

Microsoft SHARE POINT SERVER 2013 DEVELOPMENT



CURRICULUM

» **Module 01:** **Understanding SharePoint 2013**

This module introduces the fundamental architecture of SharePoint 2013. It also highlights the various new enhancements that are part of the new SharePoint 2013. We will also understand the difference between SharePoint Foundation and SharePoint Standard/Enterprise editions.

- SharePoint Version History
- SharePoint 2013 Capabilities
- Significant Changes from SharePoint 2010
- SharePoint 2013 Farm Topologies & Architecture
- Hardware & Software prerequisites for SharePoint 2013
- Course Introduction

» **Module 02:** **SharePoint 2013 Installation and Configuration**

In this module, participants will be introduced to the SharePoint Server 2013 installation as well as post installation configuration walkthrough using the best practices recommended by the Microsoft.

- Install & Configure a Windows Server 2012
- Install Active Directory Domain Services
- Install SQL Server 2012
- Install & Configure SharePoint Server 2013
- Understanding and creating Web Applications
- Understanding and creating SiteCollections

» **Module 03:** **Working with Lists and Libraries**

In this module, participants will learn all about creating Lists, Document Libraries, custom Content Types and related features.

- Creating Lists
- Managing List Columns and Views
- Using Content Types in Lists and Libraries
- Using Site Columns
- Check In / Check out and versioning settings for document libraries

» **Module 04:**

Working with Wikis, Blogs and Surveys

In this module, participants will learn using Discussion Boards, Wikis, Blog Sites, Surveys and other out-of-the-box templates.

- Creating and Configuring Wikis
- Blogs
- Surveys
- Discussion Boards etc.

» **Module 05:**

SharePoint Security and Permissions

In this module, participants will learn all about SharePoint Security and permissions. In addition, they will also learn about securing SharePoint Apps, OAuth authentication

- Authentication & Authorization
- Configuring permission mechanism at Site Collections, Sub Sites, Lists and item level
- Custom Permission Levels
- Breaking Inheritance
- Securing Apps
- App Identity
- OAuth & Server-to-Server (S2S)

» **Module 06:**

Using SharePoint Designer 2013

In this module, participants will learn how to create custom site pages and data views. In addition this module will also dive into the aspects of customizing the SharePoint user interface for custom branding experiences as well as customizing the master pages.

- Creating Custom Site Pages
- Creating Data Views
- Filters on Data Views
- Master Pages in SharePoint 2013
- User Interface Design for Apps

» **Module 07:**

Developing SharePoint Solutions

SharePoint extensibility has traditionally been done using solution packages (*.wsp's). The two types of solutions, farm & sandbox, are covered in depth in this module. Participants will learn when they are available depending on the deployments, what you can and can't do with them as scenarios when they are applicable.

- Farm Solutions
- Sandbox Solutions
- Solution Packages

» **Module 08:**

Server-Side SharePoint Development

This module covers everything participants need to know about building solutions that run on the server and use the SharePoint Server-Side API. In this module you will learn how to query lists data using CAML and SPQuery as well as use the more traditional methods of working with SharePoint lists programmatically.

- Server-Side API Overview
- Creating, Deploying, and Debugging Visual Web Parts by Using Visual Studio 2012
- Retrieve, add, update, and delete SharePoint list data
- Retrieve SharePoint list data using CAML Query
- Working with List Data Programmatically

» **Module 09:**

Client-Side SharePoint Development

In this module participants will learn how to leverage each of the three client object models (CSOM) implementations in SharePoint projects. In addition participants will also learn how to use the OData/REST APIs to access SharePoint data from off the server.

- Overview of CSOM
- Programming CSOM with C#
- Calling the SharePoint 2013 REST API
- Making REST calls with C# and JavaScript

» **Module 10:**

Developing Event Receivers

In this module participants will learn how to handle the events that occur on items within any list or library.

- Event Receivers Overview
- Creating List Item Event Receivers

» **Module 11:**

Developing SharePoint Apps

SharePoint 2013 introduces a new way to extend SharePoint sites using SharePoint App Model. This module will cover everything participants need to know about the SharePoint App Model including how to deploy them to the Marketplace to monetize your projects.

- Introduction to SharePoint Apps
- Developing SharePoint Apps
- SharePoint-Hosted App
- Provider-Hosted App

» **Module 12:**

Reusable Type Definitions and Templates

In this module you'll learn how to create custom field types, field controls, site columns and content types as well as how to leverage them in custom solutions. In addition, you'll also learn how to implement them in a repeatable fashion with the SharePoint tools in Visual Studio 2012. Finally this module will also cover creating site definitions and Web Templates

- Field Types & Controls
- Site Columns & Content Types
- List Definitions & Templates
- Site Definitions
- Web Templates

» **Module 13:**

Developing Workflows

SharePoint 2013 dramatically changes the workflow architecture in the latest release. Workflow is now handled by Workflow Managers, both in on-premises and hosted deployments. In this module participants will learn how to create custom workflows using SharePoint Designer 2013 and Visual Studio 2012

- Workflow in SharePoint 2010
- Workflow in SharePoint 2013
- SharePoint 2013 Workflow Improvements
- SharePoint 2013 Out-of-the-Box Workflows
- Creating Custom Workflows
- Tooling: Visio 2013 & SharePoint Designer 2013
- Tooling: Visual Studio 2012

» Module 14: SharePoint 2013 Business Intelligence

In this module participants will dive into the business intelligence features in SharePoint 2013. SharePoint 2013 Insights let everyone access the business information they need to make good decisions. With powerful features like interactive dashboards and scorecards, users can access and configure the information in databases, reports and business applications to fit their exact needs.

- Using Excel Services
- Scorecards, KPIs, Reports
- PerformancePoint Server Dashboard

» Module 15: Business Connectivity Services

In this module participants will learn how to consume and interact with external data sources. In addition participants will also learn how to create external content types using SharePoint Designer 2013 and using them.

- BCS Overview & Architecture
- External Content Types
- Using External Content Types

» Module 16: InfoPath Forms Services

In this module participants will learn about working with browser-compatible form templates that will be deployed to Microsoft SharePoint Server 2013 with InfoPath Forms Services. InfoPath is designed to make it easy to build rich forms-based applications on the Microsoft SharePoint Server platform.

- InfoPath Forms Services Overview
- SharePoint Form Library
- InfoPath form templates

Partners :



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