Gatsby - Running Containers At Scale With GKE

Zencore worked with Gatsby to manage the GKE infrastructure by having direct visibility into logs, metrics and resources, in order to help troubleshoot and prevent issues from happening.

The challenge

Gatsby has to manage multiple environments, with a mix of trusted and untrusted workloads as they offer features for customers to run their own code within Gatsby Cloud. They also have to provide build, deploy and hosting services to a variety of customers, from free to enterprise levels, while preserving speed, cost efficiency and building for scale.

The solution

Zencore assessed the environment and helped manage a multi GKE cluster environment. Zencore helped create the mapping between product tiers and specific machine types and node pools. The solution included gVisor for sandboxing and security, a review of IAM permissions and committed used discounts. Finally Zencore helped with the Cloud Run on Anthos implementation offering the functions framework

The results

The implemented solution increased performance for the higher tiers, decreased total cost on Google Cloud, enhanced capacity to scale and leverage features like autoscaling in GKE which ultimately helped support the launch of Gatsby 4, the best option to build and deploy modern websites

> "From providing architecture advice to jumping in and troubleshooting with us, the Zencore team has been here every step of the way to support us and provide high quality managed services on Google Cloud. Their partnership has been crucial to our success on the platform and I would highly recommend them to anyone operating on Google Cloud"
>
> Zack Urlocker, CEO, Gatsby

About Gatsby Inc

Gatsby enables developers to build fast, secure, and powerful websites using a React-based framework and innovative data layer that makes integrating different content, APIs, and services into one web experience incredibly simple.

Industry: Software & Internet

Primary project location: United States

About Zencore Group, LLC

Google Cloud Premier Partner created by ex-Google Cloud architects and engineers. We are specialized in managed services and complex migrations.

Google Cloud
Partner

Products

Google Cloud Platform