

CASE STUDY

**Use Data-Powered Solutions
to Solve Inventory Challenges**

 TAILORED BRANDS[®]
softserve

Learn how we combined existing solutions with GCP products to deliver a unified view of store orders for Tailored Brands

Our client

Tailored Brands is a leading omni-channel specialty retailer of menswear, including suits, formalwear and a broad selection of business casual offerings. Tailored Brands helps its customers look and feel their best by delivering personalized products and services through its network of stores and e-commerce sites. The company is headquartered in Houston, Texas, with additional corporate offices in Fremont, California.

Business case

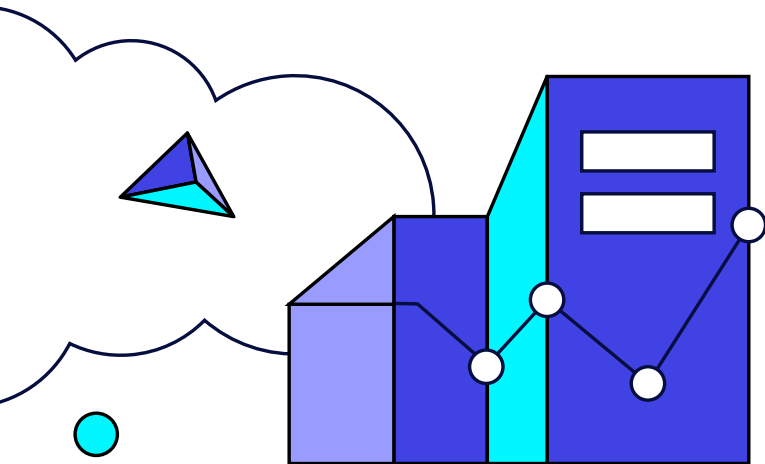
Tailored Brands executed a project to integrate information about online orders and

inventory needs with existing on-premise systems. In the initial landscape, our client used an on-premise suite of inventory management, point-of-sale, and customer engagement tools from Manhattan Associates aside with Talend tools for data integration.

Our client was transitioning to a GCP-based product from Manhattan Associates known as Manhattan Active Omni and wanted to reduce maintenance complexity by migrating Talend data pipelines to more high-throughput and scalable infrastructure.

The integration effort included interactions between various on-premise systems and bi-directional communication between on-premise systems and GCP based Manhattan Active

Omni. The project has been catered to the business need to have a unified view of online and physical store orders.



Key technologies

Cloud Dataflow was used as the main data integration tool to communicate between on-premise systems and GCP-based Manhattan Active Omni. Google Cloud Dataflow is a fully managed service for executing Apache Beam pipelines within the Google Cloud Platform ecosystem. Dataflow was chosen for this project as it minimizes latency, processing time, and cost through autoscaling and batch processing.

Cloud Storage was used to store any intermediate pipeline data. Cloud Storage is the object storage in Google Cloud and scales to exabytes of data and is distributed for high availability and low latency.

The audit and logging of the messages being exchanged between on-premise and cloud systems would be collected in Stackdriver, a monitoring and logging product in Google Cloud. The collected logs were routed from Stackdriver to Sumo Logic, an existing log analytics platform at Tailored Brands. Apart from exporting the logs to Sumo Logic, Stackdriver alerting and dashboarding capabilities was used to be the first response for any issues with the Dataflow pipelines.

Data exchange between upstream and downstream systems was done via Cloud Pub/Sub, Cloud Storage, JDBC, and on-premise based message brokers like Tibco EMS, IBM MQ, WebSphere MQ.

CI/CD process for the data pipelines was implemented based on Jenkins and Terraform.

[LET'S TALK](#) about how SoftServe can help meet your toughest inventory challenges using AI/ML, big data, and cloud solutions.

ABOUT SOFTSERVE

We are a digital authority made up of advisors, engineers, and designers who deliver innovation, quality, and speed to elevate and accelerate our clients' digital journeys.

Our approach is built on a foundation of empathetic, human-focused experience design that ensures value and continuity from concept to release.

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