



# Performance optimisation of Elasticsearch clusters after migration from AWS to GCP for a largest matrimonial match making portal in Asia.

**47 Node  
Cluster**

**90,000  
Requests/second**

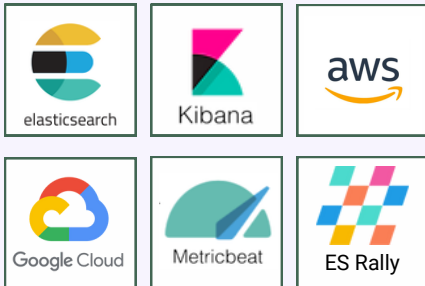
**2x Better  
response time.**

## CLIENT

The client is leading provider of online matchmaking services to the Asian diaspora across the world.

The client enables their services through websites and mobile apps with more than 35 million satisfied users.

## TECHNOLOGY STACK



## PROJECT CONTEXT

The client had implemented self-hosted Elasticsearch to support search on its web portal and mobile apps.

The client migrated self-hosted Elasticsearch from AWS to GCP. This migration was carried out by in-house team.

## CHALLENGES

- The new setup faced performance issues post-migration of Elasticsearch clusters from AWto GCP.
- The in-house team lacked expertise to resolve the issues and sought external expert Consultation.

## SOLUTION DELIVERY

- SquareShift offered broader expertise across cloud providers to identify root cause and resolve the issue.
- SquareShift team compared previous AWS and current GCP hardware setup configurations & recommended optimum hardware configurations to run Elasticsearch on GCP optimally.
- Capacity planning based on the benchmarking to support 47 Node cluster with 90,000 search queries per second .
- Query response time improved more than 2X after the resolution.