Discovering Microsoft Self-service BI solution: Power BI

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Näytä kaikki kuvailutiedot

Julkaisun pysyvä osoite on

Tiivistelmä
With the changing business environment, the importance of Business Intelligence has gained lots of attention. Business Intelligence tools can provide the organizations with a fast and effective decision making process based on the data sources, which might be able to affect the survival of the organization on the market. And because of the changes in the external business environment and the business needs, a new approach of BI solution, Self-service BI solution, is proposed and during the last few years, the number of market players using the approach has increased rapidly.

The objective of the thesis was to build a BI solution according to one of Self-service BI solutions: Power BI provided by Microsoft, one of the leading players in the field of BI.

This study contains two parts. The first part is the theory package which covers the BI and Self-service BI concepts in order to provide the readers with an overall understanding of these concepts. It also sets up the foundation for the empirical part of this thesis project.

The thesis started with analyzing BI and Self-service BI and the relationship between them. After this, the Microsoft BI solution was introduced...
Self-service BI tools help users in: Generating accurate and template based reports. Suggesting data elements in a particular row or column. Enabling a text search interface to users during the selection of different attributes. Creating advanced analysis. Data discovery, extraction, and processing are extremely quick and organized, enabling employees to get their questions answered fast and smooth. This continuous updating of Power BI with the latest features has helped Microsoft stay ahead in the global self-service BI software market. The future of Self-service BI. Many industries such as Healthcare, Banking, Retail etc have recognized the importance of a Self-service BI and are adopting it rapidly. An overview of Self-Service BI Governance including tips and tricks on what should be included in your own program. I have been preaching governance with self-service BI tools since at least 2010 when Excel Power Pivot was released. IT and DBAs did not want to allow it and feared it. Unless Microsoft taught customers how Excel Power Pivot could be managed and controlled, it would never have been embraced like it is today. In 2012 in Atlanta I hosted a self-service BI governance workshop for enterprise accounts since literally everyone I talked to was struggling with this topic – including some the biggest enterprise firms in the world. Let me tell you, that workshop was standing room only with BI directors, Title of report Discovering Microsoft Self-service BI solution: Power BI. Teacher(s) or supervisor(s) Ralf Rehn. Group or year of entry BITe2010. The thesis started with analyzing BI and Self-service BI and the relationship between them. After this, the Microsoft BI solution was introduced before moving to the back-ground information about Power BI. The second part of this research discussed how to use Power BI to build a BI solution based on the business case. During this testing process, the necessary steps for building a BI solution were introduced also covering the main functionalities in the tool package.