

Microsoft® SharePoint® Designer 2013

Course Specifications

Course Number: ELK91-122_rev1.0

Course length: 1.0 day(s)

Course Description

Microsoft® SharePoint® Designer 2013 provides a code-free environment to access data types and build custom SharePoint applications. It allows rapid development of SharePoint workflows to meet a company's specific needs. Before SharePoint Designer, most custom SharePoint applications were created with Microsoft® Visual Basic®. SharePoint Designer simplifies the process with a no-code interface that can be integrated with Microsoft® Visio® 2013 to easily manipulate workflow shapes. In this course, you will create and publish custom SharePoint workflows without code using SharePoint Designer 2013.

Course Objective: In this course, you will integrate data sources, customize data types, and author workflows in SharePoint Designer 2013 to model structured business processes without code.

You will:

- Describe SharePoint Designer 2013 and its features, benefits, and support options.
- Customize and configure content types to ensure data consistency across lists and libraries.
- Access and modify data sources from a SharePoint site.
- Create a workflow with SharePoint Designer 2013 and the SharePoint 2013 Workflow platform.
- Develop workflows in Visio 2013 and SharePoint Designer 2013.
- Package and deploy workflow using SharePoint Designer 2013 and SharePoint Server 2013.

Target Student: This course is designed for advanced Microsoft SharePoint site owners and administrators who want to integrate data sources, customize content types, and automate common tasks using workflows.

Prerequisites: To ensure your success in this course, you should be a site owner and/or administrator of Microsoft SharePoint 2007, 2010, or 2013. You should have experience with designing and maintaining a SharePoint site. The Microsoft® SharePoint® Foundation 2013: Site Administrator course is helpful, but not required. You can obtain this level of skill and knowledge by taking the following Logical Operations course:

- Microsoft® SharePoint® Foundation 2013: Site Owner

Hardware Requirements

For this course, you will need one computer for each student and one for the instructor. Each student computer will need the following minimum hardware configurations:

- 1.3 GHz or faster processor
- 512 MB or RAM minimum (1 GB recommended)
- 1.85 GB of available hard-disk space
- 1024 X 768 screen resolution or higher
- DVD-ROM drive (if installing from physical disc)
- Network cards and cabling for local network access
- Internet access (contact your local network administrator)
- Printer (optional) or an installed printer driver

Course Outline

The instructor computer will host SharePoint Server and requires the following minimum hardware configurations:

- 64-bit, 4-core processor
- 8 GB RAM
- 80 GB available hard disk space
- DVD-ROM drive (if installing from physical disc)
- Keyboard and mouse (or other pointing device)
- 1024 x 768 resolution monitor recommended
- Network cards and cabling for local network access
- Internet access (contact your local network administrator)
- Printer (optional) or an installed printer driver
- Projection system to display the instructor's computer screen

Software Requirements

Each student computer will need the following software:

- Microsoft® Windows® 8, 64 bit (includes Internet Explorer 10)
- Microsoft® SharePoint® Designer 2013, 64-bit
- Microsoft® Visio® Professional 2013, 64-bit

The instructor computer will need the following software:

- Microsoft® Windows Server® 2012 (includes Internet Explorer 10)
- Microsoft® SharePoint® Server 2013 (single server with a built-in database installation)
- Microsoft® SQL Server® 2008 Express R2 RTM, 64-bit (new instance required for data source connections)
- Microsoft® Workflow Manager 1.0 (server installation that is not part of a SharePoint 2013 farm and uses HTTP communication)
- Microsoft® SharePoint® Designer 2013, 64-bit
- Microsoft® Visio® Professional 2013, 64-bit

Course Content

Lesson 1: Getting Started with SharePoint Designer 2013

Topic A: Introduction to SharePoint Designer

Topic B: Get Help and Support for SharePoint Designer

Lesson 2: Customizing and Implementing Content Types

Topic A: Customize Content Types

Topic B: Implement Custom Content Types

Lesson 3: Integrating Data Sources Using SharePoint Designer

Topic A: Access Data Sources

Topic B: Modify a Data Source in Data View

Lesson 4: Creating Workflows with the Workflow Platform

Topic A: Implement the Workflow Platform

Topic B: Design a Workflow

Lesson 5: Creating Workflows with SharePoint Designer and Visio

Topic A: Design Workflows with Visio 2013

Topic B: Transfer a Visio Workflow Design to SharePoint Designer

Topic C: Publish a Visio Workflow Design Using SharePoint Designer

Lesson 6: Packaging and Deploying Workflows

Topic A: Package Workflows

Topic B: Deploy Workflow Packages