CASE STUDY

SQUARESHIFT

Securing and Optimising Hybrid Cloud Monitoring for a Global Financial Services Firm with Elastic

3x
Snapshot Reliability

100%
Secure Trust Validation

>90 minutes
Snapshot Reliability

CLIENT

The client is a global professional services firm, which operates across a complex hybrid cloud environment including on-premises, AWS, and Azure.

GEO: India

FINANCIAL SERVICES

TECHNOLOGY STACK

elasticsearch
KIBANA
Azure
aws
Cloudwatch
docker

PROJECT CONTEXT

- The client required an assessment of the existing architecture, the establishment of a secure dedicated monitoring cluster, and a secure Docker-based Elastic Stack deployment.
- The project focused on resolving critical security, performance, and snapshot reliability challenges.
- Optimization was essential for Logstash pipelines, dashboards, and implementing best practices.

PROJECT OBJECTIVES

- Establish a secure, dedicated monitoring cluster.
- Resolve certificate-related security errors and configure TLS/SSL trust.
- Optimize cluster performance, snapshot reliability, and Logstash pipeline efficiency.

SOLUTION DELIVERY

- **Architecture & Security:** Built a secure monitoring cluster with Fleet/Agent policies & validated TLS/SSL trust relationships.
- **Performance:** Enhanced query speed and cluster stability through thread pool tuning and load optimization.
- **Data Resilience:** Implemented Snapshot Lifecycle Management (SLM) to prevent snapshot failures and ensure reliability.
- **Observability & Optimization:** Streamlined Logstash pipelines and integrated CloudWatch dashboards for unified monitoring.