

Elasticsearch performance and availability improvement for a global financial services conglomerate.

24**Node Clusters****718+****Indices Migrated****20 point****Health Check**

CLIENT

The client is a 170 year old multinational financial services organisation that provides money transfer services to every country on Earth.

The client IT infra needs to support 500,000+ agent retail network and 25 million+ monthly web & app visitors.

PROJECT CONTEXT

The client experienced persistent availability and performance issues for its critical 24 node and 718 indices Elasticsearch cluster.

This client's product team needed expert consultants to perform Elastic health checks, identify the root causes and improve availability and performance issues, as well as fix other issues that may be identified during health check exercises.

PROJECT REQUIREMENTS

- Perform detailed health checks on Elasticsearch clusters to identify the areas for performance improvements.
- Improve Elasticsearch cluster performance and availability
- Migrate all the nodes and clusters needed from legacy index templates to the latest component-based index templates

SOLUTION DELIVERY

- Performed a detailed 20-point health check on all indices.
- Performed root cause analysis and analysed cluster stats to identify root causes that led to performance issues.
- Provided strategy for migration from legacy index templates to latest component-based index templates

TECHNOLOGY STACK

