

Kajeet Engineers Private LTE Solution with Google Anthos & GKE

GS Lab | GAVS partnered with Kajeet to engineer its 5G solution using Google Anthos and tailored Aether's deployment using Google Cloud Platform.

The challenge

Kajeet's Private network core was enabled by Aether, a widely recognized open source private 5G platform, and Google Anthos was their preferred choice for Edge management. Kajeet needed an engineering partner who had expertise across both these technologies, could customize Aether and deliver the flexibility & ease of management.

The solution

GS Lab | GAVS implemented Kajeet's 5G solution based on the opensource Aether Platform on GCP. For Edge deployment, we leveraged Google Anthos simplifying the multi cluster deployments. We have deployed the Aether platform on GKE using Fleet Management service and used Single Route IO virtualization (SR-IOV) Container Network Interface (CNI) plugin for User Plane Function (UPF) deployment.

The result

Kajeet offers customizable PrivateLTE solutions using Aether and GCP for education and industries. Anthos played a pivotal role in overseeing Edge clusters efficiently, while Anthos Config Sync streamlined Aether component deployment. Leveraging GCP tools, Kajeet has accelerated development with an efficient CI/CD pipeline.

We successfully integrated Aether APIs with the Kajeet IoT platform (Sentinel), supporting hundreds of radio devices and accommodating thousands of User Equipment with high-speed data plane capabilities. Anthos manages Edge clusters while Anthos Config Sync ensures scalable and controlled configurations.



About Kajeet, Inc.

The Kajeet mission is to connect the world for good. To do that, it provides its customers multi-carrier wireless connectivity, data-driven insights, private wireless networks, and management tools and do it with a level of service that provides everything the customers need.

Vertical/horizontal solution:

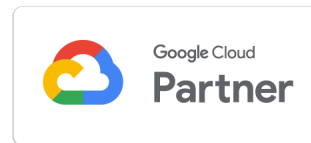
Telecommunications

Primary project location: United States



About GAVS Technologies Private Limited

GS Lab | GAVS offers digital product engineering, AI-led managed services and digital transformation to healthcare, BFSI and Hi Tech customers.



Products

Google Cloud Platform