

55355 : SharePoint 2016 Administration

Course Outline

Module 1: Hardware, Installation, and Patching

This module covers the planning and architecture of the SharePoint platform, including hardware requirements and configurations. It involves SQL good practices and a step-by-step installation of a SharePoint server.

Lessons:

- Building a Min Role Farm
- Viewing ULS Logs
- Documenting and Checking IIS Settings

Lab 1: Hardware and Installation

- Build a Farm using Min Role
- View ULS Logs
- Document IIS Settings

Outcomes:

- Build a SharePoint 2016 farm using Min Role.
- View SharePoint 2016 ULS Logs.
- Check and document IIS Settings for SharePoint 2016.

Module 2: Farm Management

Explore Central Administration and PowerShell management, including configuration options and post-installation practices.

Lessons:

- Managing the SharePoint Farm Administrators group
- Configuring Outgoing and Incoming Email
- Configuring Diagnostic and Usage Log Options

Lab 1: Farm Management

- Manage the Farm Administrators group
- Configure Outgoing and Incoming Email
- Configure Diagnostic and Usage Log options

Outcomes:

- Manage the SharePoint 2016 Farm Administrators group.
- Set up outgoing and incoming email.
- Configure diagnostic and usage log options.

Module 3: Web Applications

This module examines changes to Web Applications, including SSL certificate usage and host-named site collections.

Lessons:

- Defining a new Managed Account
- Adding IP Addresses to a SharePoint Server
- Creating Claims-Based Web Applications

Lab 1: Web Applications

- Define a new Managed Account
- Add IP addresses

- Create Claims-based and Hosting web applications

Outcomes:

- Define a new Managed Account.
- Add new IP Addresses to a SharePoint server.
- Create claims-based web applications in both CA and PowerShell.

Module 4: Site Collections

Learn about creating and managing Site Collections, including database sizing and migration practices.

Lessons:

- Creating Managed Paths and Site Collections
- Managing Site Collections using Central Administration and PowerShell

Lab 1: Site Collections

- Create a Managed Path
- Create Site Collections in CA and PowerShell

Outcomes:

- Create new managed paths and site collections in SharePoint 2016.

Module 5: Service Applications

This module focuses on new, changed, and deprecated components in SharePoint 2016 regarding service applications.

Lessons:

- Creating State, Search, and Managed Metadata Service Applications

Lab 1: Service Applications

- Create the State, Search, and Managed Metadata Services

Outcomes:

- Create various Service Applications in SharePoint.

Module 6: Application Management

Learn to set up an on-premise App marketplace hub and maintain control over apps.

Lessons:

- Configuring DNS, Subscription Settings, and App Catalogs

Lab 1: Application Management

- Create new IP addresses, configure DNS, and add apps to the catalog

Outcomes:

- Manage applications effectively within SharePoint.

Module 7: Managing the User Profile Service

Explore building the User Profile Application and synchronizing profiles from various sources.

Lessons:

- Creating My Site Web Applications and User Profile Service Applications

Lab 1: Managing the User Profile Service

- Create My Site Web Application and configure synchronization

Outcomes:

- Build and manage user profiles effectively in SharePoint.

Module 8: Search

Investigate the architecture of the Search Service and its components.

Lessons:

- Viewing Search Topology and configuring search schemas

Lab 1: Search

- Create an Enterprise Search Center and configure content sources

Outcomes:

- Manage and optimize search capabilities in SharePoint.

Module 9: Office Online Server

Learn to deploy the on-premises version of Office Online Server and its integration with SharePoint.

Lessons:

- Installing prerequisites and connecting to SharePoint

Lab 1: Office Online Server

- Complete the installation and connectivity tests

Outcomes:

- Deploy and configure Office Online Server for SharePoint.

Module 10: Enterprise Content Management

Focus on components that support Lifecycle management and EDiscovery in SharePoint.

Lessons:

- Creating site policies, discovery sets, and configuring records management

Lab 1: ECM

- Implement site policies and configure DLP

Outcomes:

- Manage enterprise content efficiently within SharePoint.

Module 11: Web Content Management

Explore publishing features including multi-language site variations and content deployment.

Lessons:

- Configuring cross-site publication and content deployment

Lab 1: WCM

- Implement cross-site publication and content deployment

Outcomes:

- Manage and deploy web content effectively.

Module 12: Workflow Server

Understand how to build and deploy workflows with Workflow Manager in SharePoint.

Lessons:

- Installing Workflow Manager and configuring the workflow farm

Lab 1: Workflow

- Install Workflow Manager and register workflows

Outcomes:

- Create and manage workflows within SharePoint.