

20339-1 Planning and Administering SharePoint 2016

Overview

This course will provide students with the knowledge and skills to plan and administer a Microsoft SharePoint 2016 environment. The course teaches students how to deploy, administer, and troubleshoot their SharePoint environment.

Prerequisite Comments

Before attending this course, students must have knowledge of: 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; 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.

Target Audience

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.

[Register Online](#)

Schedule

Class Length: 5 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"
ILT = "Instructor-Led-Training"

This course is not currently available on the public schedule. Please contact us using the information in the footer below to inquire about future dates or to schedule a private class.

Course Outline

Introducing SharePoint 2016

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

Designing an Information Architecture

Identifying business requirements
Understanding business requirements for information architecture
Organizing information in SharePoint 2016
Planning for discoverability
Lab: Designing an information architecture - Part one
Lab: Creating an information architecture - Part two

Designing a Logical Architecture

Overview of a SharePoint 2016 logical architecture
Documenting your logical architecture
Lab: Designing a logical architecture

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
Lab: Designing a physical architecture

Installing & Configuring SharePoint 2016

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

Creating Web Applications & Site Collections

Creating web applications
Configuring web applications
Creating and configuring site collections
Lab: Creating and configuring web applications
Lab: Creating and configuring site collections

Planning & Configuring Service Applications

Introduction to the service application architecture
Creating and configuring service applications
Lab: Configuring services and service applications

Managing Users, Permissions, and Securing Content

Configuring authorization in SharePoint 2016
Managing access to content
Lab: Managing users and groups
Lab: Securing content in SharePoint 2016

Configuring Authentication for SharePoint 2016

Overview of authentication
Configuring federated authentication
Configuring server-to-server authentication
Lab: Configuring SharePoint 2016 to use federated identities

Securing a SharePoint 2016 Deployment

Securing the platform
Configuring farm-level security
Lab: Configuring SharePoint 2016 communication security
Lab: Configuring farm-level security

Managing Taxonomy

Managing content types
Understanding managed metadata
Configuring the managed metadata service
Lab: Configuring content-type propagation
Lab: Configuring and using the managed metadata service

Configuring User Profiles

Configuring the User Profile service application
Managing user profiles and audiences
Lab: Configuring user profiles
Lab: Configuring and managing user profiles

Configuring Enterprise Search

Understanding the Search service architecture
Configuring the Search service
Managing Enterprise Search
Lab: Configuring Enterprise Search
Lab: Optimizing the search experience

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
Lab: Monitoring a SharePoint 2016 deployment
Lab: Investigating page load times
