Charter Global

CASE STUDY —

Migration from On Prem to Public Cloud

Introduction

The client is a multinational telecommunications company headquartered in the United States. It ranks as the third-largest telecommunications company globally in terms of revenue and is also the third-largest provider of mobile telephone services within the US. It offers a wide range of services to its customers, including Internet, Direct TV, and calling services.

The company's IT team is consistently focused on improving products and processes, generating data reports for executives, and initiating new projects. Currently, it manages over 500 applications on an On-Premise Hadoop cloud environment. However, due to cost inefficiencies and limitations associated with the On-Premise cloud setup, it has decided to migrate its operations to the Azure Public Cloud, utilizing it as an Infrastructure as a Service (IaaS) solution.

Challenges

Creating an optimal solution presented several challenges, including:

• Migrating and transferring data effectively (lift and shift).
• Designing the solution based on a framework to prevent code redundancy.
• Ensuring minimal retraining for the operations team.

Solution Approach

The client enlisted Charter Global's services to leverage their expertise in Azure Cloud solutions. Charter Global successfully crafted and implemented a comprehensive strategy for migrating data/code and managing process scheduling jobs. The technology stack used encompassed Azure for Compute, Network, Storage, and Database requirements, while Databricks was employed for data engineering and ML pipelines. Additionally, Palantir played a pivotal role in establishing a data golden layer, adhering to the acclaimed Medallia Architecture standards.

Results & Conclusion

Each application underwent migration within a strict timeframe of 3 weeks per application. During this migration, there were no changes made to the support process of the Operations/Sustainment team.

The expert team at Charter Global utilized the most advanced technology stack, industry standards, and design principles to develop an exceptionally efficient and scalable solution.

Why Charter Global

• Founded in 1994; Headquartered in Atlanta, GA with development centers in the U.S, India, and Serbia.
• Developed a portfolio of over 100 successful project implementations.
• Nearly 1000 full-time IT professionals support client projects.
• Established customer base of Fortune1000 industry leaders.
• Our experience spans pharmaceutical, manufacturing, telecom, finance, health care, media / entertainment, airlines, energy, retail and hospitality industries.
• Active database of nearly 2M consultants.
• Experienced Talent acquisition teams support client projects.

About Charter Global

Charter Global drives innovation in IT projects and business operations by defining strategy and providing consulting, digital solutions, custom development, and skilled resources. With an established customer base of Fortune 1000 industry leaders and over 100 successful project implementations, our experience and proven methodologies enable our professionals to deliver industry leading solutions in cloud technologies, open source, DevOps, mobility, CRM, AI/ML, AWS, SAP, Microsoft & Pega BPM.