

Advanced IT Pro Course for Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0

Course 50047A : Five days; Instructor-Led

Introduction

Elements of this syllabus are subject to change.

This five-day instructor-led course provides students with the knowledge and skills to plan, deploy, and configure server farm solutions with Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0. The course focuses on key deployment and configuration tasks.

Audience

This course is intended for experienced architects and administrators who have a minimum of two years experience with SharePoint Technologies.

At Course Completion

After completing this course, students will be able to:

- Explain how SharePoint Technologies server roles map to a server farm environment.
- Describe how to configure SharePoint Technologies server farms.
- Describe how to secure SharePoint Technologies deployments.
- Describe how to configure information architecture and solution architecture in SharePoint Technologies deployments.
- Explain how to plan for disaster recovery and how to backup and restore SharePoint Technologies solutions.
- Explain how to manage, monitor, and troubleshoot SharePoint Technologies deployments.
- Describe how to plan for capacity and how to right-size a SharePoint Technologies deployment.
- Describe how to configure search and indexing in SharePoint Technologies deployments.
- Explain how to customize and extend SharePoint Technologies deployments.
- Describe how to configure the Business Data Catalog.
- Describe how to configure Forms and Excel Services.

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
 - Information Architect
 - Farm Administrator
- Experience 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: SharePoint Technologies Server Farm Architecture

This module explains the server role architecture of Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0.

Lessons

- WSS 3.0 and MOSS 2007 Server Farms
- MOSS 2007 Server Farm Topology
- Deploying WSS 3.0 and MOSS 2007 Farms

Lab 1: Planning and Deploying MOSS 2007 Farms

- Exercise 1: Planning a MOSS 2007 Server Farm Deployment
- Exercise 2: Installing a MOSS 2007 Application Server by Using a Script

After completing this module, students will be able to:

- Describe the advantages and disadvantages of server farms.
- Explain how SharePoint Technologies map to server farm environments.
- Describe how to deploy SharePoint Technologies server farms.

Module 2: Configuring SharePoint Technologies Farms

This module describes how to configure SharePoint Technologies server farms.

Lessons

- Creating Shared Services Providers
- Configuring Server Farms
- Configuring Administration Settings

Lab 2: Creating and Configuring Shared Services Providers

- Exercise 1: Create a Shared Services Provider
- Exercise 2: Configure a Profile Import and Test My Sites

After completing this module, students will be able to:

- Describe how to create and configure an SSP.
- Describe how to configure e-mail, quota templates, and language packs.
- Explain how to configure key SharePoint Technologies administration settings.

Module 3: Securing Microsoft SharePoint Technologies Systems

This module describes how to secure SharePoint Technologies server farm deployments.

Lessons

- MOSS Security Accounts
- Securing Content
- Securing Communications within a Server Farm
- Using Server Hardening

Lab 3: Working with Microsoft Office SharePoint Server 2007 Security

- Exercise 1: Configuring Security Accounts
- Exercise 2: Creating a Forms-Based Authentication Web Application
- Exercise 3: Securing Server Farm Communications

After completing this module, students will be able to:

- Describe how to configure MOSS security accounts.
- Explain how to secure content in SharePoint Technologies solutions.
- Explain how to secure communications within a SharePoint Technologies server farm.
- Describe server hardening techniques for SharePoint Technologies server farms.

Module 4: Microsoft SharePoint Technologies Solution Architecture

This module describes the key solution architecture and information architecture issues in SharePoint Technologies deployments.

Lessons

- Information Architecture
- Solution Architecture

Lab 4: Working with Content Types and Features

- Exercise 1: Using Content Types to Manage Taxonomies
- Exercise 2: Installing and Activating Features

After completing this module, students will be able to:

- Understand how to plan information architecture.
- Understand SharePoint features, solutions, site definitions, and templates.

Module 5: Backup, Restore, and Disaster Recovery for Microsoft SharePoint Technologies

This module describes how to recover from, and minimize the impact of, disastrous data loss and mis-configuration.

Lessons

- Backup and Restore
- Using Microsoft SQL Server Backup and Restore
- Using Microsoft SQL Server Failover Solutions
- Using Data Protection Manager

Lab 5: Configuring a Mirror Database

- Exercise 1: Mirroring Databases
- Exercise 2: Configuring and Administrating Database Failover
- Exercise 3: Configuring Content Database Failover

After completing this module, students will be able to:

- Explain how to use SharePoint Technologies Backup and Restore.
- Explain how to use Microsoft SQL Server backup and restore functionality to protect SharePoint data.
- Explain how to use Microsoft SQL Server failover solutions to protect a SharePoint deployment.
- Describe both DPM 2006 and DPM 2007.

Module 6: Microsoft SharePoint Technologies Operations

This module discusses farm management, migration, and how to use SCOM 2007 with MOSS and WSS.

Lessons

- Managing a Server Farm
- Using Microsoft Systems Center Operations Manager with SharePoint Technologies
- Troubleshooting Migrations and Upgrades

Lab 6: Installing and Using SCOM Pack for Windows SharePoint Services 3.0

- Exercise 1: Installing the Operations Manager 2007 Agent on a Server
- Exercise 2: Installing the Windows SharePoint Services 3.0 Management Pack
- Exercise 3: Configuring a performance monitor on Operations Manager 2007

After completing this module, students will be able to:

- Manage a server farm.
- Use Systems Center Operations Manager 2007 to manage SharePoint Technologies deployments.
- Troubleshoot migrations and upgrades.

Module 7: Capacity Planning and Sizing for Microsoft SharePoint Technologies

This module describes how to plan capacity for and right-size a SharePoint Technologies deployment.

Lessons

- Capacity Planning
- Right-Sizing Microsoft SharePoint Technologies Architectures

Lab 7: Sizing a Microsoft Office SharePoint Server 2007 Deployment

- Exercise 1: Estimating User Requirements
- Exercise 2: Sizing a Deployment

After completing this module, students will be able to:

- Explain how to plan capacity for SharePoint Technologies deployments.
- Describe how to right-size a SharePoint Technologies deployment.

Module 8: Search and Indexing

This module describes the architecture and configuration of the search and indexing features in Office SharePoint Server 2007.

Lessons

- Search Architecture
- Crawl and Query Processes
- Search Server Layouts

Lab 8: Configuring and Extending Search

- Exercise 1: Configuring Content Sources
- Exercise 2: Configuring Crawl Rules
- Exercise 3: Customizing the Advanced Search User Interface

After completing this module, students will be able to:

- Describe the architecture of the Office SharePoint Server Search service.
- Explain how to configure the crawl process and query experience.
- Describe the advantages and disadvantages of different search server layouts.

Module 9: Customizing and Extending Microsoft SharePoint Technologies

This module describes the opportunities to customize and extend a SharePoint Technologies solution.

Lessons

- Customizing Microsoft Office SharePoint Server 2007
- Extending Microsoft Office SharePoint Server 2007

Lab 9: Customizing and Extending Microsoft Office SharePoint Server 2007

- Exercise 1: Modifying Master Pages and Layouts
- Exercise 2: Installing an iFilter and Associate a File Type

After completing this module, students will be able to:

- Describe how you can customize Office SharePoint Server deployments.
- Describe how you can extend the functionality of Office SharePoint Server.

Module 10: Configuring the Business Data Catalog

This module describes how to configure the Business Data Catalog to access line-of-business application data from Office SharePoint Server 2007.

Lessons

- Planning the Business Data Catalog
- Configuring the Business Data Catalog

Lab 10: Creating a Business Data Catalog Connection

- Exercise 1: Creating an ADF File
- Exercise 2: Loading the BDC Application Definition
- Exercise 3: Creating Managed Properties

After completing this module, students will be able to:

- Explain the principal planning issues for the Business Data Catalog.
- Describe how to configure the Business Data Catalog.

Module 11: Configuring Forms and Excel Services

This module describes how to configure InfoPath Forms and Excel Services in an Office SharePoint Server 2007 deployment.

Lessons

- Microsoft InfoPath Forms in SharePoint Technologies
- Excel Services in MOSS 2007

Lab 11: Installing and Configuring a Workflow with InfoPath Forms

- Exercise 1: Creating an InfoPath Form Template
- Exercise 2: Creating and Deploying a Workflow

After completing this module, students will be able to:

- Describe how to configure InfoPath Forms in an Office SharePoint Server deployment.
- Describe how to configure Excel Services.