



Dagrofa

CASE STUDY 2022

Optimizing Big Data Analytics For Denmark's Largest Food Wholesaler

📍 NORTHERN EUROPE


SPECIALIZATION
Cloud Migration
Google Cloud


SPECIALIZATION
Machine Learning
Google Cloud

alix



We are a Google Cloud Partner, delivering data analytics, machine learning, and infrastructure solutions, off the shelf, or custom-built on GCP using an agile, holistic approach.

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Objectives

Dagrofa's legacy system of an unwieldy combination of Dell Boomi and Google App Engine was in need of modernization. Data pushed to the system via a large amount of messages was processed out of order, data consistency was damaged, performance was compromised, and costs were running too high.

Solutions

"In a 6-month project, Aliz replaced GAE processing with a Dataflow pipeline. Our solution batches messages before processing and reorders them in sliding windows. By only allowing one query per window, reducing duplications in the resulting data, and optimizing post-processing, we were able to cut costs significantly.

Despite parallelism, the new solution provides consistent and correct data at all times. Used with 25 different types of entities, Aliz's new solution is a valid source for all of Dagrofa's data consumers and serves as the basis for automated analytical solutions."

Business Value

The newly implemented solution makes Dagrofa’s data more reliable, enabling accurate comparisons and trend analysis for decision-making. By lowering the number of queries and duplicate data while also optimizing processing, we were able to cut Dagrofa's costs by 35%.

Challenges

- Optimize data ingestion and processing
- Increase data correctness to support decision-making
- Drive down costs by optimizing data management operations

Results

35%
reduction in data
management costs

Reduce
queries and duplicate
data

Enhance
the consistency & correctness of data