

Fully automated Data Lake infrastructure

METRONOM has partnered with b.telligent to conceptualize and develop a cloud-native Digital Analytics solution with a Data Lake as key element built on Google Cloud Platform.

The challenge

At the time METRO's BI landscape included large-scale on-premise enterprise DWH and an on-premise Hadoop cluster. A strategic decision by METRO to adopt cloud-native approach has laid a foundation for a Digital Analytics solution. With the company's global footprint and regulatory requirements in mind, the Data Lake needed to be highly scalable & deployed in a consistent and repeatable fashion.

The solution

The Data Lake, as major part of the Digital Analytics solution, has been split into areas (e.g. raw), view layers, and further by country and stage. Data for every combination has been organized into pre-configured Google projects with BigQuery and Cloud Storage services. Supported by Terraform and Terragrunt, b.telligent has developed a generator for permission and BigQuery dataset management.

The results

The customer's Data Lake, that was implemented on GCP, has been widely adopted in the organization, with all countries and departments relying on it as single source of truth for advanced analytical use cases. The platform's capabilities provide METRONOM with consistent and repeatable workflows for Data Lake management, meeting security requirements in its multi-faceted environment.

“ b.telligent's in-depth know-how has been essential in building the cutting-edge Data Lake on Google Cloud Platform. ”

Marko Schwob, Domain Owner Analytical Platform Engineering



About METRO-nom GmbH

METRONOM GmbH is the tech unit of METRO, a leading international wholesale and food specialist company. METRONOM provides customized IT services and IT solutions for all METRO countries worldwide.

Industry: Retail & Wholesale

Primary project location: Germany

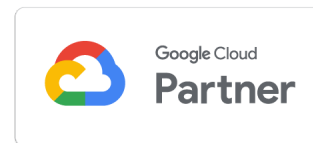


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About b.telligent GmbH & Co. KG

Technology-independent consultancy specialized in BI, DWH, big data, data science and cloud technologies, serving 300+ customers in Europe since 2004.



Products

Google Cloud Platform