

RAPID BI SOLUTIONS

TELCO INDUSTRY

IP Capital assists a medium size telecommunications firm with the setup of a data warehouse for their reporting needs

IP Capital was tasked with the provisioning of a data warehouse for call records and billing to enable daily BI reporting. As part of the process of providing a proof of concept, various BI providers were asked to participate in the process.

Microsoft PowerBI was selected as the preferred technology stack.

Initial Scoping

- Hardware and software requirements
- Data sources
- Data size
- Data update frequencies
- Number of users

A workshop was held with the database administrator to determine where the data resides, the structure of the data and important fields required for reporting. An overview of the current setup and reporting process was also provided.

Development servers with access to the data sources were provided by the client for the proof of concept.

Design

IP Capital proceeded with the data warehouse design, setup and data imports from different data platforms. An average of 3 million rows are imported daily from a MySQL environment to an MSSQL data warehouse. Large transactional tables in excess of a billion records were partitioned and then summarised to allow for instantaneous access to important daily metrics.

A session was held with end users to identify their reporting needs before reports were developed in Microsoft Excel Powerpivot as well as Microsoft Power BI dashboards.

Implementation

IP Capital successfully interpreted the end user requirements, with provided reports requiring minimal changes after end user review. The process was concluded within a month, in accordance with the planned scope and with no cost overruns compared to budget.

IP Capital passed the proof of concept with flying colours and was selected as the BI partner of choice for further reporting requirements

Why Microsoft Power BI?

- Unparalleled Excel integration
- Put BI in everyone's hands – economically
- Improve publishing efficiency and accuracy of BI Content