

Summary Report



Case Study

Modernizing IT Landscape for a US-Based Finance Major

Client

The client is a US-based finance major serving as a global provider of equity, fixed income, and hedge fund stock market indexes. It also deals in multi-asset portfolio analysis tools, and environmental, social, and governance products.

Business Challenges

- ✓ Limitations in the IT landscape due to existing infrastructure and applications architecture.
- ✓ High maintenance and operational efforts in managing application workloads.
- ✓ Scalability issues while dealing with high-memory and resource-intensive applications.
- ✓ High latency and performance issues with applications/ databases.
- ✓ High cycle time from development to QA to production.
- ✓ High dependency on repositories, automation scripts, and on-premise tools.
- ✓ Use of disparate tools and technologies across the organization.

LTIMindtree Solution

- ✓ Designed a re-usable approach towards application and infrastructure migration leveraging Azure Cloud, along with a scalable DevOps ecosystem.
- ✓ Transitioned from monolithic applications to microservice-based architecture using 12-factor principles.
- ✓ Enforced security guardrails on infrastructure and application using firewalls, security groups, policies, hardened container images, role-bindings, etc.
- ✓ Developed a minimum-intervention DevSecOps pipeline with automated SAST, DAST, credential, and image scans to ensure a secure and robust deployment.
- ✓ Achieved zero downtime deployment and high availability using inbuilt and custom update and backup strategies.
- ✓ Created standardized, centralized, and automated infra and monitoring alerts.
- ✓ Implemented Service Mesh for application communication and distributed traffic to PODs with least-connection and load.
- ✓ Automated feed generation and processing using custom scripts and schedulers.
- ✓ Achieved one-click deployment and seamless rollback.



Business Benefits

35%

savings in operation and administration cost

High availability and improved security posture

Efficient provisioning of resources for setting up multiple environments in minimal time

Effective use of resources using scale up/ down of services on demand

Faster release cycles with end-to-end automated CI/CD pipelines

Reduced TCO and increased productivity and quality



Technologies Used

- ✓ Azure Cloud Platform: Azure kubernetes service, App Gateway, Azure VWAN, Cosmos DB
- ✓ DevOps Tools: Azure DevOps, Terraform, SonarQube, Checkmarx

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 81,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit www.ltimindtree.com.