CASE STUDY

NTT-Netmagic helps Jagran New Media automate infrastructure provisioning using Google Cloud

Overview

A leading Indian publishing house, Jagran New Media (digital wing of Jagran Prakashan Limited) is listed on the Bombay Stock Exchange and the National Stock Exchange. The company's existing infrastructure was segregated and hosted at multiple locations. The management wanted to consolidate and optimise its entire infrastructure in a single location for easier management and monitoring. Simultaneously, it also wanted to modernize its IT infrastructure by using Devops practices.

NTT-Netmagic carefully studied and evaluated the firm's existing IT infrastructure, and suggested Google Cloud as the ideal platform that could handle future growth. Today, the cloud platform provides Jagran New Media with unmatched flexibility and dynamic scalability. Due to the entire infrastructure being built on Google Cloud, the infrastructure scales automatically to match the peaks caused by end user demands. The move to Google Cloud has enabled the firm to support continued growth and diversification into new services.

Customer profile

One of the leading Indian publishing houses, Jagran New Media (digital wing of Jagran Prakashan Limited) is listed on the Bombay Stock Exchange and the National Stock Exchange, and owns iconic brands such as the Dainik Jagran , Mid-Day and Radio City 91.1 FM. Dainik Jagran is an Indian Hindi language daily newspaper which is the largest read newspaper in India and the largest newspaper in India by circulation as per Audit Bureau of Circulations (India). Mid Day is a morning daily Indian compact newspaper published in Mumbai, Pune and Bangalore.

The challenge

Jagran New Media's existing infrastructure was segregated and hosted at multiple locations. The company wanted to consolidate and optimise its entire infrastructure in a single location for easier management and monitoring. Additionally, it also wanted to improve efficiency of its IT infrastructure by using automation and Devops practices. The company was looking for the expertise of a specialist provider who could help it consolidate and simplify the management of its IT infrastructure from a central console.

Solution

Since Jagran New Media was already using many Google application services, it wanted to consolidate all infrastructure on the Google Cloud Platform. As a Google Cloud partner, NTT-Netmagic got the opportunity to help the company on the cloud journey and provide extended consulting and skill hand support for initial setup and best practices adaptation.

Initially, NTT-Netmagic, did a POC along with performance testing to find tune the infrastructure sizing requirements. NTT-Netmagic also did a brainstorming exercise with the application development team and evaluated the requirement of the application infrastructure with respect to RAM, Storage and IOPS requirements.

After a detailed evaluation, NTT-Netmagic proposed that the production, development and UAT environment will be deployed on Google Cloud in a phased manner. To ensure IAM isolation, three different folders for Development, Production and QA environment was proposed. The firm used shared VPC for common network which ensured central network and security policy management. Data was migrated using GCP native tools.

Benefits

Today, as the entire infrastructure is built on Google Cloud, the infrastructure scales automatically to match the peaks caused by end user demands. The move to Google Cloud allowed Jagran New Media to support continued growth and diversification into new services. It could also automate many operational activities (such as snapshot creation) by using the power of the cloud.

The solution was deployed using a strong combination of Netmagic services and Google Cloud platforms services, which included Google Compute Engine, Cloud DNS, Cloud Load Balancer, Google Stackdriver, Google Cloud IAM and Google Cloud Shared VPC.

The Google Cloud Platform provides unmatched flexibility and dynamic scalability which ensures that Jagran New Media gets a robust and scalable storage environment to manage data and applications and meet future projections. The solution also meets business needs optimally without worrying day-to-day provisioning, transient workload spikes, scalability, performance and security. The Google Cloud platform also enables Jagran New Media to simplify its long term scalability requirements with respect to changing customer expectations.

"NTT-Netmagic along with Google Cloud Platform have given us a well architected design to cater to our business application requirements. They have managed to deploy and secure the infrastructure on time with excellent agility, performance, convenience and cost-effectiveness for our cloud-based hosting requirements. NTT-Netmagic also enabled us with advanced and precise monitoring capabilities which helped us deploy additional resources when necessary."

**- Ravi Kumar, IT Head,
   Jagran New Media**

Moving to GCP has enabled Jagran New Media to significantly reduce the footprint of infrastructure hosted by them prior to this transformation, thus, enhancing infrastructure agility and improved viability to business.