

Architecting Microsoft Office SharePoint Server 2007 Portals and Collaboration Solutions

Course Code: MS50051 Two days; Instructor-Led

Prerequisites

Before attending this course, students must have:

- At least two years working with 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 provided architectural guidance to lead developers) in development projects for SharePoint Products and Technologies.
- Technical expertise in Microsoft Office SharePoint Server 2007.
- At least six months combined experience as a technical and solution architect for Office SharePoint Server 2007 projects.
- Led consulting engagements that are focused on the search technologies of Office SharePoint Server 2007.
- Experience of gathering and analyzing customer requirements.
- Completed course 5060A: Implementing Windows SharePoint Services 3.0.
- Completed course 5061A: Implementing Microsoft Office SharePoint Server 2007.

Course Outline

Module 1: Portals and Collaboration Architecture

This module explains the collaboration features of Office SharePoint Server 2007.

Lessons

- Portals and Collaboration Overview
- Portal Physical Architecture

Lab : Using Portal and Collaboration Features

- Exercise 1: Using Portal Site Templates
- Exercise 2: Using Wikis
- Exercise 3: Using a Team Blog

After completing this module, students will be able to:

- Describe portals and collaboration solutions and the reasons for using them.
- Describe the physical architecture of a portal.

Module 2: Architecting a Portal Solution

This module describes how to create an architectural proposal for a portal solution based on the requirements of all stakeholders.

Lessons

- Architectural Patterns for Portals and Collaboration
- Portals and Collaboration Logical Architecture

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Lab : Architecting a Portal

- Exercise 1: Investigating Functional Requirements for Your Portal
- Exercise 2: Investigating Physical Requirements for Your Portal

After completing this module, students will be able to:

- List and describe common architectural patterns on which you can deploy SharePoint Products and Technologies.
- Describe how you reach design decisions for the SharePoint Products and Technologies logical architecture.

Module 3: Including Business Intelligence in a Portal

This module describes how to design portals that enable key decision-makers to gain a view of the enterprise through business intelligence features.

Lessons

- Gathering and Analyzing Data
- Gathering Data from Line-of-Business Applications
- Presenting Intelligence to Users

Lab : Planning and Using Business Intelligence

- Exercise 1: Implementing Excel Services
- Exercise 2: Creating an ADF Using the Microsoft Business Data Catalog Definition Editor
- Exercise 3: Creating Business Intelligence Dashboards

After completing this module, students will be able to:

- Describe the data analysis tools available in Office SharePoint Server 2007.
- Describe how to use the Business Data Catalog (BDC) to integrate LOB data in Office SharePoint Server 2007.
- Explain how to present data to the correct users in the most effective manner.

Module 4: Facilitating Collaboration

This module describes how to design a portal that encourages users to collaborate and communicate.

Lessons

- User Profiles and My Sites
- Increasing Communication Between Users

Lab : Using Social Networking

- Exercise 1: Importing User Profiles from Active Directory
- Exercise 2: Enabling and Using My Sites

After completing this module, students will be able to:

- Describe the use of profiles and My Sites in a portal.
- Describe the use and configuration of online presence and e-mail facilities.

Module 5: Capacity Planning and Performance Monitoring for Portals and Collaboration

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

Lessons

- Estimating Capacity Requirements
- Identifying Performance Bottlenecks for Portals

Lab : Using Portal and Collaboration Features

- Exercise 1: Estimating Throughput for a Portal
- Exercise 2: Diagnosing Bottlenecks

After completing this module, students will be able to:

- Describe how to estimate capacity requirements for an Office SharePoint Server 2007 portal and collaboration deployment.
- Describe the major performance bottlenecks that you may experience on an Office SharePoint Server 2007 portal and collaboration deployment.

Module 6: Extending Portal and Collaboration Functionality

This module describes how to design a portal that includes custom features for collaboration.

Lessons

- Using Custom Web Parts
- Other Custom Solutions

Lab : Deploying a Custom Web Part by Using a Solution

- Exercise 1: Completing the Solution XML Files
- Exercise 2: Packaging the Solution
- Exercise 3: Deploying the Solution and Using the Web Part

After completing this module, students will be able to:

- Describe how custom Web Parts can extend your portal.
- Describe other techniques you can use to extend your portal