

Power BI BI102

40 hours

Course Outline:

Power BI is a business analysis (BI) solution from Microsoft that allows you to illustrate your data using graphs and a dashboard and share insights throughout and outside the organization.

The tool allows you to connect to dozens of real-time data sources, including data that is on your network and data that is on the Internet.

Main objectives of the course:

- Import data from a variety of sources, editing them using basic and advanced techniques
- Establishment of a data model, Model Data - and relationships between tables
- Writing indices in the DAX - the computational engine of BI Power
- Production of reports and dashboards

Who should attend the course:

Analysts, BI people, marketing and finance people, managers at all levels

Prerequisites:

- Basic Excel

Course Contents:

Module 1 - Introduction - What is POWER BI

- The process of working with BI Power:
- Installation
- Development
- Distribution

Module 2 - Desktop Vs Web

Module 3 - CloudServer Vs On Premise Server

Module 4 - Familiarity with the building blocks

- Data sources
- DataSets Creation
- Power BI Tiles
- Reports
- Visualizations
- Power BI Dashboards

Module 5 - Development

- Connectivity with information sources
- Filtering and transformation
- Power BI Modeling
- Creating Calculated Columns - Calculated Columns

Module 6 - Build and create visualizations

- Creating basic visualization
- Combination charts
- Creating and designing SLICERS
- Maps
- Tables and matrices
- Charts
- Report design
- Adjust the layout of the page and the format of the report
- Creating complex interactions between visualizations
- Copy a page of a report
- View categories without information
- Customization for visual aggregations and category options
- Notes on geographical location on the map
- Visual hierarchies and downward convergence in the hierarchy

