Google Kubernetes as a Service

As a lead transformation partner for Equifax, TCS was entrusted to build a world class secured infrastructure alongside Equifax to run core applications on top of shared Kubernetes clusters by leveraging its contextual knowledge and technical acumen.

The challenge

Equifax's core product services were Java applications running on multiple virtual machines, which presented a number of challenges - scalability and maintenance costs, higher time to market and insufficient operational insights. The corporate strategy to migrate and decommission the on-prem data center acted as a catalyst to modernize their existing IT landscape with paramount focus on security.

The solution

TCS and Equifax pioneered a cloud native Infrastructure solution by leveraging managed Kubernetes deployment using Terraform with least privileged access policies, microservice architecture with namespace partitioning for applications. TCS helped in bringing agility in deployment by implementing DevOps. BigQuery and Data Studio were used to gain operational insights for infrastructure reliability.

The results

Enablement of Kubernetes with Site Reliability Engineering patterns allowed Equifax to achieve more than 99.8% reliability and service availability. Blueprints were created to display cluster deployment via Infrastructure as a Code for midrange server migration in containers. Equifax gained vital insights on services leveraging enhanced operational monitoring, boosting scalability and security.

> **"** Well done to TCS and Equifax team on the progress. This when launched is key to the cloud migration and Warwick exit - so vastly important work thank you. **"**
>
> Jamie Smith, Head of Delivery, Equifax UK

About Equifax Limited

As a global data, analytics, and technology company, Equifax plays an essential role in the global economy by helping financial institutions, companies, employers, and government agencies make critical decisions with greater confidence. Headquartered in Atlanta, Equifax operates in 24 countries with more than 11000 employees worldwide.

Industry: Financial Services

Primary project location: United Kingdom

About Tata Consultancy Services LTD

TCS Google Business unit offers full-stack services across the cloud, working with customers to modernize, transform and grow with Google Cloud.

Products

Google Cloud Platform