

Case study

Individual Landing Zone



Challenge

Regarding different demands coming up from various geographies of the customers units including customer's group wide compliance and governance policies, a fully automated solution was required, which should guarantee the provisioning of all shared and global services.



Benefit

Telekom Google Cloud experts build a fully automated Landing Zone in an agile manner while respecting all professional as well as cultural aspects. The new solution consists of a secure environment including an established Partner interconnect and general network design, encryption management, a designed IAM and organizational structure, monitoring and logging and guidelines for privacy and data protection allow the customer to start security assessments.



Google Cloud solutions

Compute

- Compute Engine

Networking

- Partner Interconnect
- Cloud Router
- VPC
- Cloud NAT
- Cloud DNS

Infrastructure automation

- Cloud Build
- Cloud Run
- Cloud Functions
- Source Repository
- Cloud Firestore

Identity management

- Cloud Identity
- GCDS
- Cloud IAM

Data analytics & Data warehouse

- Pub/Sub
- BigQuery

Monitoring and Logging

- Cloud Logging
- Cloud Monitoring

Security

- Cloud KMS
- Secret Manager
- Cloud ResourceManager





Case study

Security with automation-first



Challenge

The customer faces the challenge to secure all systems and services running on GCP. For monitoring and to prevent vulnerabilities, internal and external resources should be verified continuously.



Google Cloud solutions

- Cloud Scheduler
- Cloud Build
- Cloud Source Repositories
- Secret Manager



Benefit

With the new Telekom provided solution new resources are identified and labeled with the correct Asset information to the security scanner automatically. The sources of errors now are reduced and the solution can be extended with further features on demand.



Case study

Infrastructure modernization with cost optimization



Challenge

New customized solution, adapted to new requirements of the market should replace the old monolith infrastructure, which takes a lot of efforts to maintain including an on-prem hosted content management system. The transformed solution should keep operational cost as efficient as possible.



Google Cloud solutions

- Compute Engine
- Kubernetes Engine
- Cloud Filestore
- Cloud SQL
- Cloud Storage
- Firebase
- Stackdriver



Benefit

The new solution, based on event-driven cloud native API-first structure using Google technologies, brings in scalability and reduces running cost and operating time through automated processes. The streaming platform now becomes a competitive one with increased reliability and improved usability.

