

Course Synopsis

Microsoft Power BI

Desktop - Advanced



Duration: 2 days

This course covers more challenging aspects of Microsoft Power BI. You will learn about the Data Model, its structure and function and how to share it as a Certified or Promoted Dataset. You will work with more advanced DAX functions such as CALCULATE to learn how it can modify filter context.

Using complex Queries for data load, bookmarks and buttons for visualisations, together with App Workspaces and Dataflows you will learn how to create Data Analysis systems that can be shared and used throughout your organisation to provide real data insights and Business Intelligence.

To get the most out of this course

You should have attended our 2-day Power BI Basic course or be a competent Power BI user.

What you will learn: -

• **Working with Data Models in Power BI**

Importing a variety of data sources into Power BI Desktop.

Working with Model layouts

Creating Many-to-One relationships.

Understanding the Data Model.

Understanding the importance of Star Schemas.

Exploring Outer Joins, inactive relationships and bi-directional filtering

Creating Certified or Promoted Datasets

• **Creating DAX Measures**

Understanding Implicit Measures.

Controlling summarisation in Implicit Measures.

Looking at explicit Measures.

Understanding Filter Context and Filter propagation

Working with a variety of DAX functions:

DISTINCTCOUNT, COUNTROWS, SUMX and CALCULATE.

• **Advanced Visuals**

Working with conditional formatting.

Using DAX in conditional formatting.

Creating and editing Bookmarks

Using interactive buttons

Dynamic Tooltips in visualisations

The Key Influencers Visual

• **Row Level Security (RLS)**

What RLS does

Creating basic Row Level Security

Dynamic RLS

Limitations of RLS

• **Advanced Queries**

Using the Merge and Append Queries options.

Using “Fuzzy” merge.

Using the Connection to Folder to append.

Using Unpivot, Transpose and Pivot transformations

Creating Query Parameters

Managing and editing Parameters

Using a List as input for Parameters

Understanding Disable Load

• **Power BI App Workspaces**

Generating App Workspaces

Linking Workspaces with OneDrive

Sharing and Managing Workspaces

Creating Apps from Workspaces

Sharing and Managing Apps

• **Power BI Dataflows**

What is a DataFlow?

Generating and using DataFlows

Maintaining DataFlows

• **Data Refresh**

Manually refreshing data.

When and Why to use a Gateway.

Creating, Scheduling and Managing Automatic Refreshing.

Refreshing restrictions.

• **Power BI Governance**

Power BI administration

Security restrictions in Governance

Statistics and Audit