# 55371 Windows Server Administration

**Category:** Infrastructure & IT Operations | **Vendor:** Microsoft

**Duration:** 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

This five-day instructor-led course is designed primarily for IT professionals who have some experience with Windows Server. It is designed for professionals who will be responsible for managing identity, networking, storage and compute by using Windows Server, and who need to understand the scenarios, requirements, and options that are available and applicable to Windows Server. The course teaches IT professionals the fundamental administration skills required to deploy and support Windows Server in most organizations.

## About This Course

This five-day instructor-led course is designed primarily for IT professionals who have some experience with Windows Server. It is designed for professionals who will be responsible for managing identity, networking, storage and compute by using Windows Server, and who need to understand the scenarios, requirements, and options that are available and applicable to Windows Server. The course teaches IT professionals the fundamental administration skills required to deploy and support Windows Server in most organizations.

## Who Should Attend

This course is intended for Information Technology (IT) Professionals who have some experience working with Windows Server and are looking for a single five-day course that covers core administration components and technologies in Windows Server. This course also helps server administrators from previous Windows Server versions to update their knowledge and skills related to Windows Server. The course is also for individuals from a service desk role who wish to transition into server maintenance.

## Learning Outcomes

**Upon successful completion of this course, participants will be able to:**

By the end of this training, you’ll be able to manage identity, networking, storage, compute, virtualization, and security within Windows Server. You'll also understand upgrade and migration paths for legacy environments. Deploy and manage core Windows Server infrastructure components Implement and manage AD DS, Group Policy, and identity services Configure networking: DHCP, DNS, IPAM, and remote access Set up Hyper-V virtualization and storage services Manage security, backup, high availability, and disaster recovery

## Detailed Course Outline

### 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

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## Module 1: Windows Server Administration Overview

- Introducing Windows Server
- Windows Server Core Overview
- Administration principles and tools

## Module 2: Identity Services in Windows Server

- AD DS overview and domain controller deployment
- Azure AD and Group Policy
- Certificate Services

## Module 3: Network Infrastructure Services

- Deploying/managing DHCP and DNS
- IPAM
- Remote Access Services

## Module 4: File Servers and Storage Management

- Volumes and File Systems
- Sharing and Storage Spaces
- Data Deduplication, iSCSI, and DFS

## Module 5: Hyper-V and Containers

- Hyper-V setup and VM configuration
- Virtualization security
- Containers and Kubernetes overview

## Module 6: High Availability

- Failover clustering and stretch clusters
- Hyper-V disaster recovery

## Module 7: Disaster Recovery

- Hyper-V Replica
- Backup and restore strategies

## Module 8: Windows Server Security

- Credential protection and JEA
- Server hardening and SMB security
- Update management

## Module 9: Remote Desktop Services (RDS)

- Session-based deployment
- Personal and pooled desktops

## Module 10: Remote Access and Web Services

- VPN and Always On VPN
- NPS and Web Server setup

## Module 11: Server and Performance Monitoring

- Monitoring tools and event logs
- Performance troubleshooting

## Module 12: Upgrade and Migration

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

## Upcoming Schedule

**Available training dates for 55371 Windows Server Administration:**

| Start Date | End Date | Location | Delivery | Price |
|---|---|---|---|---|
| 11 Jan 2027 | 15 Jan 2027 | Online | Virtual | €2,995.00 |

## Additional Course Details

Nexus Humans 55371 Windows Server Administration training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the 55371 Windows Server Administration course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

### Q: What delivery options are available for 55371 Windows Server Administration?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

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### Q: How many CPD hours does this course provide?

The 5-day 55371 Windows Server Administration course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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### Q: What is the duration of the 55371 Windows Server Administration training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

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### Q: Do you provide corporate training for 55371 Windows Server Administration?

Yes, we provide corporate training, dedicated training, and closed classes for 55371 Windows Server Administration. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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### Q: Why choose Nexus Human for 55371 Windows Server Administration?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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### Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your 55371 Windows Server Administration training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.


## Nexus Human

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