

Modernizing Business Applications for a Leading Telecommunications Provider

Overview

In response to the escalating demands of the telecommunications landscape, it has become imperative to revolutionize traditional business applications. This initiative not only addresses the pressing business needs but also strengthens scalability and resilience within the dynamic industry. The focal point is the infusion of flexibility into the cloud infrastructure, aligning seamlessly with the expansive nature of the business.

Client Background and Challenge

The customer is a prominent provider of broadband and telecommunications services, endeavors to furnish accessible, top-tier internet services to the communities it serves.

Key challenges encompass the imperative to swiftly scale operations to meet burgeoning demands and fortify disaster recovery capabilities. Among these challenges are the time-intensive process of scaling up business applications, the implementation of auto-scaling for optimal workload management, the integration of third-party tools for monitoring and backup, and the pressing time constraints leading up to the go-live date.

Our Approach and Solution

Our innovative solution involves the establishment of Google Cloud Platform (GCP) landing zones, equipped with meticulously designed data routing connections. This facilitates seamless communication between data centers, corporate headquarters, and third-party tools. Our comprehensive infrastructure workloads include GKE clusters, Cloud

SQL, and global load balancers. Through meticulous automation of application deployments and data migration from data centers, we harnessed the power of Google BigQuery for data warehouse modernization. To ensure end-to-end business continuity, our approach includes cloud operations support, encompassing robust data backup and restoration procedures, all while maintaining a keen focus on cost/resource optimization.

Business and Community Impact



Business application scaling time has been slashed by an impressive margin through an exclusive reliance on cloud infrastructure.



Enabled the organization to build and accelerate the cloud deployments through agility.



A remarkable reduction in service downtime was achieved through the implementation of a high-availability environment.



The resulting application architecture stands out for its high scalability and flexibility, effortlessly accommodating the inevitable growth of the business.



Cloud management services and modernization of workloads to optimize the cloud environment.

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