



POWER BI DESKTOP FOR BUSINESS ANALYTICS

Course ID : POWER-BI



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Duration: 2 Days

(12 Hours) 09:00 AM – 04:00 PM



Price: 8,500 THB

* (excluding VAT 7%)

* Eligible for 200% tax deduction



Training Schedule

www.9experttraining.com

Category: Power Platform, Business, Data

Power BI Desktop for Business Analytics is designed to empower organizations with data-driven decision-making through accurate and timely insights. In today's fast-paced business environment, data analytics technologies enable users to analyze, summarize, and forecast information with greater efficiency and precision. Microsoft Power BI is recognized as a leading Business Intelligence and Analytics platform, offering powerful tools for organizing, transforming, and modeling large datasets, as well as for creating visually engaging and interactive reports.

Objectives

1. Understand the core features and functionalities of Microsoft Power BI Desktop.
2. Import and transform data efficiently from multiple sources.
3. Design and build comprehensive, interactive reports using various visualization tools.
4. Publish and share reports securely through the Power BI Service (Cloud).

Target Audience

1. Chief Data Officers (CDOs)
2. Business Analytics Professionals
3. Data Analysts
4. Directors and Senior Management

Prerequisites

1. Basic proficiency in using Windows operating systems and the internet.
2. An analytical mindset for interpreting and summarizing data.
3. Experience in using PivotTables and creating charts in Microsoft Excel.

System Requirements

1. Windows 10 or Windows 11 operating system
2. A smart device (iOS or Android) for installing the Power BI Mobile app
3. Microsoft Power BI Desktop (available as a free download)

TRAINING TOPICS

DAY 1 Morning Session 9:00 AM – 12:00 PM

1. Introduction to Power BI

- Understanding the concepts of Business Intelligence and the Star Schema
- Overview of the Microsoft Power Platform ecosystem
- Registering for the Power BI Service and understanding licensing options
- Installing and using Microsoft Power BI Desktop
- Infographic: The Power BI workflow

2. Connecting to Data Sources

- Connecting to various data sources such as Excel, Text/CSV, Folders, Databases, Azure SQL, and SQL Server Analysis Services (SSAS)
- Creating new tables and connecting to websites or SaaS platforms
- Case Study: Importing exchange rate data from the Bank of Thailand website

DAY 1 Afternoon Session 1:00 PM – 4:00 PM

3. Data Transformation with Power Query

- Exploring the Power Query Editor and using Column Quality and Column Profile tools
- Managing data types, locale settings, data shaping, and cleansing operations
- Combining datasets, creating custom columns, and merging queries
- Introduction to the M Language and its applications in Power Query

DAY 2 Morning Session 9:00 AM – 12:00 PM

4. Working with Data Models

- Defining relationships, formatting fields, and creating implicit measures
- Applying geolocation features and writing DAX expressions (calculated columns and measures)
- Building hierarchies, applying sorting rules, and creating calculated tables
- Case Study: Performing product age analysis

5. Creating Dashboards

- Building visualizations using KPI, Table, Matrix, Chart, and Map visuals
- Applying slicers, visual-level filters, and designing mobile layouts
- Case Study: Developing a sales performance dashboard

6. Using the Power BI Service

- Uploading and publishing reports, and managing workspace licenses
- Using Power BI Mobile for viewing and sharing dashboards
- Applying natural language queries (Q&A) and configuring data-driven alerts
- Understanding and setting up Power BI Gateway for scheduled data refresh



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