

# MS-301T01-A: Implementing SharePoint 2019 Infrastructure

## OBJECTIVE

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 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 TOPICS

### Module 1: 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.

#### Lessons

- Plan a SharePoint Farm
- SharePoint 2019
- Install and Manage SharePoint Farm

After completing this module, 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
- Plan farm backups and restore

### Module 2: SharePoint Authentication and Security

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

#### Lessons

- Plan Authentication
- Configure Federated Authentication

After completing this module, students will be able to:

- Describe the authentication infrastructure in SharePoint 2019
- Describe NTLM and Kerberos authentication
- Describe server-to-server authentication
- Explain the concepts behind federated identity

### Module 3: 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.

#### Lessons

- SharePoint Content Structure Overview
- Manage Access to Content
- Manage Site Collections

After completing this module, students will be able to:

- Explain the site collection concepts
- Describe how to create site collections
- Describe how to plan for authorization in SharePoint 2019
- Describe how to manage permissions levels in SharePoint 2019
- Describe how to manage SharePoint groups in SharePoint 2019

### 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)

### TRAINING APPROACH

This course includes lectures, course notes, exercises and hands-on practice.

### COURSE DURATION

8 Hours (1 day)

Time: 9:00am to 6:00pm

Lunch Time: 1:00pm to 2:00pm

### CERTIFICATION COMPLETION

A certificate of completion is provided for all trainees attending the course.