

Power BI Essentials

This one-day instructor led course concentrates on the Power BI components available in Microsoft Office 2016 and the Power BI Desktop. The participants will learn how to gather and analyse data from a variety of sources and surface visualisations using the Power BI tools to construct compelling insights into business data.

Who Should Attend

This course is intended for analysts, business intelligence (BI) developers and IT professionals that will be involved with the design, development, and maintenance of data employing the features of Power BI.

Course Prerequisites

Before attending this course, participants should have:

- > Experience navigating the Microsoft Windows environment
- > Experience with Microsoft Excel is desirable

Course Objectives

After completing this course, participants will be able to:

- > Understand Business Intelligence Concepts
- > Describe and Understand the use of the Microsoft Power BI Tools
- > Understand Self-Service BI
- > Get data using Excel 2016 and the Power BI Desktop
- > Model Data in Excel 2016 and the Power BI Desktop
- > Create Reports in Power BI Desktop
- > Understand Data Models, their creation and use.
- > Work with Multidimensional Data
- > Create and Use Hierarchies to Improve Analysis and Performance
- > Use DAX to create custom measures
- > Use the Power BI Tools to Import Data from various sources
- > Prepare and Enhance Data Models for use with the many Power BI Visualisations
- > Create Data Mashups using a Diverse Range of Public & Organisational Data

Course Code: PBIE
Course Duration: 1 Day

Course Summary

Module 1: Introduction to Power BI
Module 2: Get & Transform Data
Module 3: Modelling Data in Power BI
Module 4: Visualising Data in Power BI

Microsoft
Partner


Gold Data Analytics
Gold Data Platform
Silver Cloud Platform
Silver Learning

register for this course today as places are strictly limited

 1300 927 394



 contact@wardyit.com

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Course Outline

Module 1: Introduction to Power BI

This module introduces the course and the environment for the training. Additionally, we will introduce the main concepts of Business Intelligence, self-service BI and show how Power BI is positioned in the overall data analysis ecosystem

Topics

- > Overview
- > Course Agenda
- > Introduction to Power BI

Module 2: Get & Transform Data

In this module, we will explore the Get & Transform Data feature, formerly known as Power Query, and its ability to provide an intuitive experience for discovering, combining and refining data across a wide variety of sources. Power Query is a data-gathering tool originally provided as an add-in for previous versions of Microsoft Excel that allows you to share and manage data within your organisation. In Microsoft Excel 2016 the feature is now known as "Get & Transform Data".

Topics

- > What is Get & Transform Data?
- > Data Sources
- > Searching for Public Data
- > Shaping and Transforming Data
- > Combining Data
- > Refreshing Data

Lab Exercises

- > Querying Data from Local and Remote Sources
- > Shaping & Transforming Data

Module 3: Modelling Data in Power BI

In this module, we will explore the data modelling features of Power BI and investigate some of its analytical capabilities. Data modelling in Power BI allows for large amounts of data to be consumed and analysed. This module builds on the capabilities of Get & Transform Data to prepare and enhance a data model for creating dashboard visualisations

Topics

- > What is a Data Model?
- > Enhancing a Data Model
- > Creating Custom Measures

Lab Exercises

- > Creating a model from a data warehouse
- > Combining Data & Enhancing a Data Model

Module 4: Visualising Data in Power BI

In this module, we will cover the reporting and visualisation components of Power BI. Several types of charts and other visual indicators can be used to highlight important business metrics quickly and easily. These reports can further be used as the components of a dashboard.

Topics

- > Power BI Visuals
- > Using Power View
- > Power BI Desktop Reports

Lab Exercises

- > Creating a Power BI Desktop Report
- > Using a Power View Report

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