



Case Study Major Global Airline

The client is one of the largest airlines both in the U.S. and worldwide, with 80,000 employees and 5,000 daily flights. At the time of this case study, the client was using Oracle Database 12c Release 1 and Informatica PowerCenter 10.x.

The Problem

With its aging Oracle infrastructure, the client was unable to make full use of the 1.8 billion records it had on hand, representing the past 10 years of transactions. ETL jobs were running extremely slowly, lasting up to 14 hours or even more.

These problems blocked the client from getting the incisive data-driven insights it required to remain at the top of its industry. In need of an overhaul for its BI workflows, the client reached out to Datavail, an Oracle Platinum Partner.



How Datavail Helped

Datavail helped the client redesign and optimize its BI workflows at all three layers: database, ETL, and reporting.

Specific improvements included:

- Replacing complex data logics with simple queries for transferring data from the database to the ETL server.
- Implementing parallel processing to run multiple ETL jobs at once, massively speeding up execution times.
- Moving the majority of data processing from the client's database to the Informatica server, significantly reducing the strain on their resources.
- Using the Oracle Scheduler software to execute jobs in the background, optimizing the client's database.
- Compensating for RAM and CPU resource shortages through clever optimization techniques.

The Results

Thanks to its partnership with Datavail, the client has realized substantial benefits for the organization's business and IT functions.

By migrating its BI and analytics workflows into the cloud, the client has reduced the total cost of ownership (TCO) for its IT infrastructure. This cloud migration has also helped the client future-proof its business.

Most importantly, ETL jobs that once lasted 14 hours or more now require just a fraction of that figure. Datavail's optimizations and performance tweaks have helped the client slash maximum execution times to 140 minutes, a sixfold decrease. The partnership with Datavail has ensured that the client will continue to enjoy the data-driven insights that an organization of its caliber requires.