METRONOM GMBH

Evolution of Ingestion Pipeline

METRONOM has continued the collaboration with b.telligent to evolve microservices built around Data Lake on GCP.

The challenge

The existing Ingestion pipeline enabled METRO's countries and verticals to ingest data into Data Lake build on BigQuery (incl. AVRO schemas stored in custom Schema Registry). However, advanced security features - GDPR, BigQuery view layers and row-/column-level access - needed to be added to meet regulatory and compliance requirements.

The solution

b.telligent supported METRONOM with a conceptualization of GDPR and Security REST-enabled microservices for Data Lake's Ingestion pipeline. GDPR microservice allows for masking and deletion of PII data based on column-level metadata in Schema Registry. Similarly, security features - authorized views and row-/column-level security - allow for granular user access permissions to sensitive data.

The results

b.telligent's consulting support has paved the road for the addition of crucial security features - GDPR, BigQuery view layers, and row-/column-level access. These have further accelerated the adoption of the Ingestion pipeline by METRO's countries and verticals. Re-using microservices patterns has decreased development times while significantly improving time-to-deploy and code quality.

> " b.telligent's support on continuous improvement has payed-off in high satisfaction with the Data Lake platform of our analytics users. "
>
> Marko Schwob, Domain Owner Analytical Platform Engineering

About METRONOM 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

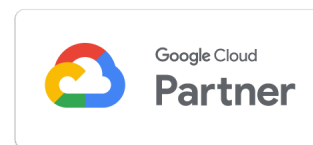Primary project location: Germany

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About b.telligent GmbH & Co. KG

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

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