



PowerPivot for End Users

BUILDING TRAINING SOLUTIONS
FOR THE IT WORLD

Days: 2
Format: Instructor-Led
Class Code: 50433

Recommended Course Sequence

Knowledge of prerequisites
noted below.

*Course content is subject to change
without notice.*

Course Description:

This 2-day Instructor Led course How to use PowerPivot to access data sources, create relationships, use the PowerPivot DAX expressions and generate and format reports. You will also explore how PowerPivot workbooks can be integrated with SharePoint 2010.

Target Student:

Advanced Excel users, users that want to gain familiarity with PowerPivot to build compelling reports.

Prerequisites:

Before attending this course, students must have:

- General Excel and Report building skills.

At Course Completion:

After completing this course, students will be able to:

- Explore every aspect of using Microsoft PowerPivot.

Course Outline

Module 1: Overview

A simple introduction module.

After completing this module, students will be able to:
<ul style="list-style-type: none"> ■ Understand your course, classroom, classmates, facility and instructor.

Module 2: PowerPivot Introduction

In this module we take a look at the lessons of the module!

Lessons
<ul style="list-style-type: none"> ■ PowerPivot Introduction
Lab : Installing PowerPivot
<ul style="list-style-type: none"> ■ Install PowerPivot for Excel
After completing this module, students will be able to:
<ul style="list-style-type: none"> ■ Install PowerPivot for Excel ■ Be able to navigate the PowerPivot windows ■ Understand the new features of Excel 2010

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Module 3: PowerPivot Data Sources

In this module we take a look at the lessons of the module!

Lessons
<ul style="list-style-type: none"> ■ Supported Data Sources
Lab : Loading Data Sources
<ul style="list-style-type: none"> ■ Load Data From SQL Server ■ Load Data From Text Files ■ Load Data via Copy and Paste ■ Load Data via Data Feeds ■ Load Data via Reporting Services
Lab : Cleaning Data
<ul style="list-style-type: none"> ■ Cleaning data in PowerPivot
Lab : Creating Relationships
<ul style="list-style-type: none"> ■ Create Relationship between Data Sources
After completing this module, students will be able to:
<ul style="list-style-type: none"> ■ Import various data sources into PowerPivot ■ Understand how to clean imported data

Module 4: PowerPivot Functions

In this module we take a look at the lessons of the module!

Lessons
<ul style="list-style-type: none"> ■ PowerPivot Expressions
Lab : Create a Time Table
<ul style="list-style-type: none"> ■ Create a Time Table for future labs
Lab : Using DATE Functions
<ul style="list-style-type: none"> ■ Use DATE Function ■ Use DATEVALUE Function ■ Use the DAY, MONTH, YEAR, HOUR, MINUTE, SECOND Functions ■ Use EDATE Function ■ Use EOMONTH Function ■ Use NOW and TODAY Functions ■ Use TIME and TIMEVALUE Functions ■ Use TIME and TIMEVALUE Functions
Lab : Using TIME INTELLIGENCE Functions
<ul style="list-style-type: none"> ■ Use FIRST* and LAST* Functions ■ Use DATE* Functions ■ Use STARTOF* and ENDOF* Functions ■ Use CLOSING* and OPENING* Functions ■ Use LASTOF* and FIRST* Functions ■ Use PREVIOUS* and NEXT* Functions
Lab : Using STATISTICAL Functions
<ul style="list-style-type: none"> ■ Use AVERAGE* Functions ■ Use COUNT* Functions ■ Use MAX* and MIN* Function
Lab : Using VALUE Functions
<ul style="list-style-type: none"> ■ Use ALL, ALLEXCEPT and ALLNOBLANKROW

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<ul style="list-style-type: none"> ■ Use CALCULATE, CALCULATETABLE ■ Use DISTINCT ■ Use EARLIER and EARLIEST ■ Use FILTER ■ Use RELATED, RELATEDTABLE ■ Use VALUES
Lab : Using LOGICAL and INFORMATION Functions
<ul style="list-style-type: none"> ■ Use Logical Functions (AND, FALSE, IF, IFERROR, NOT, OR, TRUE) ■ Use Information Functions (ISBLANK, ISERROR, ISLOGICAL, ISNONTEXT, ISNUMBER, ISTEXT)
Lab : Using TEXT Functions
<ul style="list-style-type: none"> ■ Use TEXT Functions
After completing this module, students will be able to:
<ul style="list-style-type: none"> ■ Be able to describe all the new PowerPivot Expressions ■ Use and apply many of the PowerPivot Expressions

Module 5: Building Reports using PowerPivot

In this module we take a look at the lessons of the module!

Lessons
<ul style="list-style-type: none"> ■ PowerPivot Reports
Lab : Creating Reports
<ul style="list-style-type: none"> ■ Use PivotCharts ■ Use Slicers ■ Use Sparklines
After completing this module, students will be able to:
<ul style="list-style-type: none"> ■ Describe the different Report types in PowerPivot ■ Be able to create Slicers and Sparklines for more engaging reports

Module 6: PowerPivot for SharePoint 2010

In this module we take a look at the lessons of the module!

Lessons
<ul style="list-style-type: none"> ■ Reports and Email ■ PowerPivot for SharePoint 2010
Lab : Installing PowerPivot for SharePoint 2010
<ul style="list-style-type: none"> ■ Install PowerPivot for SharePoint 2010 ■ Configure PowerPivot for SharePoint
Lab : Configuring PowerPivot For SharePoint 2010
<ul style="list-style-type: none"> ■ Publish to SharePoint 2010 ■ Configure PowerPivot for SharePoint 2010
After completing this module, students will be able to:
<ul style="list-style-type: none"> ■ Describe the integration points between PowerPivot and SharePoint 2010 ■ Be able to publish and setup workbook data refresh in SharePoint 2010