
Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Service

Duration: 5 Days Course Code: M6425

Overview:

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 Audience:

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.

Objectives:

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

Before attending this course, students 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.
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Content:

- 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:

- Installing Active Directory Domain Services
- Deploying Read-Only Domain Controllers
- Configuring AD DS Domain Controller Roles

■ Lab: Implementing Read-Only Domain Controllers:

- Exercise 1: Evaluating Forest and Server Readiness for Installing an RODC
- Exercise 2: Installing and Configuring an RODC
- Exercise 3: Configuring AD DS Domain Controller Roles

■ After completing this module, students will be able to:

- Install Active Directory Domain Services.
- Deploy Read-Only Domain Controllers.
- Configure 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:

- 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:

- Exercise 1: Configuring Active Directory Integrated Zones
- Exercise 2: Configuring Read-Only DNS Zones

■ After completing this module, students will be able to:

- Describe Active Directory Domain Services and DNS integration.
- Configure Active Directory Integrated Zones.
- Configure read only DNS zones.

■ Module 3: Configuring Active Directory

This module explains how to create and configure Group Policy.

■ Lessons:

- 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:

- Exercise 1: Creating Group Policy Objects
- Exercise 2: Managing the Scope of GPO Application
- Exercise 3: Verifying GPO Application
- Exercise 4: Managing GPOs
- Exercise 5: Delegating Administrative Control of GPOs

■ After completing this module, students will be able to:

- Describe Group Policy.
- Configure the scope of Group Policy objects.
- Evaluate the application of Group Policy objects.
- Manage Group Policy objects.
- Delegate administrative control of Group Policies.

■ Module 6: Configuring User Environments Using Group Policy:

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

■ Lessons:

- 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:

- Exercise 1: Configuring Scripts and Folder Redirection
- Exercise 2: Configuring Administrative Templates
- Exercise 3: Configuring Preferences
- Exercise 4: Verifying GPO Application

■ After completing this module, students will be able to:

- Configure Group Policy settings.

- Exercise 1: Maintaining AD DS Domain Controllers
- Exercise 2: Backing Up AD DS
- Exercise 3: Performing an Authoritative Restore of the AD DS Database
- Exercise 4: Restoring Data Using the AD DS Snapshot Viewer

■ After completing this module, students will be able to:

- Maintain the AD DS Domain Controllers.
- Back up the Active Directory Domain Services.
- Restore the Active Directory Domain Services.

■ 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:

- Troubleshooting Active Directory Domain Services
- Troubleshooting DNS Integration with AD DS
- Troubleshooting AD DS Replication

■ Lab: Troubleshooting Active Directory, DNS, and Replication Issues:

- Exercise 1: Troubleshooting Authentication and Authorization Errors
- Exercise 2: Troubleshooting the Integration of DNS and AD DS
- Exercise 3: Troubleshooting AD DS Replication

■ After completing this module, students will be able to:

- Troubleshoot Active Directory Domain Services.
- Troubleshoot DNS integration with AD DS.
- Troubleshoot AD DS replication.

■ Module 11: Troubleshooting Group Policy Issues:

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

■ Lessons:

- Introduction to Group Policy Troubleshooting
- Troubleshooting Group Policy Application
- Troubleshooting Group Policy Settings

■ Lab: Troubleshooting Group Policy Issues:

<p>Objects and Trusts:</p> <p>This module explains how to configure Active Directory Objects and Trusts.</p> <p>■ Lessons:</p> <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 <p>■ Lab A: Configuring Active Directory Objects:</p> <ul style="list-style-type: none"> • Exercise 1: Configuring AD DS Objects • Exercise 2: Implementing an AD DS Group Strategy • Exercise 3: Automating the Management of AD DS Objects <p>■ Lab B: Configuring Active Directory Objects and Trusts:</p> <ul style="list-style-type: none"> • Exercise 1: Delegating Control of AD DS Objects • Exercise 2: Configuring AD DS Trusts <p>■ After completing this module, students will be able to:</p> <ul style="list-style-type: none"> • Configure Active Directory Objects. • Describe strategies for using groups. • Automate AD DS object management. • Delegate Administrative access to AD DS objects. • Configure AD DS trusts. <p>■ Module 4: Configuring Active Directory Sites and Replication:</p> <p>This module explains how to configure Active Directory sites and replication.</p> <p>■ Lessons:</p> <ul style="list-style-type: none"> • Overview of AD DS Replication • Overview of AD DS Sites and Replication • Configuring and Monitoring AD DS Replication <p>■ Lab: Configuring Active Directory Sites and Replication:</p> <ul style="list-style-type: none"> • Exercise 1: Configuring AD DS Sites and Subnets • Exercise 2: Configuring AD DS Replication • Exercise 3: Monitoring AD DS Replication <p>■ After completing this module, students will be able to:</p> <ul style="list-style-type: none"> • Describe AD DS replication. • Configure Active Directory Domain Services sites. • Configure and monitor AD DS replication. 	<ul style="list-style-type: none"> • Configure scripts and folder redirection using Group Policy. • Configure administrative templates. • Describe Group Policy preferences. • Deploy software using Group Policy. <p>■ Module 7: Implementing Security Using Group Policy:</p> <p>This module explains how to implement security using Group Policy.</p> <p>■ Lessons:</p> <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 <p>■ Lab: Implementing Security Using Group Policies:</p> <ul style="list-style-type: none"> • Exercise 1: Configuring Account and Security Policy Settings • Exercise 2: Implementing Fine-Grained Password Policies • Exercise 3: Configuring Restricted Groups and Software Restriction Policies • Exercise 4: Configuring Security Templates • Exercise 5: Verifying the Security Configuration <p>■ After completing this module, students will be able to:</p> <ul style="list-style-type: none"> • Configure security settings. • Implement fine-grained password policies. • Restrict group membership and access to software. • Manage security using security templates. <p>■ Module 8: Implementing an Active Directory Domain Services Monitoring Plan:</p> <p>This module explains how to implement Active Directory Domain Services monitoring plan.</p> <p>■ Lessons:</p> <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 <p>■ Lab: Monitoring Active Directory Domain Services:</p> <ul style="list-style-type: none"> • Exercise 1: Monitoring AD DS Using Event Viewer • Exercise 2: Monitoring AD DS Using Performance and Reliability Monitor 	<ul style="list-style-type: none"> • Exercise 1: Troubleshooting Group Policy Scripts • Exercise 2: Troubleshooting GPO Lab11B • Exercise 3: Troubleshooting GPO Lab11C • Exercise 4: Troubleshooting GPO Lab11D <p>■ After completing this module, students will be able to:</p> <ul style="list-style-type: none"> • Describe Group Policy troubleshooting. • Troubleshoot Group Policy application. • Troubleshoot Group Policy Settings. <p>■ Module 12: Implementing an Active Directory Domain Services Infrastructure:</p> <p>This module explains how to implement an Active Directory Domain Services Infrastructure.</p> <p>■ Lessons:</p> <ul style="list-style-type: none"> • Overview of the AD DS Deployment • Planning a Group Policy Strategy <p>■ Lab A: Deploying Active Directory Domain Services:</p> <ul style="list-style-type: none"> • Exercise 1: Installing a Read-only Domain Controller (RODC) onto a Server Core, and Creating a Branch Office Site • Exercise 2: Creating a Domain in a Separate Tree and Separate Site <p>■ Lab B: Configuring Forest Trust Relationships:</p> <ul style="list-style-type: none"> • Exercise: Upgrading the Fabrikam Domain, and Creating a Forest Trust with Woodgrove Bank <p>■ Lab C: Planning a Group Policy Strategy:</p> <ul style="list-style-type: none"> • Exercise 1: Planning Group Policy • Exercise 2: Creating a Domain in a Separate Tree and Separate Site • Exercise 3: Implementing the Corporate Desktop Policy <p>■ After completing this module, students will be able to:</p> <ul style="list-style-type: none"> • Implement an Active Directory Domain Services infrastructure.
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■ Module 5: Creating and Configuring Group Policy:

- Exercise 3: Configuring AD DS Auditing

■ After completing this module, students will be able to:

- Monitor Active Directory Domain Services using Event Viewer.
- Monitor Active Directory Domain servers using reliability and performance monitor.
- Configure Active Directory Domain Services 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:

- 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:

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

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