

## Administering SharePoint® Server 2010: Hands-On - 4 Days

*Course 1510 Overview*

- You Will Learn How To**
- Plan, install, administer and secure a SharePoint Server 2010 farm
  - Build effective web application and site collection hierarchies
  - Configure service applications for search indexing, profile import and metadata
  - Establish claims-based authentication to control access
  - Maintain server health through monitoring
  - Protect data with an effective backup and recovery strategy
- Course Benefits** SharePoint Server 2010 provides organizations with mission-critical enterprise content management capabilities and allows organizations to improve collaboration and knowledge sharing. In this course, you gain the skills needed to install, administer, secure and optimize SharePoint Server 2010. You learn to effectively monitor system performance using the Health Analyzer and configure sandbox solutions with the Developer Dashboard.
- Who Should Attend** Anyone responsible for administering a SharePoint 2010 environment. Knowledge at the level of Course 1501, "SharePoint 2010 Technologies Comprehensive Introduction," or experience with a previous version of SharePoint, is assumed. Experience with a Windows Server environment is helpful.
- Hands-On Training** Throughout an in-depth case study, you gain extensive hands-on experience administering SharePoint 2010. Exercises include:
- Installing a new SharePoint 2010 farm
  - Synchronizing Active Directory with profiles
  - Indexing website and file share content
  - Authenticating users with the claims-based model
  - Creating a social website with My Sites
  - Checking SharePoint with Health Analyzer jobs
  - Recovering a list from an unattached database
  - Configuring a KPI scorecard

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## Course 1510 Outline

### SharePoint Architecture Overview

#### Exploring SharePoint 2010 features

- Comparing SharePoint 2010 editions
- Working with graphical and command line tools
- Automating administration with PowerShell
- Reviewing SharePoint terminology

### Planning and Implementing a SharePoint Installation

#### Designing a server farm

- Determining system requirements
- Mapping requirements to the SharePoint topology
- Selecting a suitable edition and installation option
- Contrasting on-premises and cloud deployments

#### Installing SharePoint Server 2010

- Choosing a SQL Server edition
- Upgrading from SharePoint 2007
- Creating a new SharePoint 2010 farm installation

#### Deploying custom software

- Taking advantage of the Developer Sandbox
- Debugging software deployment using the Developer Dashboard

### Managing Web Applications

#### Creating IIS websites

- Selecting an authentication mode
- Handling multiple URLs with Alternate Access Mappings
- Extending a web application to enable multiple authentication modes

#### Adding site collections

- Choosing a suitable site template
- Controlling growth using quotas
- Changing site collection owners

#### Configuring a content database

- Sizing SharePoint databases based on content
- Implementing the Remote BLOB Service to optimize storage

### Configuring Service Applications

#### Designing an effective search strategy

- Improving performance with FAST Search
- Indexing PDF files using IFilter
- Custom Search Content Areas

#### Importing Active Directory profiles

- Defining and mapping profile attributes
- Creating effective audience rules to display personalized content
- Implementing social networking using My Sites

#### Managing metadata

- Establishing term stores for data tagging
- Contrasting terms and keywords

#### Integrating external data using Business

##### Connectivity Services (BCS)

- Defining external content types
- Managing credentials using Secure Store Service
- Reading and writing data from external systems

#### Presenting BI information

- Creating KPIs with the Dashboard Designer
- Configuring a BI center to expose content

### Securing SharePoint 2010

#### Authenticating with the server

- Contrasting Kerberos with NTLM
- Implementing claims-based authentication
- Allowing anonymous users to connect
- Streamlining security using managed accounts

#### Controlling access with permissions and roles

- Managing farm-wide permissions with the Farm Passphrase
- Defining independent object permissions by breaking inheritance
- Simplifying permission assignment with roles and groups

### Monitoring and Optimizing

#### Performance

##### Keeping SharePoint healthy

- Setting up Health Analyzer jobs
- Diagnosing issues with the Unified Logging Service and the Usage Database
- Defining rules to manage server health
- Tracking SharePoint with System Center Operations Manager (SCOM)

### Disaster Recovery

#### Developing an effective backup strategy

- Backing up farms and site collections
- Restoring content databases
- Implementing mirroring and clustering techniques
- Retrieving documents from an unattached content database