

Delivery Hero - building a scalable 'DataHub'

Helped Delivery Hero reimplement the orchestration layer of DataHub, their scalable data mesh that provides the necessary infra, tech stack, and governance to make PBs of data accessible in real-time with high interoperability, security, and quality.

The challenge

As a pioneer in the food delivery industry, Delivery Hero wanted to turn the petabytes of data it collected into useful insights to improve customer experience. Much of the data team's time, however, was spent finding answers to fundamental questions around data quality, access, ownership, compliance, and security. They needed a universally understandable, accessible solution.

The solution

Aliz delivered GCP foundation architecture/infra as code, plus training and know-how transfer. Solution centered around business unit projects provisioned by Terraform. To be able to provision Airflow instances in a self-service manner, a Kubernetes operator was created. Customer can use CRDs to deploy/decommission instances. Solution contains significant integration effort with 3rd-party APIs.

The results

The reimplemented solution makes creation of new business units and Airflow instances easier. CI/CD pipeline provides reproducible results and helps detect faults earlier due to automated testing. Operator takes care of provisioning the necessary 3rd-party resources like Cloudflare Access and TLS certificates. It takes about 60 seconds to provision a new instance. The solution is highly scalable.

Thanks to the reimplemented solution, it now takes only an estimated 60 seconds to provision a new instance and the solution is highly scalable.



Delivery Hero

About Delivery Hero

Delivery Hero is the world's leading local delivery platform, operating in more than 50 countries across Asia, Europe, Latin America, the Middle East and North Africa. Delivery Hero is pioneering quick commerce, the next generation of e-commerce.

Industry: Software & Internet

Primary project location: Germany



About Aliz Tech GmbH

A proud Google Cloud Premier Partner, Aliz helps businesses face the future by building data, infrastructure and automation solutions on Google Cloud



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