Create Dashboards with Power BI

Duration: 16 hours

Overview

This course covers the various methods and best practices that are in line with business and technical requirements for modelling, visualizing, and analysing data with Power BI. The course will show how to access and process data from data. Finally, this course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution.

Audience Profile

The audience for this course are data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI. This course is also targeted toward those individuals who develop reports that visualize data from the data platform technologies that exist on both in the cloud and on-premises.

Course Syllabus

Module 1: Accessing & preparing the data

- Get Started with Business Intelligence
- Get started building with Power BI
- Building blocks of Power BI
- Get data in Power BI
- Retrieve data from various data sources (Excel/ SQL/ Sharepoint)
- Demo: Get data in Power BI Desktop
- Practice: Accessing & preparing the data

Module 2: Data Modelling and Exploration

- Resolve inconsistencies and data quality issues

- Clean, transform, and load data in Power BI

- Design a data model in Power

- Create Relationships and Hierarchies

- Introduction to DAX

- Measures and Columns

- Demo: Transform and model data

- Practice: Data Modelling and Exploration

Module 3: Visualizations

- Work with visuals

- Format and configure visuals

- Report layout and interactions – Best Practices

- Cross-highlight and drill down

- Custom and AI Visualisations

- Demo: Create reports in Power BI Desktop

- Practice : Visualisations

Module 4: Publishing and accessing Reports

- Publish reports to Power BI service

- Interact With Reports

- Share Reports

- Embed Reports with Ms Sharepoint, Teams etc

- Package Reports with Workspace Apps

- Demo: Publish and Explore Reports

- Practice: Publishing and accessing Reports

Learning Path 5: Building a Dashboard and Sharing

- Module 1: Power BI workspaces

- Build and Dashboards from Reports

- Edit Dashboards

- Share Dashboards with users.

- Demo: Build Dashboard from Reports

- Practice: Building a Dashboard and Sharing