Managing Identity with Active Directory in Windows Server Training

Duration: **5 Day**

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This five-day instructor-led course teaches IT Pros 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, it shows how a Hybrid identity solution can be configured and managed, addressing hybrid management features such as conditional access and device management.

Please note, this course is applicable for learners using Windows Server 2016, Windows Server 2019, Windows Server 2022 and Windows Server 2025.

Prerequisites

Participants should have:

- Some exposure to and experience with AD DS concepts and technologies in Windows Server 2016, 2019, 2022 or 2025
- Experience working with and configuring Windows Server 2016, 2019, 2022 or 2025
- 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 of Microsoft Hyper-V and basic server virtualization concepts.
- An awareness of basic security best practices.
- Hands-on working experience with Windows client operating systems such as Windows 7, Windows 8, Windows 10 or Windows 11.

Target Audience

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 2025, 2022, 2019 or 2016 or 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.

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What You Will Learn

By the end of this course, learners 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 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.
- Monitor, troubleshoot, and establish business continuity for AD DS services
- Implement a Hybrid Active Directory solution with Microsoft Entra ID
- Manage a Hybrid Active Directory environment