

Multinational Investment Banker, Switzerland

Customer is a multinational investment bank and financial services company founded and based in Switzerland.

Business Objectives

Customer wanted to migrate few of their Investment Banking applications to Azure cloud platform. They had following business objectives with this engagement:

- Expedite the Bank's Cloud Adoption Strategy
- Achieve Technology Standardization aligned to customer's futuristic vision to remove legacy technology
- Realize scalability through Cloud Acceleration Team
- Consolidation, Standardization and Automation by Containerization, Integration with Enterprise Vault solution, Heterogeneous database migration from Oracle 11g DBaaS to PostgreSQL
- Accomplish near term and long-term Cost Savings coupled with effective visibility and control of costs

Challenges

- Legacy application
- Costly to maintain on-premise

Technology Spread

- Azure Kubernetes, Azure Container Registry (ACR)
- Application Gateway Ingress Controller
- PostgreSQL
- Azure Log Analytics, Azure Monitor
- Azure Key Vault, Azure Storage

HCLTech Solution

- PaaS first approach to manage operational overheads by containerization of applications to AKS and leveraging other Azure PaaS services and Azure DevOps
- Upgrade to latest Camel and Spring versions. Migrating from RHEL 6.x, 7.x to AKS Linux Container
- Establish Security best practices by securely storing and managing sensitive information such as keys, passwords, certificates by using HashiCorp Vault and Azure Key Vault
- DB migration from Oracle 11g DBaaS to Azure Managed PostgreSQL
- Setting up DevSecOps CI/CD Pipelines for faster and secure deployments using Azure DevOps and GitLab CI
- Deliver IaC (Infra-as-Code) through Terraform and Azure DevOps
- Application went through refactoring
- Scrum based agile with 5 – 8 member team to complete migration in 12 months.

Benefits

- Cost saving due to decommissioning of on-premise servers
- Zero downtime
- Scalable solution to suffice increased traffic
- Better monitoring & logging using Azure Log Analytics and Azure Monitor