



A 40+ year old American commercial bank upgrades its critical clusters from Elasticsearch 7.17 to 8.x

650 GB

Cross cluster replication

14

Node Cluster

27% ↑

Customer Transactions

CLIENT

The client is a 40+ year old large American commercial bank

The bank has over 1 billion in revenue and has operations over APAC, Europe, Middle East and Canada

AT-A-GLANCE

Challenges

- Lack of experience with Elasticsearch and Ansible
- No support from Ansible to upgrade to Elasticsearch 8.x
- Lacked expertise in security requirements and vulnerabilities detection.

Solution

- Used Elasticsearch and Ansible, to certify Ansible playbooks for 8.x version upgrade.
- Helped evaluate Terraform and ECK support for the client
- Solution included upgrading Elasticsearch 7.17 to 8.x

PROJECT CONTEXT

The client was using on-prem to manage critical search workloads on customer transactions.

They were using Ansible playbooks to manage the cluster on Elasticsearch 7.17 but Ansible support stopped at 7.17 and hence couldn't use Ansible to upgrade to 8.x version.

PROJECT OBJECTIVES

- Upgrade Elasticsearch clusters from 7.17 to 8.x
- Upgradation should meet baseline security requirements and mitigate known vulnerabilities identified in 7.17 version
- Expert guidance to evaluate Terraform and ECK support

SOLUTION DELIVERY

- The client was able to certify Ansible playbooks for the 8.x version with help of SquareShift's experience with both Elasticsearch and Ansible.
- The upgrade helped the client to meet its baseline security requirements and mitigate known vulnerabilities identified in 7.17 version.
- Provided expert guidance on strategic solutions, evaluated Terraform and ECK support and helped the client migrate out of Ansible.

TECHNOLOGY STACK

