

## Course Outline

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# 50047 -Advanced IT Pro Course for Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0



**Duration:** 5 days (30 hours)

### Target Audience:

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

### 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

### Topics Covered:

- Module 1: SharePoint Technologies Server Farm Architecture
  - 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
    - 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

- 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

- 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

- 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

- 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

- 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

- 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

- 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

- 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

- 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