

Course MS55103A

## Creating and Sharing Interactive Dashboards with PowerPivot, Power View and SharePoint Server

**Length:** 2 Days

### About this Course

In this course students will learn how to create and share interactive dashboards using Excel PowerPivot, Power View and SharePoint. Students will walk through the development of a dashboard project with the steps, concepts, formulas, and functions that are used explained in detail.

### Audience Profile

This course is targeted at Business Intelligence developers and Power Users that are currently, or are in process of, developing Excel dashboards.

### At Course Completion

After completing this course, students will be able to:

- Understand how to develop multiple dashboards.
- Understand how to change deployed dashboards.
- Understand how to provide interactive help for dashboards.
- Understand how to monitor dashboard utilization.
- Understand how to control dashboard updates.
- Understand how to import data.
- Understand how to relate data.
- Understand how to enrich data.
- Understand how to use time calculations.
- Source data.
- Understand tabular data.
- Understand visual data.
- Understand linked tables.
- Create a dashboard.
- Understand how to add drillthrough.
- Understand visualizations in Power View.
- Add interactivity.
- Understand how to deploy to SharePoint.
- Understand automatic data refresh.
- Share using SharePoint Excel Services.

### Prerequisites

Before attending this course, students must have:

- Experience installing PC hardware and devices.
- Basic understanding of TCP/IP and networking concepts.
- Basic Windows and Active Directory knowledge.
- The skills to map network file shares.
- Experience working from a command prompt.
- Basic knowledge of the fundamentals of applications. For example, how client computer applications communicate with the server.
- Basic understanding of security concepts such as authentication and authorization.

- An understanding of the fundamental principles of using printers.

## **Course Outline**

### Module 1: Course Overview

Lessons

Introduction

Course Materials

Facilities

Prerequisites

What We'll Be Discussing

After completing this module, students will be able to:

Successfully log into their virtual machine.

Have a full understanding of what the course intends to cover.

### Module 2: Dashboard Principles

Lessons

Develop Multiple Dashboards

Change Deployed Dashboards

Provide Interactive Help For Your Dashboards

Monitor Dashboard Utilization

Control Dashboard Updates

After completing this module, students will be able to:

Understand how to develop multiple dashboards.

Understand how to change deployed dashboards.

Understand how to provide interactive help for dashboards.

Understand how to monitor dashboard utilization.

Understand how to control dashboard updates.

### Module 3: Sourcing the Data

Lessons

Importing Data

Relating Data

Enriching Data

Time Calculations

Lab : Sourcing the Data

Sourcing the Data

After completing this module, students will be able to:

Understand how to import data.

Understand how to relate data.

Understand how to enrich data.

Understand how to use time calculations.

Source data.

### Module 4: Creating the Excel Dashboard

Lessons

Tabular Data

Visual Data

Linked Tables

Lab : Creating the Excel Dashboard

## Create the Dashboard

After completing this module, students will be able to:

Understand tabular data.

Understand visual data.

Understand linked tables.

Create a dashboard.

## Module 5: Adding Interactivity

### Lessons

Adding Drillthrough

Visualizations with Power View

Lab : Adding Interactivity

Adding Interactivity

After completing this module, students will be able to:

Understand how to add drillthrough.

Understand visualizations in Power View.

Add interactivity.

## Module 6: Sharing with SharePoint Excel Services

### Lessons

Deploy to SharePoint

Automatic Data Refresh

Lab : Sharing with SharePoint Excel Services

Sharing with SharePoint Excel Services

After completing this module, students will be able to:

Understand how to deploy to SharePoint.

Understand automatic data refresh.

Share using SharePoint Excel Services.