

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

**Course Code: MS50047** Five 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
- 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 : 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

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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 : 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

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## **Lab : 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 : 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.

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## Lessons

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

## Lab : 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 : 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

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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 : 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 : 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 : 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 : 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 : 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.