



Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Services

Days: 5
Format: Instructor-Led
Class Code 6425
Certification Exams: None
Certification Track: None

Recommended Course Sequence

Knowledge of prerequisites noted below.

Course content is subject to change without notice.

Course Description:

This five-day instructor-led course provides to teach Active Directory Technology Specialists with the knowledge and skills to configure Active Directory Domain Services in a distributed environment, implement Group Policies, perform backup and restore, and monitor and troubleshoot Active Directory related issues.

Target Student:

The primary audience for this course are AD Technology Specialists, Server Administrators, and Enterprise Administrators who want to learn how to implement AD in a distributed environment, secure domains using Group Policies, and perform backup, restore, and monitor and troubleshoot AD configuration to ensure trouble free operation.

Prerequisites:

Before attending this course, the student must have:

- Basic understanding of networking.
- Intermediate understanding of network operating systems.
- An awareness of security best practices.
- Basic knowledge of server hardware. A+ or equivalent knowledge
- Some experience creating objects in Active Directory.
- Foundation course (6424A) or equivalent knowledge.
- Basic concepts of backup and recovery in a Windows Server Environment.

Delivery Method:

Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

At Course Completion:

After completing this course, students will be able to implement and configure Active Directory domain services in their enterprise environment.

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Course Outline

Module 1: Implementing Active Directory Domain Services

This module explains how to install and configure Active Directory Domain Services and install and configure a read-only domain controller.

Lessons
<ul style="list-style-type: none">■ Installing Active Directory Domain Services■ Deploying Read-Only Domain Controllers■ Configuring AD DS Domain Controller Roles
Lab : Implementing Read-Only Domain Controllers
<ul style="list-style-type: none">■ Evaluating Forest and Server Readiness for Installing an RODC■ Installing and Configuring an RODC■ Configuring AD DS Domain Controller Roles

Module 2: Configuring Domain Name Service for Active Directory Domain Services

This module explains how to configure Domain Name Services (DNS) for Active Directory Domain Services.

Lessons
<ul style="list-style-type: none">■ Overview of Active Directory Domain Services and DNS Integration■ Configuring Active Directory Integrated Zones■ Configuring Read Only DNS Zones
Lab : Configuring AD DS and DNS Integration
<ul style="list-style-type: none">■ Configuring Active Directory Integrated Zones■ Configuring Read-Only DNS Zones

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Module 3: Configuring Active Directory Objects and Trusts

This module explains how to configure Active Directory Objects and Trusts.

Lessons
<ul style="list-style-type: none">■ Configuring Active Directory Objects■ Strategies for Using Groups■ Automating AD DS Object Management■ Delegating Administrative Access to AD DS Objects■ Configuring AD DS Trusts
Lab : Configuring Active Directory Objects
<ul style="list-style-type: none">■ Configuring AD DS Objects■ Implementing an AD DS Group Strategy■ Automating the Management of AD DS Objects
Lab : Configuring Active Directory Objects and Trusts
<ul style="list-style-type: none">■ Delegating Control of AD DS Objects■ Configuring AD DS Trusts

Module 4: Configuring Active Directory Sites and Replication

This module explains how to configure Active Directory sites and replication.

Lessons
<ul style="list-style-type: none">■ Overview of AD DS Replication■ Overview of AD DS Sites and Replication■ Configuring and Monitoring AD DS Replication
Lab : Configuring Active Directory Sites and Replication
<ul style="list-style-type: none">■ Configuring AD DS Sites and Subnets■ Configuring AD DS Replication■ Monitoring AD DS Replication

Module 5: Creating and Configuring Group Policy

This module explains how to create and configure Group Policy.

Lessons
<ul style="list-style-type: none">■ Overview of Group Policy■ Configuring the Scope of Group Policy Objects■ Evaluating the Application of Group Policy Objects■ Managing Group Policy Objects■ Delegating Administrative Control of Group Policy
Lab : Creating and Configuring GPOs
<ul style="list-style-type: none">■ Creating Group Policy Objects■ Managing the Scope of GPO Application■ Verifying GPO Application■ Managing GPOs■ Delegating Administrative Control of GPOs

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Module 6: Configuring User Environments Using Group Policy

This module explains how to configure user environments using Group Policy.

Lessons
<ul style="list-style-type: none">■ Configuring Group Policy Settings■ Configuring Scripts and Folder Redirection Using Group Policies■ Configuring Administrative Templates■ Group Policy Preferences■ Deploying Software Using Group Policy
Lab Configuring User Environments Using Group Policies
<ul style="list-style-type: none">■ Configuring Scripts and Folder Redirection■ Configuring Administrative Templates■ Configuring Preferences■ Verifying GPO Application

Module 7: Implementing Security Using Group Policy

This module explains how to implement security using Group Policy.

Lessons
<ul style="list-style-type: none">■ Configuring Security Policies■ Implementing Fine-Grained Password Policies■ Restricting Group Membership and Access to Software■ Managing Security Using Security Templates
Lab : Implementing Security Using Group Policies
<ul style="list-style-type: none">■ Configuring Account and Security Policy Settings■ Implementing Fine-Grained Password Policies■ Configuring Restricted Groups and Software Restriction Policies■ Configuring Security Templates■ Verifying the Security Configuration

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Module 8: Implementing an Active Directory Domain Services Monitoring Plan

This module explains how to implement Active Directory Domain Services monitoring plan.

Lessons
<ul style="list-style-type: none">■ Monitoring AD DS Using Event Viewer■ Monitoring Active Directory Domain Servers Using Reliability and Performance Monitor■ Configuring AD DS Auditing
Lab : Monitoring Active Directory Domain Services
<ul style="list-style-type: none">■ Monitoring AD DS Using Event Viewer■ Monitoring AD DS Using Performance and Reliability Monitor■ Configuring AD DS Auditing

Module 9: Implementing an Active Directory Domain Services Maintenance Plan

This module explains how to implement an Active Directory Domain Services maintenance plan.

Lessons
<ul style="list-style-type: none">■ Maintaining the AD DS Domain Controllers■ Backing Up Active Directory Domain Services■ Restoring Active Directory Domain Services
Lab : Implementing an Active Directory Domain Services Maintenance Plan
<ul style="list-style-type: none">■ Maintaining AD DS Domain Controllers■ Backing Up AD DS■ Performing an Authoritative Restore of the AD DS Database■ Restoring Data Using the AD DS Snapshot Viewer

Module 10: Troubleshooting Active Directory, DNS, and Replication Issues

This module explains how to troubleshoot Active Directory Domain Services, Domain Name Service, and Active Directory replication.

Lessons
<ul style="list-style-type: none">■ Troubleshooting Active Directory Domain Services■ Troubleshooting DNS Integration with AD DS■ Troubleshooting AD DS Replication
Lab : Troubleshooting Active Directory, DNS, and Replication Issues
<ul style="list-style-type: none">■ Troubleshooting Authentication and Authorization Errors■ Troubleshooting the Integration of DNS and AD DS■ Troubleshooting AD DS Replication

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Module 11: Troubleshooting Group Policy Issues

This module explains how to troubleshoot the application of Group Policy objects.

Lessons
<ul style="list-style-type: none">■ Introduction to Group Policy Troubleshooting■ Troubleshooting Group Policy Application■ Troubleshooting Group Policy Settings
Lab : Troubleshooting Group Policy Issues
<ul style="list-style-type: none">■ Troubleshooting Group Policy Scripts■ Troubleshooting GPO Lab11B■ Troubleshooting GPO Lab11C■ Troubleshooting GPO Lab11D

Module 12: Implementing an Active Directory Domain Services Infrastructure

This module explains how to implement an Active Directory Domain Services Infrastructure.

Lessons
<ul style="list-style-type: none">■ Overview of the AD DS Deployment■ Planning a Group Policy Strategy
Lab : Deploying Active Directory Domain Services
<ul style="list-style-type: none">■ Installing a Read-only Domain Controller (RODC) onto a Server Core, and Creating a Branch Office Site■ Creating a Domain in a Separate Tree and Separate Site
Lab : Configuring Forest Trust Relationships
<ul style="list-style-type: none">■ Upgrading the Fabrikam Domain, and Creating a Forest Trust with Woodgrove Bank
Lab : Planning a Group Policy Strategy
<ul style="list-style-type: none">■ Planning Group Policy■ Creating a Domain in a Separate Tree and Separate Site■ Implementing the Corporate Desktop Policy