

20339-1: Planning and Administering SharePoint® 2016

Duration: 5 Days

Method: Instructor-Led

*Certification: Microsoft® Certified Solutions Expert (MCSE): Productivity —
Exam: 70-339 Managing Microsoft® SharePoint® Server 2016*

Course Description

This course will provide you with the knowledge and skills to plan and administer a Microsoft® SharePoint® 2016 environment. The course teaches you how to deploy, administer, and troubleshoot your SharePoint® environment. This course also provides guidelines, best practices, and considerations that help you optimise your SharePoint® deployment.

Target Audience

This course is intended for:

- Experienced IT professionals who are interested in learning how to install, configure, deploy, and manage SharePoint® 2016 installations either in a data center or in the cloud.
- Business Application Administrators (BAAs) who are actively engaged in administering line-of-business (LOB) projects in conjunction with internal business customers working with SharePoint® 2016.

Prerequisites

To attend this course, participants must have:

- At least one-year of experience with deploying and administering multiple SharePoint® 2013 farms across a large enterprise.
 - Because many customers have not upgraded from SharePoint® 2010, a candidate can also have at least two years of experience with SharePoint® 2010. However, they also must understand the differences between SharePoint® 2010 and SharePoint® 2013, particularly in terms of hybridization.

Participants must also have the following technical knowledge:

- Software management in a Windows Server® 2012 or Windows Server® 2012 R2 enterprise server environment.
- Deploying and managing applications natively, virtually, and in the cloud.
- Administering IIS.
- Configuring AD DS for use in authentication, authorization, and as a user store.



Prerequisites, *Continued*

- Managing an application remotely by using Windows PowerShell® 4.0.
- Managing databases and server roles in SQL Server®.
- Connecting applications to SQL Server®.
- Implementing claims-based security.
- Using Microsoft® Hyper-V® virtual machines.

Course Objectives

Upon successful completion of this course, participants will be able to:

- Describe the key features of SharePoint® 2016.
- Design an information architecture for a SharePoint® 2016 deployment.
- Design a logical architecture for a SharePoint® 2016 deployment.
- Design the physical architecture for a SharePoint® 2016 deployment.
- Install and configure SharePoint® 2016.
- Create and configure web applications and site collections.
- Plan and configure service applications for a SharePoint® 2016 deployment.
- Manage users and permissions, and secure content in a SharePoint® 2016 deployment.
- Configure authentication in a SharePoint® 2016 deployment.
- Configure platform and farm-level security in a SharePoint® 2016 deployment.
- Manage information taxonomy in SharePoint® web applications and site collections.
- Configure and manage user profiles and audiences.
- Configure and manage the search experience in SharePoint® 2016.
- Monitor, maintain, and troubleshoot a SharePoint® 2016 deployment.

Course Content

Module 1: Introducing SharePoint® 2016

- Key components of a SharePoint® deployment
- New features in SharePoint® 2016
- SharePoint® 2016 deployment options

Module 2: Designing an Information Architecture

- Identifying business requirements
- Understanding business requirements
- Organizing information in SharePoint® 2016
- Planning for discoverability

Module 3: Designing a Logical Architecture

- Overview of the SharePoint® 2016 logical architecture
- Documenting your logical architecture



Course Content, *Continued*

Module 4: Designing a Physical Architecture

- Designing physical components for SharePoint® deployments
- Designing supporting components for SharePoint® deployments
- SharePoint® farm topologies
- Mapping a logical architecture design to a physical architecture design

Module 5: Installing and Configuring SharePoint® 2016

- Installing SharePoint® 2016
- Scripting installation and configuration of SharePoint®
- Configuring SharePoint® 2016 farm settings

Module 6: Creating Web Applications and Site Collections

- Creating web applications
- Configuring web applications
- Creating and configuring site collections

Module 7: Planning and Configuring Service Applications

- Introduction to the service application architecture
- Creating and configuring service applications

Module 8: Managing Users and Permissions, and Securing Content

- Configuring authorization in SharePoint® 2016
- Managing access to content

Module 9: Configuring Authentication for SharePoint® 2016

- Overview of authentication
- Configuring federated authentication
- Configuring server-to-server authentication

Module 10: Securing a SharePoint® 2016 Deployment

- Securing the platform
- Configuring farm-level security

Module 11: Managing Taxonomy

- Managing content types
- Understanding managed metadata
- Configuring the managed metadata service

Module 12: Configuring User Profiles

- Configuring the User Profile Service Application
- Managing user profiles and audiences



Course Content, *Continued*

Module 13: Configuring Enterprise Search

- Understanding the Search Service Application architecture
- Configuring Enterprise Search
- Managing Enterprise Search

Module 14: Monitoring and Maintaining a SharePoint® 2016 Environment

- Monitoring a SharePoint® 2016 environment
- Tuning and optimizing a SharePoint® 2016 environment
- Planning and configuring caching
- Troubleshooting a SharePoint® 2016 environment

LABS INCLUDED

