



# ET: 213

## Advanced Microsoft Windows SharePoint Services 3.0

Focus is on the internals of the Windows SharePoint Services 3.0 platform with this in-depth, straightforward reference. You get expert insights, task-oriented guidance, and extensive code samples to help you master the intricacies of building robust, enterprise content management applications.

### Who should attend?

IT professionals responsible for configuring and Programming Windows SharePoint Service 3.0

### Pre-requisites

Good understanding on Windows SharePoint Service 3.0 and .NET Programming

Course Level	Expert
Durations	2 Days

### Course Outline

#### Module 1: Getting Started

Learn about fundamental Windows SharePoint Services (WSS) concepts and terminology.

Learn about the principles of site provisioning.

Learn about customization opportunities with WSS.

Explore the out-of-the-box collaboration features of WSS.

Learn about development opportunities for extending WSS.

#### Module 2: SharePoint Architecture

Review important concepts and terms for IIS and ASP.NET.

Understand how Windows SharePoint Services (WSS) extends the ASP.NET routing infrastructure.

Understand the difference between site pages and application pages. Learn to create custom application pages.

#### Module 3: Pages and Design

Understand the benefits and restrictions of safe mode processing.

Learn how to design site pages with controls and Web Part zones.

Learn how to customize the master page used by site pages.

Learn how to customize the Windows SharePoint Services (WSS) navigation infrastructure.

Learn best practices for branding WSS sites.

#### Module 4: Web Parts

Understand the difference between traditional ASP.NET development and SharePoint development using Web Parts.

Understand fundamental Web Part development, debugging, and deployment techniques for WSS.

Understand and implement personalization and customization in Web Parts.

Build connectable Web Parts.

Work with Web Parts through the SharePoint Site Model.

#### Module 5: AJAX Web Parts

Understand the fundamentals of AJAX programming.

Learn how to program with the ASP.NET AJAX Framework.

Learn how to program and consume a service-oriented API by using XML data streams and Web services.

Implement AJAX components within Web Parts.

Use the SharePoint AJAX Toolkit to create rich Internet applications on the WSS platform.

### Course Objectives

- Build application pages and site pages
- Develop and deploy reusable Web parts to enable customization and personalization
- Exploit Windows SharePoint APIs to deploy Microsoft ASP.NET AJAX components
- Use XML and Collaborative Application Markup Language (CAML) to create provisioning components
- Design and implement custom document libraries
- Use Windows Workflow Foundation to create applications that automate business process
- Create Site Definitions to aggregate and package component for deployment
- Implement Code Access Security, Trust Levels, authentication, and authorization

#### Module 6: Lists and Content Types

Understand the conceptual data model of WSS content storage. Program against lists, items, and fields with the WSS object model.

Understand and create type definitions for site columns and content types.

Develop features that contain custom list types.

Write event handlers and bind them to WSS lists.

#### Module 7: Document Libraries

Program with the SP Document Library class.

Access documents as SP List Item and SP File objects.

Configure document libraries with custom document templates.

Work with InfoPath and forms libraries.

Generate documents with the Office Open XML file formats.

#### Module 8: SharePoint Workflows

Learn the fundamental concepts of the Windows Workflow Foundation (WF).

Learn to create WF programs using the Microsoft Visual Studio workflow designer.

Understand what value WSS provides on top of the WF.

Learn how to develop workflow templates for WSS.

Learn how to integrate workflow input forms with WSS workflow templates.

#### Module 9: Solutions and Deployment

Learn how to package components into site definitions.

Learn how to deploy applications by using WSS features.

Localize Web Parts, features, and site definitions by using Microsoft Visual Studio resources.

Create installers for Enterprise and Commercial deployments by using solution packages.

Create language packs for solution packages.

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#### Module 10: Application Security

Learn the basics of code access security and trust levels.

Configure application trust levels by using solution packages.

Understand WSS authentication and authorization.

Work with WSS security classes and interfaces