

COURSE OUTLINE

MS Excel 2010 PowerPivot



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Course Outline

Power Pivot is a free add-in to the 2010 version of the spreadsheet application Microsoft Excel. In Excel 2013, Power Pivot is only available for certain versions of Office. It extends the capabilities of the PivotTable data summarisation and cross-tabulation feature with new features such as expanded data capacity, advanced calculations, ability to import data from multiple sources, and the ability to publish the workbooks as interactive web applications. As such, Power Pivot falls under Microsoft's Business Intelligence offering, complementing it with its self-service, in-memory capabilities.

Prior to the release of Power Pivot, Microsoft relied heavily on SQL Server Analysis Services as the engine for its Business Intelligence suite. PowerPivot complements the SQL Server core BI components under the vision of one Business Intelligence Semantic Model (BISM), which aims to integrate on-disk multidimensional analytics previously known as Unified Dimensional Model, or UDM, with a more flexible, in-memory "tabular" model.

As a self-service BI product, Power Pivot is intended to allow users with no specialised BI or analytics training to develop data models and calculations, sharing them either directly or through SharePoint document libraries

By using Power Pivot for Excel, you can transform enormous quantities of data with incredible speed into meaningful information to get the answers you need in seconds.

- Take advantage of familiar Excel tools and features
- Process massive amounts of data in seconds
- Load even the largest data sets from virtually any source including databases, data feeds, Reporting Services, and text files
- Use powerful new analytical capabilities, such as Data Analysis Expressions (DAX)

Course duration

This course is scheduled for one (1) day from 9:00 till 16:00.

Course pre-requisites

Before attending this course, students must have attended MS Excel 2010 Level 2 or have equivalent knowledge and skills.

Documentation

The following documentation is included with the course

- Certificate of attendance



After attending you will be able to

- become familiar with the PowerPivot for Excel
- manipulate data in a PowerPivot workbook
- create reports and dashboards using PowerPivot for Excel
- use functions and formulas in PowerPivot
- understand basic database concepts

Who should attend?

This course is intended for intermediate to advanced Excel users, users that want to gain familiarity with PowerPivot to build compelling reports.

Topics Covered

Database Fundamentals

- Database Concepts
- Data relationships and lookup
- Data preparation on database level

PowerPivot Functionality

- Data source overview
 - Multiple data sources
 - Editable sources
 - UDL
- Excel data connections overview
 - Excel
 - ODBC / OLEDB
 - Query
 - Web
- Connecting to a data source using Power Pivot
 - Excel
 - Access
 - MS SQL
 - ODBC
 - Copy and Paste
- Data Preparation in Power Pivot
 - Calculated Columns using DAX
 - Relationships (Auto Detect vs Manual)
 - Date & Time Dimensions
 - Linked Tables
 - Building Primary and Foreign Keys
 - Data Model



- Vlookup | Indexing | Related
- Reporting & Dashboards
 - Pivot Tables (Format, Styling, Properties)
 - Data Visualisations (Sparklines / Data bars)
 - Pivot Charts
 - Slicers
 - Power View
- DAX
 - Basic

Venue Details

We have training facilities in Centurion.

Centurion

1001 Clifton Avenue
Lyttelton Manor
Centurion

For bookings or more information

For bookings or more information please feel free to contact us at 0861 11 1680 or e-mail training@acctech.biz

For the latest event schedule visit our training page on www.acctech.biz

