



Sanisoft
information technologies



MICROSOFT CERTIFIED SOLUTION ASSOCIATE

Overview

Earning MCSA: BI Reporting demonstrates knowledge relevant to data analysis, data visualization, modeling, dashboards, and direct connectivity to data sources in Excel and Power BI. It is the first step on your path to becoming a Data Management and Analytics Microsoft Certified Solutions Expert (MCSE). During this training Students will learn to analyze data with Power BI and Excel.

Duration : 48 Hrs

Prerequisites:

- 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.
- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of relational databases.
- Extensive knowledge of Excel spreadsheets including formulas, charts, filtering, sorting, and sub-totals.
- Basic knowledge of data analytics equivalent to having attended course 10994.

Course Exam:

Code	Name	Duration
70-778	Analyzing and Visualizing Data with Power BI	24 Hrs
70-779	Analyzing and Visualizing Data with Microsoft Excel	24 Hrs

Course Outline: Analyzing and Visualizing Data with Power BI

- Module 1: Introduction to Self-Service BI Solutions
- Module 2: Introducing Power BI
- Module 3: Power BI
- Module 4: Shaping and Combining Data
- Module 5: Modeling data
- Module 6: Interactive Data Visualizations
- Module 7: Direct Connectivity
- Module 8: The Developer API
- Module 9: Power BI mobile app

Course Objectives

- 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.

Course Outline: Analyzing and Visualizing Data with Microsoft Excel

- Module 1: Data Analysis in Excel
- Module 2: The Excel Data Model
- Module 3: Importing Data from Files
- Module 4: Importing Data from Databases
- Module 5: Importing Data from Excel Reports
- Module 6: Creating and Formatting Measures
- Module 7: Visualizing Data in Excel
- Module 8: Using Excel with Power BI

Course Objectives

- Explore and extend a classic Excel dashboard.
- Explore and extend an Excel data model.
- Pre-format and import a .CSV file.
- Import data from a SQL Server database
- Import data from a report.
- Create measures using advanced DAX functions.
- Create data visualizations in Excel.
- Create a Power BI dashboard with Excel.

Targeted Audience

This Course Is Designed For:

The course will likely be attended by SQL Server report creators who are interested in alternative methods of presenting data and students who are experienced with analyzing data with Excel and who wish to add BI techniques.



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