5 Days | 20339-1A: Planning and Administering SharePoint 2016

This Microsoft 20339-1A Training, Part I of the series of 2 courses, is a five-day course that equips individuals with the essential knowledge to plan and administer a Microsoft SharePoint 2016 infrastructure.

It teaches you to deploy, administer, and troubleshoot your SharePoint environment through the provision of guidelines, hands-on labs, and considerations that will be an aid in optimizing your SharePoint deployment.

This course is a prerequisite for qualifying the exam of Planning and Administering SharePoint 2016 (70-339-1).

Course Details

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Course Outline

Module 1: Introducing SharePoint 2016

This module introduces the structure and capabilities of a SharePoint environment and the major changes for IT professionals in SharePoint 2016.

Lessons

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

Module 2: Designing an Information Architecture

This module introduces how to gather business requirements and the key elements of a successful information architecture project.

Lessons

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

Module 3: Designing a logical architecture

This module introduces how to approach a logical architecture design and how to document it.

Lessons

- SharePoint 2016 logical architecture Overview
- Documenting your logical architecture

Module 4: Designing a Physical architecture

This module introduces the physical design requirements for SharePoint 2016, and the physical components necessary to fulfill the physical architecture design.

Lessons

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

Module 5: Installing and configuring SharePoint 2016

This module introduces how to install SharePoint 2016 in different topologies, script the installation, and configure a SharePoint 2016 environment.

Lessons

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

Module 6: Creating web applications and site collections

This module introduces how to create web applications in SharePoint 2016 and how to configure these applications.

Lessons

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

Module 7: Planning and configuring service applications

This module introduces the service application architecture in SharePoint 2016, and how to provision and manage service applications.

Lessons

- Introduction of service application architecture
- Creating and configuring service applications

Module 8: Managing users and permissions, and securing content

This module introduces how to configure authorization in SharePoint 2016. It also introduces how to configure site collection security in SharePoint 2016.

Lessons

- Configuring authorization in SharePoint 2016
- Managing access to content

Module 9: Configuring Authentication for SharePoint 2016

This module introduces about the SharePoint 2016 authentication infrastructure, and how to configure claims, providers, and identity federation for SharePoint 2016.

Lessons

- Overview of Authentication
- Configure server-to-server authentication
- Configure federated authentication

Module 10: Securing a SharePoint 2016 deployment

This module introduces how to secure a SharePoint 2016 deployment at the platform level, and how to configure farm-level security settings for a SharePoint 2016 deployment.

Lessons

- Securing the platform
- Configuring farm-level security

Module 11: Managing taxonomy

This module introduces how to create and manage content types and content type propagation.

Lessons

- Managing content types
- Configure the managed metadata service
- Understand managed metadata

Module 12: Configuring User Profiles

This module introduces how to configure the User Profile service application, and manage user profiles and audiences.

Lessons

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

Module 13: Configuring Enterprise Search

This module introduces the Search Service Application and introduces how to configure the Search service in SharePoint 2016.

Lessons

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

Module 14: Monitoring and maintaining a SharePoint 2016 environment

This module introduces how to implement a monitoring plan for SharePoint 2016, and optimize the performance of a SharePoint 2016 deployment

Lessons

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

Who Should Attend

Microsoft 20339-1A training course is intended for IT professionals who are keen to learn how to install, configure, deploy, and manage SharePoint 2016 installations either in a data center or in the cloud.

The candidate should possess the minimal qualifications typically:

- Working knowledge of, and hands-on experience with SharePoint Online.
- Affinity with SharePoint workloads.
- Experience working with business continuity management, including data backup, restoration, and high availability.
- Experience working with authentication and security technologies.
- Experience working with Windows PowerShell.

Pre Requisite

Before taking this course, participants must have knowledge of:

- Deploying and managing applications natively, virtually, and in the cloud.
- Software management in a Windows Server 2012 or Windows Server 2012 server environment.
- Configuring AD DS for use in authentication, authorization, and as a user store.
- Administering IIS.
- Managing databases and server roles in SQL Server.
- Managing an application remotely by using Windows PowerShell 4.0.
- Using Microsoft Hyper-V virtual machines.

Exams

Advanced Technologies of SharePoint 2016 [70-339]

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