

Course 50049A:

**Architecting Web Content Management Solutions with
Microsoft Office SharePoint Server 2007**

Length: 2 Days
Published: March 14, 2008
Language(s): English
Audience(s): IT Professionals
Level: 300
Technology: Microsoft Office SharePoint Server 2007
Type: Course

Delivery Method: Instructor-led (classroom)

About this Course

Elements of this syllabus are subject to change.

This two-day instructor-led course provides students with the knowledge and skills to design and architect Web Content Management (WCM) solutions based on Microsoft Office SharePoint Server 2007. The course focuses on architectural issues and decisions.

Audience Profile

This course is intended for experienced technical and solution architects who have a minimum of four years experience with Office SharePoint products and technologies.

At Course Completion

After completing this course, students will be able to:

- Explain the key features of an Office SharePoint Server 2007 WCM solution.

- Take advantage of the content management architecture of Office SharePoint Server 2007.

- Optimize the server infrastructure for a WCM solution.

- Secure a WCM solution.

- Optimize the performance of a WCM solution.

- Customize and extend the WCM features of Office SharePoint Server 2007.

Course Outline

Module 1: Web Content Management Overview

This module gives an overview of the WCM features of Office SharePoint Server 2007.

Lessons

- What Is Web Content Management?
- First Steps in Your Web Content Management Architecture

Lab : Beginning a Web Content Management Architecture

- Exercise 1: Creating an Information Architecture
- Exercise 2: Planning Site and Subsite Structure
- Exercise 3: Defining Use of Blogs and Wikis

After completing this module, students will be able to:

- Describe the use of WCM and implementation options.
- Describe the role of WCM architecture.

Module 2: Architecting Content Management for Your Web Site

This module describes how to plan and design the look and feel of your site and how to manage content and the approval process.

Lessons

- Creating a Consistent Look and Feel
- Managing Content Pages
- Approving Content

Lab : Architecting Content Management for Your Web Site

- Exercise 1: Designing the Look and Feel
- Exercise 2: Designing Site Variations
- Exercise 3: Designing the Approval Process

After completing this module, students will be able to:

- Create a consistent look and feel across a WCM solution.
- Manage content pages in a WCM solution.
- Manage the content approval process in a WCM solution.

Module 3: Server Infrastructure and Content Deployment

This module describes how to plan and design server farms for WCM solutions and how to manage the deployment of content between multiple environments.

Lessons

- Server Farms for Web Content Management Solutions
- Content Deployment

Lab : Using the Content Deployment System

- Exercise 1: Deploying Content by Using Paths and Jobs
- Exercise 2: Deploying Content Manually
- Exercise 3: Using Quick Deploy

After completing this module, students will be able to:

- Explain the main server farm design considerations for WCM solutions.
- Describe the principal content deployment issues for WCM solutions.

Module 4: Securing a Web Content Management System

This module describes the security considerations that apply to WCM solutions in Office SharePoint Server 2007.

Lessons

- Securing Servers
- Network Security

Lab : Creating a Secure Site

- Exercise 1: Planning Authentication and Encryption
- Exercise 2: Locking Down Forms Pages

After completing this module, students will be able to:

- Describe techniques to secure servers in an Office SharePoint Server 2007 WCM solution.
- Describe techniques to secure network communications in a WCM server farm.

Module 5: Optimizing Performance for Web Content Management

This module describes how to ensure that your portal architecture responds well to the expected load from users.

Lessons

- Optimizing Content
- Optimizing Servers

Lab : Optimizing a Web Content Management Site

- Exercise 1: Optimizing Core Files and Custom Code
- Exercise 2: Configuring IIS Compression and Output Caching

After completing this module, students will be able to:

- Ensure that authors, editors, and developers create optimized content for a WCM system.
- Use Internet Information Services (IIS) compression and caching to deliver content to users rapidly.

Module 6: Extending Web Content Management

This module describes the ways in which you can customize Office SharePoint WCM so that you can include customizations in solution architectures.

Lessons

- Customizing Content Presentation
- Customizing Content Editing
- Customizing Content Deployment

Lab : Extending Web Content Management

- Exercise 1: Customizing the Page Editing Toolbar
- Exercise 2: Customizing the HTML Editor Field Control

After completing this module, students will be able to:

- Describe how developers can customize the way Office SharePoint products and technologies present content to site visitors.
- Describe how developers can change the way that users edit content in Office SharePoint sites.
- Include custom content presentation in WCM solution architecture.

Prerequisites

Before attending this course, students must have:

- At least two years working with Office SharePoint products and technologies, in any of the following roles:
- Solution Architect

- Technical Architect
- At least two years practical experience as a lead developer (or having provided architectural guidance to lead developers) in development projects for Office SharePoint products and technologies.
- Technical expertise in Office SharePoint Server 2007.
- At least six months combined experience as a technical and solution architect for Office SharePoint Server 2007 projects.
- Experience of gathering and analyzing customer requirements.
- Completed Course 5061, Implementing Microsoft Office SharePoint Server 2007.