

# Faster insights with real-time analytics

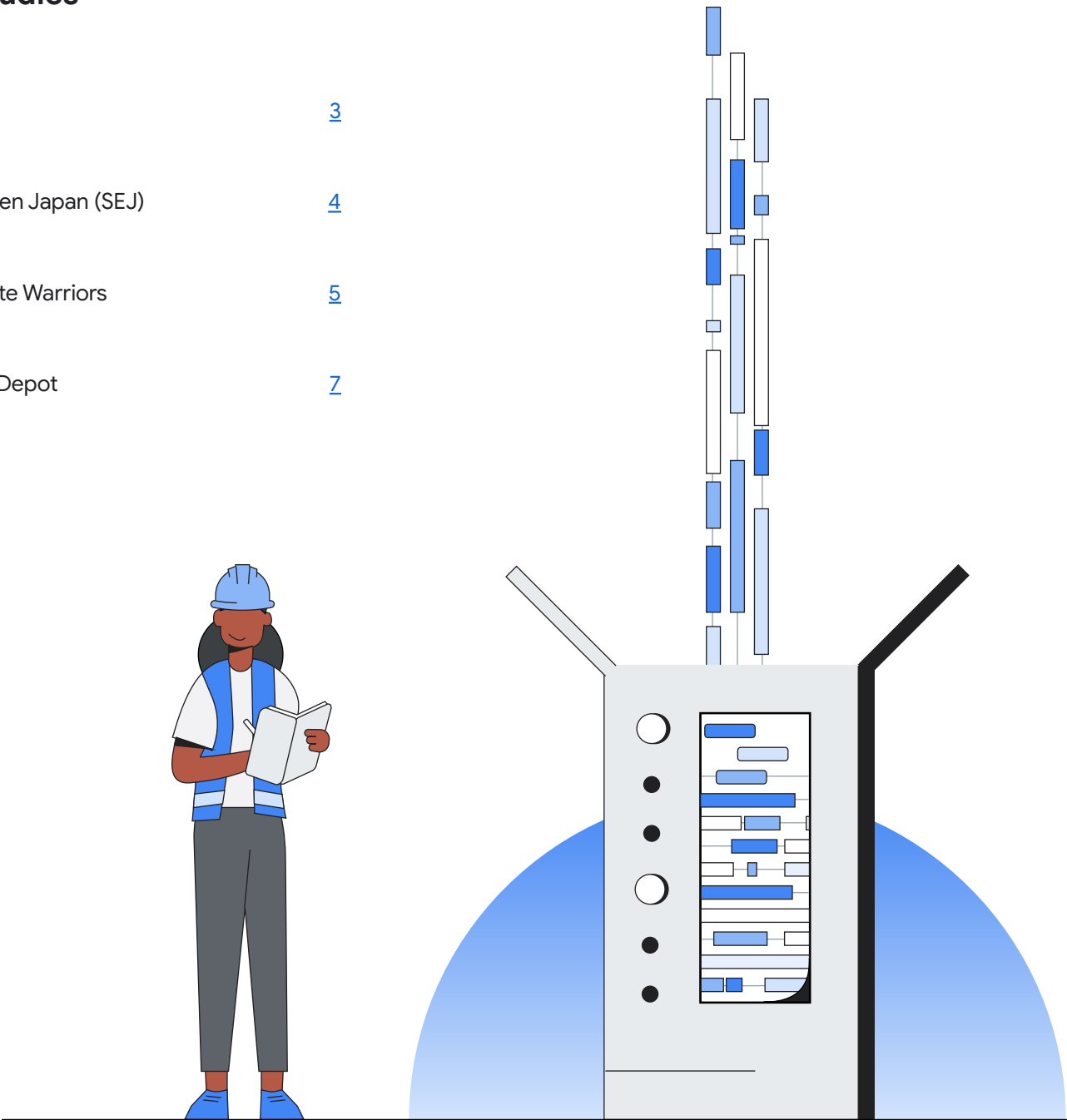




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# Renault

Renault is an international automobile manufacturing group with more than 170,000 employees in 39 countries.



EMEA



Manufacturing, industrial & transportation

Renault reduced ingestion, processing, and storage costs by more than 50% by moving to Google Cloud.



## Challenge: Digital transformation struggling with siloed systems

Renault wanted to use the industrial data from up to 40 sites globally to promote data-based business decisions and create new opportunities. However, several of their initiatives were siloed, with disconnected data workstreams.

## Solution: Design and build a new architecture in the Cloud

Renault kicked off a program named Industry Data Management 4.0 (IDM 4.0) to federate all those initiatives as well as future ones, and, most of all, to design and build a unique data platform and a framework for all Renault's industrial data. The solution included IoT connectors and sensors, as well as BigQuery, Dataproc and Dataflow.

## Outcome: Unfold new opportunities and democratize data access

The IDM 4.0 team has succeeded in gathering industrial data from plants, and merging and harmonizing this data in a scalable, reliable, and cost-effective platform. The team also managed to expose data in a controlled and secure way to data scientists, business teams or any application. Renault has leveraged this unified data to improve manufacturing, process engineering, and supply chain processes. These new processes have connected more than 4,900 industrial appliances through Renault's internal data acquisition solution, transmitting more than 1 billion messages per day.

## Seven-Eleven Japan (SEJ)

Seven-Eleven is Japan's leading convenience store chain with over 21,000 stores.



JAPAC



Retail & consumer

### Challenge: Legacy systems limiting real-time responsiveness and innovation

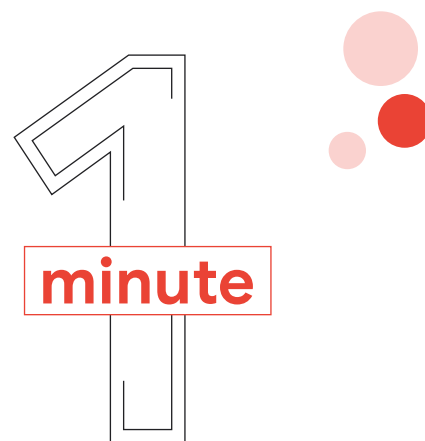
SEJ has struggled to maintain its complex legacy systems at the rate needed to keep up with today's rapid digitization, due to increased smartphone use and an IT vendor-dependent structure. Datasets were built into legacy environments, which meant data was distributed and siloed across multiple systems, causing a variety of problems.

### Solution: Create a platform for practical data use on Google Cloud

SEJ's IT department built "Seven Central"—a new platform for practical data use to support the company's future IT strategies and digital transformation initiatives. Seven Central's aim was to allow real-time data views, all consolidated in Google Cloud.

### Outcome: Real-time insights for fast business decisions

By leveraging BigQuery, Cloud Spanner, and Apigee on Google Cloud, SEJ was able to drive future digital transformation and create an open and agile development system. SEJ can now gain real-time data insights for their business decisions, while also ensuring their data is secure.



SEJ initially set a target time of one hour from when a customer makes a purchase to the point when Seven Central can use that data. But **when the final system was first tried—it took barely a minute.**

# Golden State Warriors

The Golden State Warriors are a six-time NBA champion basketball team, based in San Francisco.

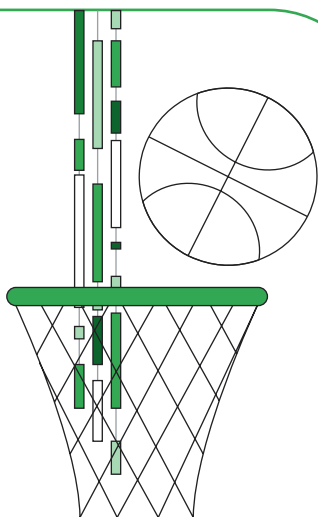


North America



Sports & entertainment

The Golden State Warriors **can now quickly analyze vast quantities of data on player performance** to better identify the players that will make a difference on the court.



## Challenge: Slow data analytics

To get deeper insights about the impact of certain players, the Warriors needed to integrate additional sources of unstructured data. But the analytics team was spending 70% of its time collecting and shaping data, and only 30% analyzing it. In order to derive insights from its data, the team needed to spend less time preparing it.

## Solution: Automate data collection with Google Cloud

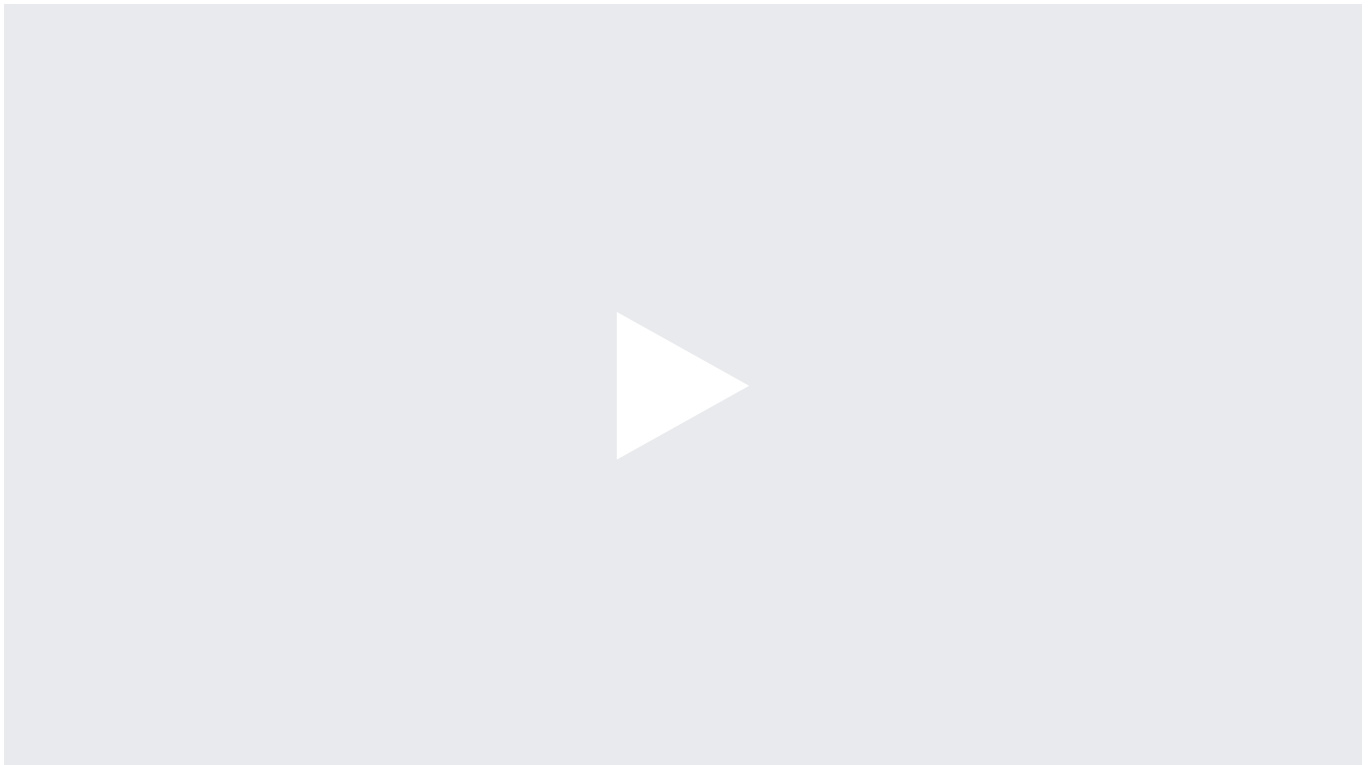
The Golden State Warriors automated data collection to significantly lower ingest time, helping drive real-time decision-making. Using BigQuery, Dataflow, and other Google Cloud tools, Golden State created machine learning models, data visualizations, and interactive analyses that can easily be shared with coaches, staff, and players.

## Outcome: Get from data to decision faster

Using BigQuery from Google Cloud, the Golden State Warriors can now analyze vast quantities of data on player performance at speed. With fast answers to tough questions, the Warriors can make better identify the players that will make a difference on the court.



## Enterprise companies solve together on Google Cloud



See how Enterprise companies are solving all kinds of challenges by building their data clouds on Google Cloud. In this video you will hear how customers like the Golden State Warriors, Humana, Twitter and more are using Google Cloud technologies to create exceptional customer experiences.



# The Home Depot

THD is the world's largest home-improvement chain, growing to more than 2,200 stores and 700,000 products in four decades.



North America



Retail & consumer goods

## Challenge: Slow on-premise SAP environment

The Home Depot wanted to create what it calls interconnected retail—allowing customers to shop in store, online, or both. To support this strategy, the company's SAP environment needed to be more agile. Their data warehouse needed an upgrade to process and analyze growing and increasingly diverse data sets.

## Solution: Migrate SAP environments to Google Cloud

THD migrated its SAP applications—including S/4HANA, its customer activity repository (CAR), general ledger, e-commerce system, enterprise data warehouse and more to Google Cloud. The company's analysts now use BigQuery ML for machine learning directly against the company's BigQuery data and use AutoML to determine the best model for predictions.

## Outcome: Maximizing data insights to support customer experiences

The Home Depot is leveraging Google Cloud analytics to build the industry's most efficient supply chain including more robust demand forecasting, supplier lead times, estimated delivery times and more, all while maintaining better security than before. The company now has the speed, scale, and flexibility to tackle enormous spikes in the business, all while staying fully available for their customers.

The Home Depot is leveraging Google Cloud analytics to build the industry's

**most efficient supply chain.**



## The Home Depot drives exceptional CX with SAP data on Google Cloud



The Home Depot is laser focused on interconnected retail, enabling their customers to shop whenever, however, and wherever they want to. Through their partnership with Google Cloud, The Home Depot has been able to migrate their enterprise data warehouse, including SAP data, to BigQuery. Learn how they leverage BigQuery for business analysis, financial planning and analysis, and report generation as well as to support supply chain demand forecasting and supplier lead time estimations.

