

# 55371 Windows Server Administration

**Price:** 3275

**Duration:** 5 days

**Delivery Methods:** Virtual

## Overview

This course explores the fundamental administration skills required to deploy, administer, manage and support Windows Server in an organization.

After completing this course, students will be able to:

- Use administrative techniques and tools in Windows Server
- Implement identity Services
- Manage network infrastructure services
- Configure file servers and storage
- Manage virtual machines using Hyper-V virtualisation and containers
- Implement high availability and disaster recovery solutions
- Apply security features to protect critical resources
- Configure Remote Desktop Services
- Configure a virtual machine-based desktop infrastructure deployment
- Implement remote access and web services
- Implement service monitoring and performance monitoring and apply troubleshooting
- Perform upgrades and migration related to AD DS, and storage.

## MODULE 1: WINDOWS SERVER ADMINISTRATION OVERVIEW

- Introducing Windows Server
- 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

### Course Schedule

Date	Time	Price	Options
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### **What if I have to reschedule my class due to conflict?**

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**What happens once I purchase a class?**

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**What is your late policy?**

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

**What happens when I finish my class?**

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.