



## Course Outline

### Course 50149: SharePoint 2007 Operations

#### About this Course

This 5 day deep-dive will guide individuals through the process of architecting and setting up SharePoint 2007 applications and customizations from an Operations viewpoint.

#### Audience Profile

This course is intended for individuals who access information on a Windows SharePoint team site or SharePoint site owners who are responsible for creating and managing a team website. This includes managers, developers, designers, and every day knowledge workers, anyone that uses SharePoint sites and lists on an everyday basis.

#### At Course Completion

After completing this course, students will know:

- Every aspect of managing a SharePoint 2007 Server farm
- Integration with applications such as IRM, ForeFront, and Performance Point
- The many ways to back up and restore SharePoint environments

#### Course Outline

##### *Module 1: Overview*

###### Lessons

What Is SharePoint?  
Why SharePoint 2007?  
SharePoint 2007 Benefits

**Lab : There are no labs in this module**

##### *Module 2: Installing*

###### Lessons

Installing SharePoint  
SharePoint Farms

###### Lab : Installing

Install WSS  
Install MOSS  
Detach/Attach to SharePoint Farm



## Course Outline

### ***Module 3: SharePoint Architecture***

This module contains only labs.

#### **Lab : Site Definitions**

Create One of Each WSS/MOSS Site Definition

#### **Lab : SharePoint Architecture 1**

Explore a SharePoint config file

#### **Lab : SharePoint Architecture 2**

Learn Content Database structure

Use SQL Profiler to reverse engineer the web front end and stsadm

#### **Lab : SharePoint Architecture 3**

Create a Customized Page

Analyze a Customized Page

#### **Lab : 12 Hive**

Explore the 12 Hive

### ***Module 4: StsAdm***

#### **Lessons**

Overview

Commands

Extending

#### **Lab : Stsadm**

Use StsAdm command line tool

#### **Lab : Extend Stsadm**

Review the stsadmcommands.xml file

Extend StsAdm

### ***Module 5: SharePoint Services***

#### **Lessons**

Document Conversions Launcher

Document Conversions Load Balancer

Excel Calculation Services

Officer SharePoint Server Search

Windows SharePoint Services Search

Windows SharePoint Services Web Application



## Course Outline

### **Lab : SharePoint Services**

Explore the SharePoint Services

### ***Module 6: PowerShell***

#### **Lessons**

Commandlets  
PowerShell variables  
Using With SharePoint

### **Lab : Install PowerShell**

PowerShell Basics – Command Lets  
Create An Object  
Static Properties

### **Lab : PowerShell With SharePoint**

Load SharePoint Dll into PowerShell  
Set PowerShell Execution Policy  
Enumerate Webs  
Create a site with PowerShell  
Create/Update an item with PowerShell  
Backup SharePoint with PowerShell

### ***Module 7: General Operations Tasks***

#### **Lessons**

Email Settings  
Migrating File Shares  
Master Site Directory  
Alternate Access Mappings  
External Service Connections  
Language Packs  
Features & Solutions

### **Lab : Email Settings**

Configure the Outgoing Email Settings  
Load balance Email Load  
Configure the Incoming Email Settings

### **Lab : Distribution Groups**

Create Active Directory Distribution Groups

### **Lab : Migration File Shares**

Migrate a File Share  
Blocked File Types



## Course Outline

NTFS Permissions

### **Lab : Master Site Directory**

Setup the Master Site Directory

### **Lab : Alternate Access Mappings**

Configure Alternate Access Mappings

Test Alternate Access Mappings

### **Lab : External Service Connections**

Records Center

Document Conversion

### **Lab : Features and Solutions**

Features

Solutions

## ***Module 8: Information Rights Management***

### **Lessons**

Information Rights Management

SharePoint IRM

### **Lab : Information Rights Management**

Install Information Rights Management (IRM)

Configure IRM

Use IRM

## ***Module 9: AntiVirus***

### **Lessons**

Microsoft ForeFront

ForeFront for SharePoint

Installing

Configuring SharePoint

Configuring ForeFront

### **Lab : Forefront**

Install Microsoft Forefront

Configure Microsoft ForeFront



## Course Outline

### ***Module 10: Information Management Policy***

#### **Lessons**

There are only labs in this module.

#### **Lab : Information Management Policy**

Create a basic policy (Manual)

Use a policy

### ***Module 11: Single Sign On***

#### **Lessons**

Setup

Configuring

Using

Applications Scenarios

#### **Lab : Single Sign On**

Learn how to Configure Single Sign On

Program web parts to use Single Sign On

### ***Module 12: Logging Settings***

#### **Lessons**

There is only a lab in this module.

#### **Lab : Logging Settings**

Learn to Debug SharePoint via Log Files

### ***Module 13: Usage Analysis Processing***

#### **Lessons**

Configuring

Architecture

Reports

Troubleshooting

Custom Log Processing

#### **Lab : Usage Analysis Processing**

Enable Usage Analysis Processing (UAP)

Use UAP



## Course Outline

### ***Module 14: Content Deployment***

#### **Lessons**

There is only a lab in this module.

#### **Lab : Content Deployment**

Setup Content Deployment Path and Jobs  
Quick Deployment  
Debug Content Deployment

### ***Module 15: Back Up and Restore***

#### **Lessons**

Backup Techniques  
Disaster Recover Techniques  
Restore Techniques

#### **Lab : Backup Central Administration**

Use Central Administration to Back up and Restore (Farm)

#### **Lab : Back up SQL Server**

Use SQL Server to Back up SharePoint

#### **Lab : Backup Stsadm**

Use Stsadm to back up and restore a Farm  
Use Stsadm to export a site collection  
Use Stsadm to export a single site

#### **Lab : Back up SiteList Template**

Create a List Template  
Create a Site Template  
Create a Site from the new Site Template  
Create a List from the new List Template

#### **Lab : Back up SharePoint Designer**

SharePoint Designer Backup (Web Package)  
SharePoint Designer Backup (Content Migration)  
SharePoint Designer Backup (Site Template)

### ***Module 16: Timer Jobs***

#### **Lessons**

Timer Service  
Timer Job



## Course Outline

SPJobDefinition Class  
WSS Timer Jobs  
MOSS Timer Jobs

### **Lab : TimerJobs**

Explore SharePoint Timer Jobs  
Disable a job  
Disable the Timer Service

## ***Module 17: Shared Services Provider***

### **Lessons**

Shared Services Overview  
Shared Services Components  
Shared Services Features  
Life with and without SSP  
Installing

### **Lab : Shared Services Provider**

Create an Shared Service Provider  
Configure multiple SSPs  
Configure global "My Sites"

## ***Module 18: Application Security***

### **Lessons**

SharePoint Security  
Custom Authentication  
Code Access Security  
Securing Communications

### **Lab : Application Security**

Application Pools  
Web Application Security  
Site\List\Item level Security  
SSL Security

### **Lab : Custom Authentication**

Change the default Authentication Method of SharePoint to use a custom Membership Provider (ASP.NET 2.0)

## ***Module 19: InfoPath Services***

### **Lessons**

InfoPath 2007  
InfoPath and Windows Workflow



## Course Outline

InfoPath Forms Services  
Best Practices

### **Lab : InfoPath Services**

Review MOSS Forms  
Publish/Upload a Form to Forms Library  
Verify/Upload/Activate a Form with IFS

## ***Module 20: Business Data Catalog***

### **Lessons**

Business Data Catalog Overview

### **Lab : Business Data Catalog**

Import an application definition file  
Utilize BDC web parts  
Utilize Filter web parts

### **Lab : BDC Application Definition Files**

Review BDC Schema  
Create a BDC File (manually)  
Create a BDC File (Code Gen)

### **Lab : BDC Permissions**

DataSource Permission Errors  
Application Permission Errors  
Entity Permission Errors

### **Lab : BDC Authentication**

Modify BCD to Use Database Credentials  
Modify BDC to Use Single Sign On  
Custom Single Sign On Solution

### **Lab : BDC Profiles**

Search and BDC Integration  
BDC Entity Profile

## ***Module 21: Search***

### **Lessons**

Search Overview  
Performing Searches  
Tuning Search  
Extending Search



## Course Outline

### **Lab : Search**

- Create Content Source
- Create Crawl Schedules
- Crawl All Scopes
- Create Crawl Rule
- Create Search Scopes
- Add a File Type
- Set Default Access Account
- Query Crawl Logs

### **Lab : Tuning Search**

- Relevance
- Keyword and Best Bets
- Thesaurus
- Noise Words

### **Lab : Customizing Search**

- Customize Search Results

## ***Module 22: Excel Services***

### **Lessons**

- Excel Services Trusted Locations
- Shared Data Connections
- User Defined Functions
- Excel Services Web Parts
- Excel Services Object Model/Web Service

### **Lab : Excel Services**

- Learn to use Excel Services
- Create/Publish to Excel Services
- Configure Excel Services
- Shared Data Connections
- Single Sign On Data Connections

## ***Module 23: User Profiles My Sites***

### **Lessons**

- User Profile Overview
- User Profile Settings
- My Sites

### **Lab : User Profiles**

- Configure User Profiles (Active Directory)
- Configure Import Connections



## Course Outline

Configure Profile Properties

### **Lab : My Sites**

Create your My Site

Your Profile

Colleagues

Colleagues - Tracking Changes

Explore Memberships

Explore In Common With

Documents

Configuring My Calendar Web Part

RSS Viewer

Personal vs Shared Views

My Links

### ***Module 24: Performance Optimization***

#### **Lessons**

Capacity Planning

Performance Optimization Techniques

#### **Lab : Performance Optimization**

Database Tuning (Recovery Mode)

Database Tuning (TempDB)

Database Tuning (Indexes)

Warm-up Scripts and Application Pool Timeout

#### **Before attending this course, students must have:**

- Experience managing windows server environments
- Understanding of database and web application architecture fundamentals