MERCURY

Identity with Windows Server 2016 Training Course

25 – 29 April 2027
Online



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Ref: 6080_301317 **Date:** 25 – 29 April 2027 **Location:** Online **Fees:** 2900 Euro

Introduction

The identity with Windows Server 2016 training is ideal for IT professionals with prior knowledge of Active Directory Domain Services AD DS like infrastructure, system administrators, or AD DS administrators.

In this Windows Server 2016 identity management course, you can synchronize AD DS with Microsoft Azure Active Directory. Enhance your Microsoft Windows Server administration fundamentals through this comprehensive Windows Server 2016 course.

This Windows Server 2016 identity management training course is a part of our broader Microsoft Windows server training course offerings that will prepare you for advanced server administration tasks and Windows Identity Foundation Server 2016.

This Windows Server Administration course is designed to imbue participants with the critical skills and knowledge to effectively manage and protect data access and information, streamline identity management, and maintain a highly available and secure Windows Server environment.

Targeted Groups

- IT Professionals seek AD DS knowledge and experience and aim to develop knowledge about identity and access technologies in Windows Server 2016.
- Directory Administrators are looking to train in identity and access technologies with Windows Server 2012 or Windows Server 2016.
- System or infrastructure administrators with general AD DS experience and knowledge are looking to cross-train in core and advanced identity and access technologies in Windows Server 2012 or Windows Server 2016.
- IT professionals seek to consolidate their knowledge about AD DS and related technologies, such as Windows identity within a Windows Server environment.

Course Objectives

By the conclusion of this Windows Server 2016 course outline, participants will master the following:

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- 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.
- Understand the secure AD DS and user accounts.
- Implement and operate a certificate authority CA hierarchy with AD CS.
- Deploy and manage certificates.
- Implement and administer AD FS.
- Implement and administer Active Directory Rights Management Services AD RMS.
- Implement synchronization between AD DS and Azure AD.
- Monitor, troubleshoot, and establish business continuity for AD DS services.

Targeted Competencies

At the end of this Windows Server 2016 identity management course, the target competencies will be able to:

- Manage AD DS objects.
- Administering AD DS.
- Troubleshooting a Group Policy Infrastructure.
- Managing User Settings with GPOs.
- Recovering Objects in AD DS.
- Configuring Directory Synchronization.

Course Content

Unit 1: Installing and Configuring Domain Controllers DCs

- Overview of AD DS.
- Overview of AD DS domain controllers.
- Deploy a domain controller.

Unit 2: Managing Objects in AD DS

- Manage user accounts.
- Managing groups in AD DS.
- Manage computer accounts.
- Use Windows PowerShell for AD DS administration.
- Implement and manage organizational units.

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Unit 3: Advanced AD DS Infrastructure Management

- Overview of advanced AD DS deployments.
- Deploy a distributed AD DS environment.
- Configuring AD DS trusts.

Unit 4: Implementing and Administering AD DS Sites and Replication

- Overview of AD DS replication.
- Configure AD DS sites.
- Configure and monitor AD DS replication.

Unit 5: Implementing Group Policy

- Introducing Group Policy.
- Implement and administer GPOs.
- Understand Group Policy scope and Group Policy processing.
- Learn about troubleshooting the application of GPOs.

Unit 6: Managing User Settings with Group Policy

- Implement administrative templates.
- Configure Folder Redirection and scripts.
- Configure Group Policy preferences.

Unit 7: Securing Active Directory Domain Services

- Secure domain controllers.
- Implement account security.
- Implement Audit authentication.
- Configure managed service accounts MSAs.

Unit 8: Deploying and Managing AD CS

- Deploying CAs.
- Administering CAs.
- Troubleshooting and maintaining CAs.

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Unit 9: Deploying and Managing Certificates

- Deploy and manage certificate templates.
- Manage certificate deployment, revocation, and recovery.
- Use certificates in a business environment.
- Implement and manage smart cards.

Unit 10: Implementing and Administering AD FS

- Overview of AD FS.
- AD FS requirements and planning.
- Deploy and configure AD FS.
- Overview of Web Application Proxy.

Unit 11: Implementing and Administering AD RMS

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

Unit 12: Implementing AD DS Synchronization with Azure AD

- Plan and prepare for directory synchronization.
- Implement directory synchronization by using Azure AD Connect.
- Manage identities with directory synchronization.

Unit 13: Monitoring, Managing, and Recovering AD DS

- Monitoring AD DS.
- Manage the Active Directory database.
- Learn how to activate directory backup and recovery options for AD DS and other identity and access solutions.