55344: Identity with Windows Server

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 teaches IT professionals how to deploy and configure Active Directory Domain Services (AD DS) in a distributed environment, how to implement Group Policy, how to perform backup and restore, and how to monitor and troubleshoot Active Directory - related issues with Windows Server. Additionally, this course teaches students how to deploy other Active Directory server roles, such as Active Directory Federation Services (AD FS) and Active Directory Certificate Services (AD CS). Although this course and the associated labs are written for Windows Server 2022, the skills taught will also be backwards compatible for Server 2016 and Server 2019. The course and labs also focus on how to administer Windows Server using not only the traditional tools such as PowerShell and Server manager, but also Windows Admin Center.

About This Course

This five-day instructor-led course teaches IT professionals how to deploy and configure Active Directory Domain Services (AD DS) in a distributed environment, how to implement Group Policy, how to perform backup and restore, and how to monitor and troubleshoot Active Directory - related issues with Windows Server. Additionally, this course teaches students how to deploy other Active Directory server roles, such as Active Directory Federation Services (AD FS) and Active Directory Certificate Services (AD CS).

Although this course and the associated labs are written for Windows Server 2022, the skills taught will also be backwards compatible for Server 2016 and Server 2019.

The course and labs also focus on how to administer Windows Server using not only the traditional tools such as PowerShell and Server manager, but also Windows Admin Center.

Who Should Attend

This course is primarily intended for existing IT professionals who have some AD DS knowledge and experience and who aim to develop knowledge about identity and access technologies in Windows Server. This would typically include: AD DS administrators who are looking to train in identity and access technologies with Windows Server 2016, Windows Server 2019 or Windows Server 2022. 'system or infrastructure administrators with general AD DS experience and knowledge who are looking to cross-train in core and advanced identity and access technologies in Windows Server 2016, Windows Server 2019 or Windows Server 2022.

Prerequisites & Entry Requirements

General Prerequisites:

- Some exposure to and experience with Active Directory concepts and technologies in Windows Server.
- Experience working with and configuring Windows Server.
- Experience and an understanding of core networking technologies such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP)
- Experience working with and an understanding basic server virtualization concepts.

Learning Outcomes

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

Install and configure domain controllers. Manage objects in AD DS by using graphical tools and Windows PowerShell. Implement AD DS in complex environments. Implement and administer Active Directory Rights Management Services (AD RMS). Implement AD DS sites, and configure and manage replication. Implement and manage Group Policy Objects (GPOs). Manage user settings by using GPOs. Secure AD DS and user accounts. Implement and manage a certificate authority (CA) hierarchy with AD CS. Deploy and manage certificates. Implement and administer AD FS. Implement synchronization between AD DS and Azure AD. Some exposure to and experience with Active Directory concepts and technologies in Windows Server. Experience working with and configuring Windows Server. Experience and an understanding of core networking technologies such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP) Experience working with and an understanding basic server virtualization concepts. Monitor, troubleshoot, and establish business continuity for AD DS services.

Detailed Course Outline

1 - Installing and configuring domain controllers

- **Overview of AD DS**
- **Overview of AD DS domain controllers**
- **Deploying a domain controller**

2 - Managing objects in AD DS

- **Managing user accounts**
- **Managing groups in AD DS**
- **Managing computer objects in AD DS**
- **Using Windows PowerShell for AD DS administration**
- **Implementing and managing OUs**

3 - Advanced AD DS infrastructure management

- **Overview of advanced AD DS deployments**
- **Deploying a distributed AD DS environment**
- **Configuring AD DS trusts**

4 - Implementing and administering AD DS sites and replication

- **Overview of AD DS replication**
- **Configuring AD DS sites**
- **Configuring and monitoring AD DS replication**

5 - Implementing Group Policy

- **Introducing Group Policy**
- **Implementing and administering GPOs**
- **Group Policy scope and Group Policy processing**
- **Troubleshooting the application of GPOs**

6 - Managing user settings with Group Policy

- **Implementing administrative templates**
- **Configuring Folder Redirection, software installation, and scripts**
- **Configuring Group Policy preferences**

7 - Securing Active Directory Domain Services

- **Securing domain controllers**
- **Implementing account security**
- **Implementing audit authentication**
- **Configuring managed service accounts**

8 - Deploying and managing AD CS

- **Deploying CAs**
- **Administering CAs**
- **Troubleshooting and maintaining CAs**

9 - Deploying and managing certificates

- **Deploying and managing certificate templates**
- **Managing certificate deployment, revocation, and recovery**
- **Using certificates in a business environment**
- **Implementing and managing smart cards**

10 - Implementing and administering AD FS

- **Overview of AD FS**
- **AD FS requirements and planning**
- **Deploying and configuring AD FS**
- **Web Application Proxy Overview**

11 - Implementing and administering AD RMS

- **Overview of AD RMS**
- **Deploying and managing an AD RMS infrastructure**
- **Configuring AD RMS content protection**

12 - Implementing AD DS synchronization with Microsoft Azure AD

- **Planning and preparing for directory synchronization**
- **Implementing directory synchronization by using Azure AD Connect**
- **Managing identities with directory synchronization**

13 - Monitoring, managing, and recovering AD DS

- **Monitoring AD DS**
- **Managing the Active Directory database**
- **Active Directory backup and recovery options for AD DS and other identity and access solutions**

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Module 1: Installing and Configuring Domain Controllers

- Understand the role of AD DS
- Explore AD DS domain controller functions
- Deploy and configure a new domain controller

Module 2: Managing Objects in Active Directory Domain Services (AD DS)

- Create and manage user accounts and groups
- Work with computer objects in AD DS
- Use Windows PowerShell for AD DS administration
- Implement and manage organizational units (OUs)

Module 3: Advanced AD DS Infrastructure Management

- Review advanced AD DS deployment options
- Deploy a distributed AD DS environment
- Configure and manage AD DS trusts

Module 4: Implementing and Administering AD DS Sites and Replication

- Understand how AD DS replication works
- Configure AD DS sites for efficiency
- Monitor and troubleshoot AD DS replication

Module 5: Implementing Group Policy

- Introduction to Group Policy concepts
- Create and administer Group Policy Objects (GPOs)
- Define Group Policy scope and processing
- Troubleshoot Group Policy application issues

Module 6: Managing User Settings with Group Policy

- Apply and manage administrative templates
- Configure folder redirection, and scripts
- Set up Group Policy preferences for users and computers

Module 7: Securing Active Directory Domain Services

- Strengthen security for domain controllers
- Implement account and authentication policies
- Audit and monitor logon activity
- Configure managed service accounts

Module 8: Deploying and Managing Active Directory Certificate Services (AD CS)

- Deploy certificate authorities (CAs)
- Administer and maintain CAs
- Troubleshoot common CA issues

Module 9: Deploying and Managing Certificates

- Create and manage certificate templates
- Oversee certificate deployment, and recovery
- Use certificates in business environments
- Implement and manage smart cards

Module 10: Implementing and Administering Active Directory Federation Services (AD FS)

- Introduction to AD FS
- Review AD FS requirements and plan a deployment
- Deploy and configure AD FS
- Understand the role of Web Application Proxy

Module 11: Implementing and Administering Active Directory Rights Management Services (AD RMS)

- Overview of AD RMS functionality
- Deploy and manage an AD RMS infrastructure
- Configure content protection with AD RMS

Module 12: Synchronizing AD DS with Microsoft Azure AD

- Plan and prepare for directory synchronization
- Configure synchronization with Azure AD Connect
- Manage identities in hybrid environments

Module 13: Monitoring, and Recovering AD DS

- Monitor the health and performance of AD DS
- Manage the Active Directory database
- Perform backup and recovery for AD DS and related identity services

Upcoming Schedule

Available training dates for 55344: Identity with Windows Server:

Start Date	End Date	Location	Delivery	Price
04 Jan 2027	08 Jan 2027	Online	Virtual	€2,995.00

Additional Course Details

Nexus Humans 55344 Identity with Windows Server 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 55344 Identity with Windows Server 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 55344: Identity with Windows Server?

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

Q: How many CPD hours does this course provide?

The 5-day 55344: Identity with Windows Server course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the 55344: Identity with Windows Server training?

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

Q: Do you provide corporate training for 55344: Identity with Windows Server?

Yes, we provide corporate training, dedicated training, and closed classes for 55344: Identity with Windows Server. 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.

Q: Why choose Nexus Human for 55344: Identity with Windows Server?

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

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your 55344: Identity with Windows Server training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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