

CHALLENGE:

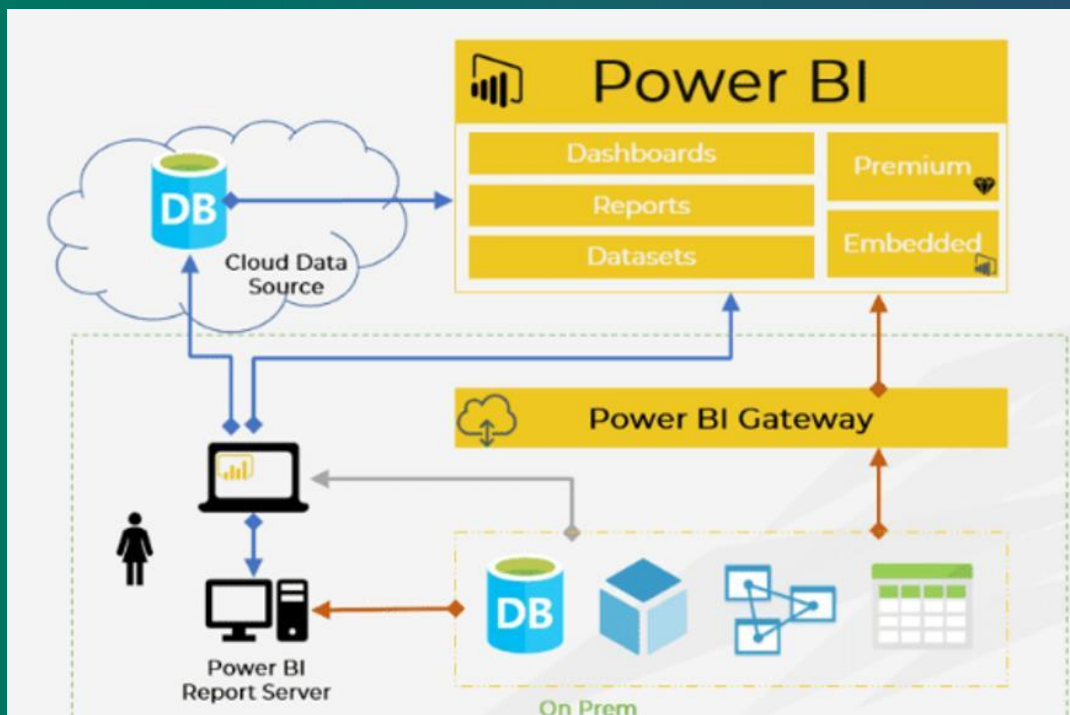
Our client used to follow a reporting system that could take about two to four weeks to report the financial performance of the prior month. They had to manage a lot of data and the process was slow and tedious. When they assigned us the task to automate the data analyzing and capturing process we suggested technologies that provide them the ability to seamlessly track key financial indicators and ease down financial reporting pains.



OBJECTIVES

- Automating the development of comprehensive financial reports that help predict future trends.
- Creating an informational panel that provides the ability to track and analyze all the key financial performance indicators in one place.
- Capturing revenue points across various available sources of generation for comprehensive report coverage.
- Getting more insight into key performance indicators, and past and present enterprise behavior to mitigate the root cause of issues.
- Exercising automated workflows at possible places to ensure continuous and timely delivery of financial reports.
- Shortening the time a team takes to consolidate all the data related to financial performance indicators.

SOLUTION



- To properly analyze enterprise financial data, it is acquired from multiple sources, such as financial ERP applications and sensor devices, and ingested into Oracle.
- A CFO dashboard is implemented with Power BI, which pulls data from the cloud and provides a centralized view of all the financial KPIs, including ticket revenue across transport modes, passenger count, ticket activations, best-selling products & variances to pre-Covid, and prior year.
- A CFO dashboard enhances data-driven decisions by analyzing the company's most critical financial KPIs in real-time and providing information on their financial health to understand investment opportunities and potential issues.
- A Power BI Report server is used to give the financial team access to rich visual interactive reports for covered KPIs and SQL data server capabilities.

TOOLS AND TECHNOLOGIES USED

Power BI

The Power BI platform gave us tools for analyzing and visualizing data to derive actionable insights. The following Power BI services are used in the provided solution.

Power BI Report Server

This Power BI tool helps companies maintain their on-premises data and reports.

Power BI Premium

Power BI Premium solution is made for large organizations with many users that need to collaborate in real-time.

Power BI Gateway

This Power BI tool acts as a bridge between on-premises data and cloud services.

Oracle

Oracle database serves as a data repository to consolidate & aggregate data from various streams. The data ingestion process entails extracting certain attributes from data sources and mapping them into categories via business rules.

SQL Server

The Core Budgeting system & Expense tracking (Source system) is in SQL Server.

External systems

These systems (external vendor-managed solution) provide data for specific transport managed by third parties (ticketing & ridership).

Ticketing system (mainframe)

Ticketing & Revenue / Ridership data is extracted daily from Mainframe & loaded to Oracle using SQL*Loader & mainframe scripts.

RESULTS

- Our client was able to track all the key performance metrics and enhance the financial aspects of the business.
- We provided a comprehensive dashboard that consolidates all the finance-related data to help improve data-driven decisions.
- The client can gather data from several data sources and utilize intuitive analytical tools to reflect on historical and projected strategies.
- The client can drill down into the numbers to understand the root cause and increase overall revenue figures.
- Reduced manual overhead on financial reporting thanks to the automated deployment of Power BI reporting workflows.
- Continuous responses to events and timely implementation of solutions via a ticketing system.

SCHEDULE A CALL WITH ONE OF OUR EXPERTS TODAY!

HEAD OFFICE

4365 Route 1 S,
Suite 102
Princeton, NJ
08540

US

330 Camp Road
Charlotte, NC
28206

CANADA

116 Albert Street,
Suite 200 & 300,
Ottawa, Ontario,
K1P 5G3, Canada

INDIA

Hubtown Solaris,
Suite 1113,
N S Phadke Marg,
Sai Wadi, Andheri
East, Mumbai
400069

