

# 20339-1 Planning and Administering SharePoint 2016

## Course Overview

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This is a 5-day class

This five-day 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 optimize your SharePoint deployment. This course is for an on-premise SharePoint environment.

## Who Should Attend

The course is targeted at 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.

Students typically have more than one year of hands-on experience\* with planning and maintaining SharePoint and two years' experience with other core technologies on which SharePoint depends, including Windows Server 2012 R2 or later, Internet Information Services (IIS), Microsoft SQL Server 2014 or later, Active Directory Domain Services (AD DS), and networking infrastructure services.

## Course Objectives

After completing this course, students 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 Outline

### 1 Introducing SharePoint 2016

The key components of a SharePoint deployment  
New features in SharePoint 2016  
SharePoint 2016 deployment options

### 2 Designing an information architecture

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

### 3 Designing a logical architecture

Overview of a SharePoint 2016 logical architecture  
Documenting your logical architecture

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## 4 Designing a physical architecture

Designing the physical requirements of a SharePoint deployment  
Designing supporting software for the physical components of a SharePoint deployment  
SharePoint farm topologies  
Mapping a logical architecture design to a physical architecture design

## 5 Installing and configuring SharePoint 2016

Installing SharePoint 2016  
Scripting the installation and configuring a SharePoint 2016 environment  
Configuring SharePoint 2016 farm settings

## 6 Creating web applications and site collections

Creating web applications  
Configuring web applications  
Creating and configuring site collections

## 7 Planning and configuring service applications

Introduction to the service application architecture  
Creating and configuring service applications

## 8 Managing users, permissions, and securing content

Configuring authorization in SharePoint 2016  
Managing access to content

## 9 Configuring authentication for SharePoint 2016

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

## 10 Securing a SharePoint 2016 deployment

Securing the platform  
Configuring farm-level security

## 11 Managing taxonomy

Managing content types  
Understanding managed metadata  
Configuring the managed metadata service

## 12 Configuring user profiles

Configuring the User Profile service application  
Managing user profiles and audiences

## 13 Configuring Enterprise Search

Understanding the Search service architecture  
Configuring the Search service  
Managing Enterprise Search

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## 14 Monitoring and maintaining a SharePoint 2016 environment

Monitoring a SharePoint environment  
Tuning and optimizing a SharePoint environment  
Planning and configuring caching  
Troubleshooting a SharePoint environment