Analysing Data with Microsoft Power BI

Course Duration: 2 days

Course Description

About this course

The main purpose of the course is to give students a good understanding of data analysis with Power BI. The course includes creating visualizations, the Power BI Service, and the Power BI Mobile App.

Audience profile

The course will likely be attended by SQL Server report creators who are interested in alternative methods of presenting data.

At course completion

After completing this course, students will be able to:

- Perform Power BI desktop data transformation.

- Describe Power BI desktop modelling.

- Create a Power BI desktop visualization.

- Implement the Power BI service.

- Describe how to connect to Excel data.

- Describe how to collaborate with Power BI data.

- Connect directly to data stores.

- Describe the Power BI developer API.

- Describe the Power BI mobile app.

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Pre-requisite Knowledge: Before attending this course, students must have:

- Excellent knowledge of relational databases and reporting.

- Some basic knowledge of data warehouse schema topology (including star and snowflake schemas).

- Some exposure to basic programming constructs (such as looping and branching).

- An awareness of key business priorities such as revenue, profitability, and financial accounting is desirable.

- Familiarity with Microsoft Office applications – particularly Excel.

Course Outline

Module 1: Introduction to Self-Service BI Solutions

Introduces business intelligence (BI) and how to self-serve with BI.

Module 2: Introducing Power BI

This module introduces Power BI desktop, and explores the features that enable the rapid creation and publication of sophisticated data visualizations

Module 3: Power BI

At the end of this module students will be able to explain the rationale and advantages of using Power BI

Module 4: Shaping and Combining Data

With Power BI desktop you can shape and combine data with powerful, buil-in tools. This module introduces the tools that are available for preparing your data, and transforming it into a form ready for reporting.

Module 5: Modeling data

This module describes how to shape and enhance data.

Module 6: Interactive Data Visualizations

This module describes how to create and manage interactive data visualizations.

Module 7: Direct Connectivity

This module describes various connectivity options using Power BI.

Module 8: The Developer API

This module describes the developer API within Power BI.

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Module 9: Power BI mobile app

This module describes the Power BI mobile app.