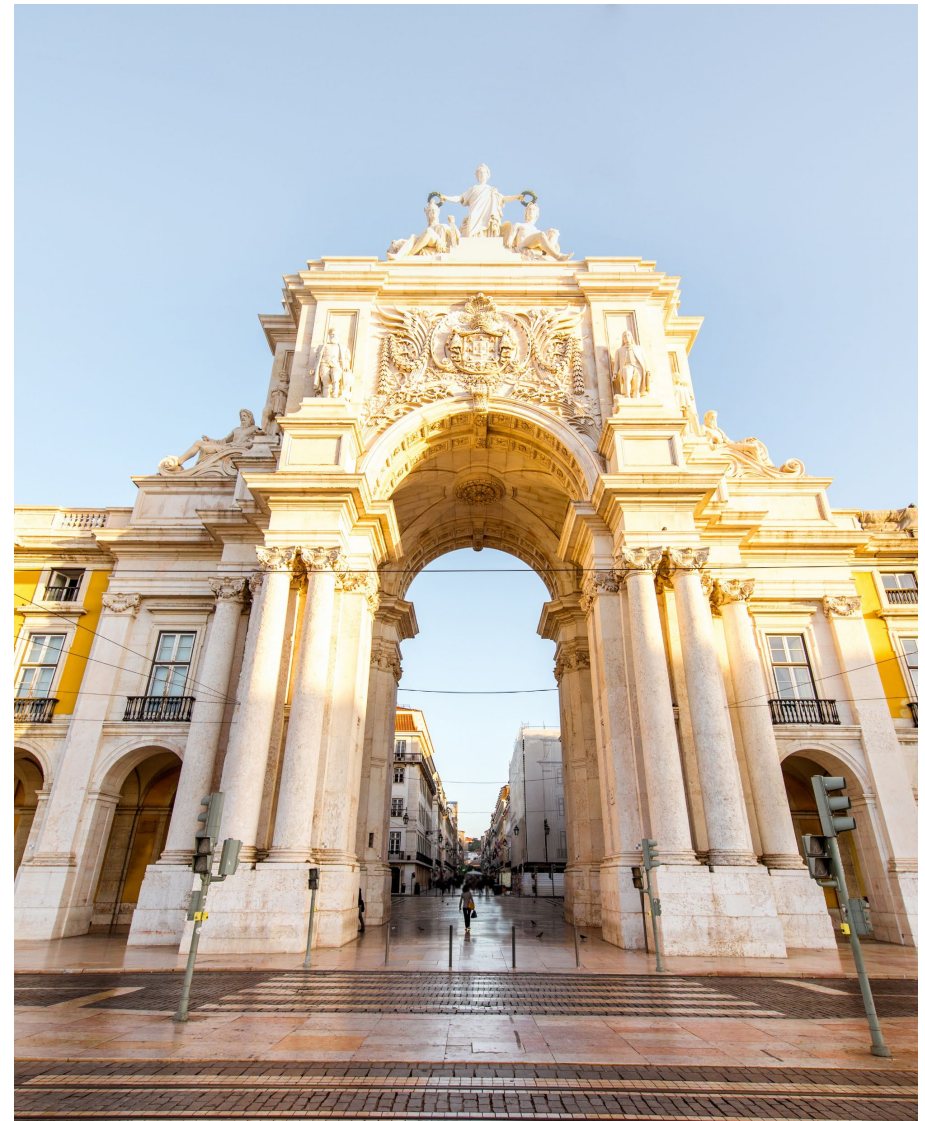




Case Study

# Infrastructure Engineering & Operations



## Key Results:

# Faster, efficient and controllable Infrastructure Operations

### Reduced amount of time to deploy serverless infrastructure

The InfraOps team can deploy serverless infrastructures in 1/3rd of the time.

### Customized compute optimized resources for processing Big data workloads

Delivered 2x amount of data needs per data engineer due to optimized compute.

### Deliver control and visibility with automated monitoring

Powerful automated alerts in real-time for scalable and resilient data infrastructures. Improved the operations SLAs by 93%.

### Reduced costs

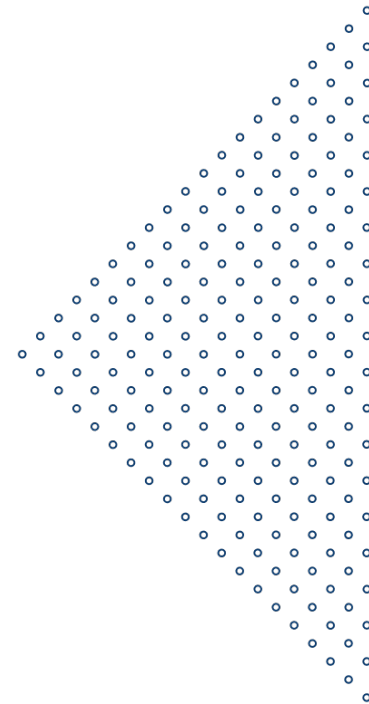
Our work to rationalize, consolidate and transform the workflows associated with these processes has helped the client reduce IT operations expense by more than 40%.

# Infrastructure Operations for a Large Financial Data Platform

A Large Financial Data Platform wants to improve compute, storage, performance, and middleware capabilities; and prepare these operations for migration to a next-generation data platform. This unified data platform will be the single source of truth for all dependent systems.

## Challenges:

- Tightly coupled infrastructure is impacting the onboarding of new products/features and is not feasible for scaling
- The bank's infrastructure has very minimal visibility; lacking reliability
- Lack of cost controls with a high number of orphan resources, and heavy usage of on-demand resources
- Managing vast amounts of data that is scattered across thousands of sources.
- Business is implementing hundreds of small cloud applications, with too much manual effort for spinning up new cloud data platforms; lacking automation



## Our Solution:

# Implementing a modern cost optimized architecture

- ✓ Implemented modern scalable architecture within the bank ecosystem working across multiple cloud providers
- ✓ Implemented monitoring and unified logging to optimize costs improving the visibility of the infrastructure
- ✓ Implemented Data Integration platform to monitor real-time changes
- ✓ Implemented IaaS (Infrastructure as Code) for all the cloud-native deployments as practice
- ✓ Implemented security routines for creating security groups, and restrictive ingress





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