

Deutsche Telekom Data Strategy Modernization with the help of GCP

T-Systems supports the customer by providing consultancy on IaC with Terraform, a multi-tier hierarchy setup, security, network configurations, and DevOps best practices while building a new data strategy modernization with the help of GCP.

The challenge

Data strategy modernization implies creating a new data platform where data is a central source of truth. The aim is to build a unified data platform, where data governance is baked inside and defines the whole architecture, which includes an integration with the corporate network and compliance frameworks as well as onboarding for different value streams and application teams.

The solution

T-Systems supports Deutsche Telekom AG in building a new multi-tier data platform on GCP, which helps them to decouple the dependencies between Google Cloud services and innovate with the changing technological landscape. The entire platform is built with the help of engineering simplified processes like Infrastructure as Code, IAM as Code, and automated deployments using CI/CD & MLOps pipelines.

The result

A horizontally scalable data platform has been built based on data centralization and data usage decentralization concepts. It includes all necessary data ingestion/transformation, and data optimization capabilities with a unified and simplified IAM experience. This enabled a fast onboarding and an easy integration of different initiatives, allowing to explore ML and GenAI capabilities (Gemini).

“ We ventured into building a serverless data ecosystem by streamlining ingestion and engineering simplified processes, where data is a central source of truth, while data usage is being decentralized. We brought everything into a single data platform to reduce cross-platform dependencies. We picked Google Cloud as we wanted a unified Data & AI ecosystem for different business needs and sovereignty. ”

Ashutosh Mishra, VP of Data and AI



About Deutsche Telekom

Deutsche Telekom AG has around 200.000 employees worldwide and a presence in more than 50 countries. It is Germany's 1st most valuable brand and the most valuable Telekom brand worldwide. It consists of many subsidiaries like DTIT which provides IT services and T-Systems with its experts in various business domains including cloud consulting.

Vertical/horizontal solution:

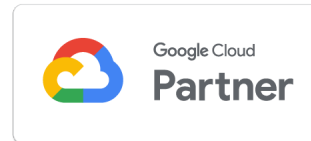
Telecommunications

Primary project location: Germany



About T-Systems International GmbH

With individual multi- and hybrid-cloud solutions, we offer opportunities for more growth and sovereignty in the development of new business models.



Products

Google Cloud Platform