



TECHNOLOGY: . . . **MS SQL, Power BI**
 FRAMEWORK: . . . Analytics Enablement
 INDUSTRY: Government

REGION: **South Africa**
 REACH: South Africa

TYPE: **Custom**
 ENGAGEMENT: . . . Project
 COST: Phased

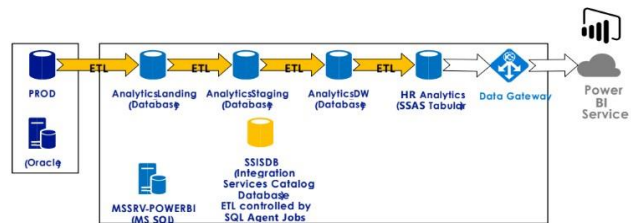
Overview

For many organizations, data exists within a vacuum. It exists between the users and the IT people who do not communicate with each other on a regular basis. This becomes a barrier to retrieve data on a timely basis and making the decisions when it is required. Most users need to go through a complicated process to request data and this is very true for government institutions. This is where the concept of data enablement comes from. Making it easier for the users to access the data they need, when and where they need it.

SA Parliament aimed to streamline its reporting for better decision-making, based on a more reliable and accurate processing of operational information. Given the need for improved data analytics and reporting, SA Parliament needed to invest in a dashboard solution that will allow SA Parliament to better track and monitor performance to enable proactive corrective measures that will ensure achievement of targets.

Approach

The biggest challenge to this project was to ensure that access and authorization was granted in a timely manner and maintained to ensure the team could complete the work in a timely manner. This had to take priority as it is well-known that bureaucratic processes could take some time to process. In any data analytics project, authorization and access should take centre stage as it could be an indication as to how successful the project will be.



ETL solution will extract data from oracle and will transform, cleanse and load data into catering DataMart within SQL Server Data warehouse. Using stored procedures, the measure used for analysis was created. The challenge here was to effectively translate Oracle scripts into SQL scripts and ensure they maintained the same results. Catering Tabular Model was developed within SQL Server Analysis services.

Power BI was connected to the DataMart and dashboards were created based on the requirements of the users. These dashboards were not deployed and were made available to the required users through Power BI desktop.

Summary and Benefits

- The availability of data enables governments to radically improve quality of service
- Better decisions are made at the right time and there are more proactive engagements
- Less need to traverse the bureaucratic channels
- Improved management of the catering division

See More

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PURCHASE: On Consultation

About

First Technology Digital is a First Technology group company. We are a future enablement partner specialising in product development, digital transformation consulting and the design, development, and deployment of enterprise solutions to various international clients. We are a Microsoft Gold partner and a proudly South African company.

