



WS-011T00-A

Windows Server 2019 Administration

Course Length : 40 Hours
Professional Series : 5 Days
Academic Series : 6 Weeks

Module 1:

Windows Server Administration Overview

- Introducing Windows Server 2019
- Windows Server Core Overview
- Windows Server administration principles and tools overview

Module 2:

Identity Services in Windows Server

- AD DS Overview
- Deploying Windows Server domain controllers
- Azure AD overview
- Implementing Group Policy
- Active Directory Certificate Services overview

Module 3:

Network Infrastructure services in Windows Server

- Deploying and managing DHCP
- Deploying and managing DNS service
- Deploying and managing IPAM
- Remote Access Services in Windows Server

Module 4:

File Servers and Storage management in Windows Server

- Volumes and File Systems in Windows Server
- Implementing sharing in Windows Server
- Implementing Storage Spaces in Windows Server
- Implementing Data Deduplication
- Implementing iSCSI
- Deploying Distributed File System

Module 5:

Hyper-V virtualization and containers in Windows Server

- Hyper-V in Windows Server
- Configuring VMs
- Securing virtualization in Windows Server
- Containers in Windows Server
- Overview of Kubernetes

Module 6:

High Availability in Windows Server

- Planning for failover clustering implementation
- Creating and configuring failover cluster
- Overview of stretch clusters
- High availability and disaster recovery solutions with Hyper-V VMs

Module 7:

Disaster recovery in Windows Server

- Hyper-V Replica
- Backup and restore infrastructure in Windows Server

Module 8:

Windows Server security

- Credentials and privileged access protection
- Hardening Windows Server
- JEA in Windows Server
- Securing and analyzing SMB traffic
- Windows Server update management

Module 9:

RDS in Windows Server

- Overview of RDS
- Configuring a session-based desktop deployment
- Overview of personal and pooled virtual desktops

Module 10:

Remote access and web services in Windows Server

- Implementing VPNs
- Implementing Always On VPN
- Implementing NPS
- Implementing Web Server in Windows Server

Module 11:

Server and performance monitoring in Windows Server

- Overview of Windows Server monitoring tools
- Using Performance Monitor
- Monitoring event logs for troubleshooting

Module 12:

Upgrade and migration in Windows Server

- AD DS migration
- Storage Migration Service
- Windows Server migration tools

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