



Deploying SharePoint Server Hybrid

Teamwork Administrator Associate

DURATION: 5 DAYS

COURSE CODE: MS-301

FORMAT: LECTURE/LAB

WHY FIREFLY

Firefly is trusted by customers, technology vendors and channel partners around the world to deliver highly effective, immersive educational experiences. Our innovative, role-based Microsoft training covers all of the latest certifications, from Azure to Server 2016 to SQL to the modern desktop, and is designed engineers the skills they need to remain relevant in today's multicloud world.

PREREQUISITES

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)

WHO SHOULD ATTEND

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.

LEARNING OBJECTIVES

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

Plan for content migration process

Describe available resources and tools to leverage during migration process

Access data to be migrated using SharePoint Migration Assessment Tool (SMAT)

Migrate content to the cloud using SharePoint Migration Tool (SPMT)

Manage and monitor migration process

MS-301T01-A: Implementing SharePoint 2019 Infrastructure

DESCRIPTION

SharePoint Server 2019 is designed to meet the demands of modern work-styles. 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 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.

This course is designed for IT Professionals who deploy and manage the teamwork infrastructure in their organization.

This is the first in a series of four courses for the Teamwork administrator. These courses help prepare for the exam MS-301: Deploying SharePoint Server Hybrid.

COURSE OUTLINE

1. Developing Long-Running Tasks and Distributed Transactions

- Implementing large-scale, parallel, and high-performance apps using batches

- HPC using Microsoft Azure Virtual Machines

- Implementing resilient apps by using queues As well as, implementing code to address application events by using webhooks. Implementing a webhook gives an external resource a URL for an application. The external resource then issues an HTTP request to that URL whenever a change is made that requires the application to take an action.

2. Configuring a Message-Based Integration Architecture

- Configure an app or service to send emails

- Configure an event publish and subscribe model

- Configure the Azure Relay service

- Configure apps and services with Microsoft Graph

3. Developing for Asynchronous Processing

- Implement parallelism, multithreading, and processing

- Implement Azure Functions and Azure Logic Apps

- Implement interfaces for storage or data access

- Implement appropriate asynchronous computing models

- Implement autoscaling rules and patterns

4. Developing for Autoscaling

- Implementing autoscaling rules and patterns

- Implementing code that addresses singleton application instances

- Implementing code that addresses a transient state

5. Developing Azure Cognitive Services Solutions

- Developing Solutions using Computer Vision

- Developing solutions using Bing Web Search

- Developing solutions using Custom Speech Service

- Developing solutions using QnA Maker

MS-301T02-A: Implementing SharePoint 2019 Service Applications

DESCRIPTION

SharePoint Server 2019 is designed to meet the demands of modern work-styles. 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.

This is the second in a series of four courses for the Teamwork administrator. These courses help prepare for the exam MS-301: Deploying SharePoint Server Hybrid.

COURSE OUTLINE

1. 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.

SharePoint Service Applications and workflow

Plan and Configure Business Connectivity Services (BCS) and Secure Store

Plan and Configure User Profiles

2. 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.

Manage Content Types

Managed Metadata

Configure the Managed Metadata Service

3. 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.

Plan enterprise search

Configure enterprise search

Manage enterprise search

4. Course Conclusion

Lab : Configuring Enterprise Search

MS-301T03-A: Implementing SharePoint Hybrid Scenarios

DESCRIPTION

The business climate has changed. People want to communicate without collaborative barriers. Businesses want solutions that are both cost-effective and flexible. A hybrid environment enables enterprise users to be connected from almost anywhere to the resources and content they need. In this course you will learn how to plan and implement SharePoint hybrid scenarios which provide seamless users experience. We will also further discuss SharePoint hybrid search which gives users easy access to the files they need.

This course is designed for IT Professionals who deploy and manage the teamwork infrastructure in their organization.

This is the third in a series of four courses for the Teamwork administrator. These courses help prepare for the exam MS-301: Deploying SharePoint Server Hybrid.

COURSE OUTLINE

1. 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.

Overview of SharePoint Hybrid Scenarios

Plan SharePoint Server hybrid

2. 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.

Implement SharePoint Hybrid Scenarios

Configure on-premises data gateway

3. 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.

Overview of SharePoint hybrid search

Configure SharePoint Hybrid search

4. Course Conclusion

Lab : Configuring SharePoint Hybrid

MS-301T04-A: Migrating to SharePoint Online

DESCRIPTION

The business climate has changed. People want to communicate without collaborative barriers. Businesses start to consider migrating content to the cloud as the solution that are cost-effective and enable users to be connected from almost anywhere to the resources and content they need. In this course you will learn how to plan the content migration process as well as available resources and tools to use while migrating content to SharePoint Online and OneDrive for Business. Specifically, this course covers how to use SharePoint Migration Assessment Tool (SMAT) and SharePoint Migration Tool (SPMT) with different migration scenarios.

This course is designed for IT Professionals who deploy and manage the teamwork infrastructure in their organization.

This is the last in a series of four courses for the Teamwork administrator. These courses help prepare for the exam MS-301: Deploying SharePoint Server Hybrid.

COURSE OUTLINE

1. Introduction of Migration

This module is all about planning the migration process to the cloud. It provides an overview of resources and tools to leverage during migration process.

Migration Overview

Leveraging FastTrack and Partner Services

2. Migrating to SharePoint Online

This module is focused on using SharePoint Migration Tool (SPMT) to migrate content to the cloud. Specifically, it discusses the requirement and limitation of SPMT. It introduces different migration methods for different data source, such as file shares and SharePoint content.

Prepare for migration

Migrate content to the cloud

Manage and monitor migration process

3. Course Conclusion

Lab : Migrating files to SharePoint Online