Carrefour Belgium - Global Cloud Infrastructure Design and Build

Kyndryl was in charge of providing more flexibility and agility in the store IT. Kyndryl co-designed and implemented the Google Cloud Infrastructure including the security, performance analysis, testing, and validation of the entire environment.

The challenge

Carrefour wanted a hybrid cloud approach to ensure that being prepared for future business goals, with final goal to be 100% in Google. Kyndryl was in charge of developing and implementing a plan to migrate workloads and data running in the Kyndryl data centers to Google Cloud with minimal business disruption as well as centralize store IT services in Google Cloud and provide ongoing management.
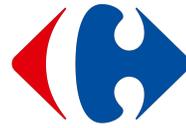
The solution

The initiation and configuration of all Google Cloud resources (VMs, firewall rules, DR, etc.) were automated and tested using an "Infrastructure as Code" approach based on Ansible™. The data was migrated from Kyndryl datacenter and local store locations to IP4G, GCVE and Compute Engine. Disaster recovery was automated using "Infrastructure as a code" and security policies were implemented.

The results

Kyndryl co-designed and implemented Google Cloud environment including Google Compute Engine and Google Cloud VMware Engine among other Google Cloud products. A modular, secure and scalable landing zone was built, and various compute resources were provisioned. As a result, Carrefour integrated their business operations enhancing their store and central IT operations enhancing customer experience.

> " "The whole orchestration around it — creating that infrastructure based on code scripts — pressing the button and having the store online is essential to our operations. We also have the elasticity and flexibility that a cloud environment brings, allowing us to onboard new services for our customers - creating more delightful experiences." "
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> Stijn Stabel, Chief Technology Officer, Carrefour Belgium

About CARREFOUR

Carrefour is a French group, and a leading global retailer for 60 years with over 321,000 employees throughout the world. With turnover of almost €80.7 billion in 2019, over half of which was generated outside France. Today Carrefour has 12,225 stores in over 30 countries, reaches some 104 million households a year worldwide.

Industry: Retail & Wholesale

Primary project location: Belgium

About Kyndryl, Inc.

We design, build, manage and modernize the mission-critical technology systems that the world depends on every day.

Products

Google Cloud Platform