

MS-301: Deploying SharePoint Server Hybrid

Course Summary

Description

This course provides the new modern experiences for users, that are both intuitive and familiar in SharePoint Online. In this course you will learn how to deploy and configure the SharePoint Server 2019. We will also discuss how to plan and configure SharePoint on premise authentication and security to protect the environment. You will also learn how to manage SharePoint content to align with modern information architecture.

SharePoint Server 2019 is designed to meet the demands of modern workstyles. It provides the new modern experiences for users, that are both intuitive and familiar in SharePoint Online. In this course you will learn how to plan, configure, and manage service applications in SharePoint 2019, such as Managed Metadata, Business Connectivity Services, and enterprise search. This course is designed for IT Professionals who deploy and manage the teamwork infrastructure in their organization.

Objectives

After taking this course, students will be able to:

- Describe the MinRole feature in SharePoint 2019
- Describe how to install and configure SharePoint 2019.
- Describe how to implement high availability for SharePoint
- Describe the authentication infrastructure in SharePoint 2019.
- Explain the concepts behind federated identity.
- Describe how to create site collections.
- Describe how to plan for authorization in SharePoint 2019.
- Provision a BDC Service Application instance.
- Configure the Secure Store Service application.
- Describe how to configure My Sites in SharePoint 2019.
- Describe how to configure the User Profile Service Application.
- Describe how to plan SharePoint Active Directory import and synchronization.
- Explain how to create and publish a content type across site collections.
- Identify the capabilities of the managed metadata service.
- Configure term sets and terms for managed navigation.
- Describe the function of search components.
- Explain how to plan and configure a search topology.
- Describe how to configure search center.
- Describe the available SharePoint Hybrid Scenarios.
- Describe the requirements for SharePoint hybrid configuration.
- Plan for SharePoint Server hybrid.
- Configure SharePoint hybrid scenarios.
- Configure on-premises data gateway.
- Describe difference between cloud hybrid search and hybrid federated search.
- Evaluate different types of hybrid search.
- Configure cloud hybrid search.
- Configure hybrid search results

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Course Summary (cont'd)

Topics

- SharePoint Infrastructure
- SharePoint Authentication and Security
- SharePoint Content Management
- Course Conclusion
- SharePoint Service Applications
- Plan and configure Managed Metadata
- Plan and Configure Search
- Course Conclusion
- Overview of SharePoint Hybrid Scenarios
- Implement SharePoint Hybrid Scenarios
- Implement SharePoint Hybrid search

Audience

This course is for the Microsoft 365 teamwork administrator role. The role is responsible for configuring, deploying, and managing Office 365 and Azure workloads that focus on efficient and effective collaboration and adoption. They manage apps, services, and supporting infrastructure to meet business requirements. The administrator is aware of and can differentiate between products and services but may not directly manage each product or service. The Teamwork administrator must be able to deploy, manage, migrate, and secure SharePoint (online, on-premises, and hybrid), OneDrive, and Teams. The Teamwork administrator has a fundamental understanding of integration points with the following apps and services: Office, PowerApps, Flow, Yammer, Microsoft Graph, Stream, Planner, and Project. The administrator understands how to integrate third-party apps and services including line-of-business applications.

Prerequisites

Learners should start this course already having the following skills:

- Experience with Windows PowerShell.
- Basic understanding of SQL Server management.
- Basic understanding of networking, including DNS.
- Working knowledge of windows server administration.
- Basic understanding of Active Directory and Azure AD.
- Basic understanding of mobile device management, and alternative operating systems (Android and macOS).

Duration

Five days

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Course Outline

I. SharePoint Infrastructure

This module is about fundamental SharePoint Infrastructure. It describes the components in SharePoint farm. It also discusses how to install and configure SharePoint farm.

- A. Plan a SharePoint Farm
- B. SharePoint 2019
- C. Install and Manage SharePoint Farm

II. SharePoint Authentication and Security

This module is about SharePoint Authentication and Security. It introduces different authentication methods in SharePoint 2019.

- A. Plan Authentication
- B. Configure Federated Authentication

III. SharePoint Content Management

This module is about SharePoint Content Management. It discusses the content structure in SharePoint. It also provides details on authorization and content access in SharePoint.

- A. SharePoint Content Structure Overview
- B. Manage Access to Content
- C. Manage Site Collections

IV. Course Conclusion

Lab : Creating and configuring web applications

V. SharePoint Service Applications

This module is all about SharePoint service applications and workflow. It describes how to provision and manage a BCS service application and User Profile service application. Specifically, we discuss how to import and export BDC models as well as how to import user properties to SharePoint.

- A. SharePoint Service Applications and workflow
- B. Plan and Configure Business Connectivity Services (BCS) and Secure Store
- C. Plan and Configure User Profiles

VI. Plan and configure Managed Metadata

This module is about the integral functionalities, such as the Managed Metadata Service, content types, and term sets, that allow you to create and disseminate an information architecture. It introduces the purpose of content types as well as the concepts behind the managed metadata

service, including taxonomies, term sets, and enterprise keywords.

- A. Manage Content Types
- B. Managed Metadata
- C. Configure the Managed Metadata Service

VII. Plan and Configure Search

This module is about enterprise search service application. It provides details on planning and configuring content sources, crawl schedules, and crawl rules. It also discusses how to provision search management of a range of search components, such as Query Rules, Result Types and Display Templates.

- A. Plan enterprise search
- B. Configure enterprise search
- C. Manage enterprise search
- D. Module 4: Course Conclusion

Lab : Configuring Enterprise Search

VIII. Overview of SharePoint Hybrid Scenarios

This module is all about planning SharePoint Server hybrid. It provides an overview of SharePoint hybrid scenarios as well as requirements for configuration.

- A. Overview of SharePoint Hybrid Scenarios
- B. Plan SharePoint Server hybrid

IX. Implement SharePoint Hybrid Scenarios

This module is focused on implementing SharePoint hybrid scenarios. Specifically, it discusses the hybrid configuration roadmaps, including the configuration of hybrid infrastructure and hybrid picker. It also introduces On-premises data gateway to enable using Office 365 feature in SharePoint Server 2019.

- A. Implement SharePoint Hybrid Scenarios
- B. Configure on-premises data gateway

X. Implement SharePoint Hybrid search

This module is focused on SharePoint hybrid search. It introduces different types of hybrid search, including cloud hybrid search and hybrid federated search. It explains how to set up hybrid search and configure search results.

- A. Overview of SharePoint hybrid search
- B. Configure SharePoint Hybrid search
- C. Module 4: Course Conclusion

Lab : Configuring SharePoint Hybrid