

INTRODUCTION

This 2-day instructor-led course will teach you all the new development changes that were made to SharePoint 2010 including Sandboxed solutions, LINQ, REST, Client Object Model, BCS, Workflows and Claims based authentication.

AUDIENCE PROFILE

Anyone interested in getting an introductory look at the new development features of SharePoint 2010.

PREREQUISITES

Before attending this course, students must have:

- .NET Object Oriented programming and understanding of development in SharePoint 2007.

COURSE OUTLINE

MODULE 1: OVERVIEW

A simple introduction module.

Lessons

- Overview

MODULE 2: USER INTERFACE

In this module we take a look at the new features of SharePoint 2010 from a user interface standpoint. This module will help you with navigating through the remainder of the modules and labs faster. Some things we will explore include the new Ribbon and UI aspects.

Lessons

- New SharePoint Features

Lab: User interface

- UI Improvements
- Create Page
- Ribbon
- Wiki Capabilities

MODULE 3: VISUAL STUDIO 2010

In this module we are going to take a look at the new SharePoint project templates includes with Visual Studio 2010 and their many improved features!

Lessons

- Visual Studio 2010

Lab: Visual Studio 2010

- Explore SharePoint Project Templates
- Packaging and Deployment
- Advanced Deployment
- Server Explorer

MODULE 4: SANDBOXED SOLUTIONS

In this module we are going to take a look at SandBoxed Solutions in SharePoint 2010.

Lessons

- Sandboxed Solutions

Lab: Sandboxed Solutions

- Explore Sandboxed Solutions
- Create and Test Sandboxed Solutions
- Explore Limitations of Sandbox Solutions
- Configure Sandbox Points

Lab: DeveloperDashboard

- Enable Developer Dashboard

MODULE 5: LINQ AND REST

In this module we are going to take a look at the new REST and LINQ features of SharePoint 2010.

Lessons

- REST
- LINQ

Lab: REST

- Utilize REST Services
- REST Service Reference
- REST List Service Calls (PUT, GET)
- REST Excel Service

Lab: LINQ

- LINQ Introduction
- Utilize LINQ For SharePoint
- Use SPMetal.exe

MODULE 6: CLIENT OBJECT MODEL

In this module we are going to take a look at the three new Client Object Models available in SharePoint 2010!

Lessons

- Client Object Model

Lab: Client Object Model

- Explore Client Object Model
- Utilize Client Object Model (.NET)

Lab: ECMAScript

- JavaScript Object Model

Two days, Instructor-Led

Lab: SilverLight

- Utilize Client Object Model (SilverLight)

MODULE 7: BUSINESS CONNECTIVITY SERVICES

In this module we are going to take a look at the new Business Connectivity Services.

Lessons

- Business Connectivity Services

Lab: BCS

- Explore External Content Types
- Create a new External Content Type
- Create an External List

MODULE 8: WORKFLOWS

In this module we are going to take a look at implementing workflows with SharePoint Designer 2010.

Lessons

- Workflows

Lab: ReusableWorkflows

- Create Reusable Workflows (Site/Global)
- Export a workflow to Visio
- Import a workflow from Visio
- Save as Template

Lab: ModifyOOBWorkflow

- Modify Out Of Box Workflows

MODULE 9: CLAIMS BASED AUTHENTICATION

In this module we are going to take a look at the new workflow features of SharePoint 2010.

Lessons

- Claims Based Authentication

Lab: ClaimsBasedAuth

- Programming with Claims
- Creating custom claims provider