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## **Course 6425A:**

### **Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Services**

Length:	5 Days
Published:	June 03, 2008
Language(s):	English
Audience(s):	IT Professionals
Level:	200
Technology:	Windows Server 2008
Type:	Course
Delivery Method:	Instructor-led (classroom)

#### **Course OutlineModule 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**

- › Evaluating Forest and Server Readiness for Installing an RODC
- › Installing and Configuring an RODC
- › 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.



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- › 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**

- › Configuring Active Directory Integrated Zones
- › 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 Objects and Trusts**

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

#### **Lessons**

- › 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**

- › Configuring AD DS Objects



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- › Implementing an AD DS Group Strategy
- › Automating the Management of AD DS Objects

#### **Lab : Configuring Active Directory Objects and Trusts**

- › Delegating Control of AD DS Objects
- › Configuring AD DS Trusts

After completing this module, students will be able to:

- › 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.

#### **Module 4: Configuring Active Directory Sites and Replication**

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

##### **Lessons**

- › 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**

- › Configuring AD DS Sites and Subnets
- › Configuring AD DS Replication
- › Monitoring AD DS Replication

After completing this module, students will be able to:

- › Describe AD DS replication.
- › Configure Active Directory Domain Services sites.
- › Configure and monitor AD DS replication.



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### **Module 5: Creating and Configuring Group Policy**

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**

- › Creating Group Policy Objects
- › Managing the Scope of GPO Application
- › Verifying GPO Application
- › Managing GPOs
- › 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



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- › Deploying Software Using Group Policy

#### **Lab : Lab Configuring User Environments Using Group Policies**

- › Configuring Scripts and Folder Redirection
- › Configuring Administrative Templates
- › Configuring Preferences
- › Verifying GPO Application

After completing this module, students will be able to:

- › Configure Group Policy settings.
- › Configure scripts and folder redirection using Group Policy.
- › Configure administrative templates.
- › Describe Group Policy preferences.
- › Deploy software using Group Policy.

#### **Module 7: Implementing Security Using Group Policy**

This module explains how to implement security using Group Policy.

##### **Lessons**

- › 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**

- › 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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- › Configure security settings.
- › Implement fine-grained password policies.
- › Restrict group membership and access to software.
- › Manage security using security templates.

### **Module 8: Implementing an Active Directory Domain Services Monitoring Plan**

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

#### **Lessons**

- › 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**

- › Monitoring AD DS Using Event Viewer
- › Monitoring AD DS Using Performance and Reliability Monitor
- › 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



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- › Backing Up Active Directory Domain Services
- › Restoring Active Directory Domain Services

**Lab : Implementing an Active Directory Domain Services Maintenance Plan**

- › 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

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**

- › Troubleshooting Authentication and Authorization Errors
- › Troubleshooting the Integration of DNS and AD DS
- › Troubleshooting AD DS Replication

After completing this module, students will be able to:

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



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- › 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**

- › Troubleshooting Group Policy Scripts
- › Troubleshooting GPO Lab11B
- › Troubleshooting GPO Lab11C
- › Troubleshooting GPO Lab11D

After completing this module, students will be able to:

- › Describe Group Policy troubleshooting.
- › Troubleshoot Group Policy application.
- › Troubleshoot Group Policy Settings.

### **Module 12: Implementing an Active Directory Domain Services Infrastructure**

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

#### **Lessons**

- › Overview of the AD DS Deployment
- › Planning a Group Policy Strategy

#### **Lab : Deploying Active Directory Domain Services**

- › Installing a Read-only Domain Controller (RODC) onto a Server Core, and Creating a Branch Office Site



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- › Creating a Domain in a Separate Tree and Separate Site

**Lab : Configuring Forest Trust Relationships**

- › Upgrading the Fabrikam Domain, and Creating a Forest Trust with Woodgrove Bank

**Lab : Planning a Group Policy Strategy**

- › Planning Group Policy
- › Creating a Domain in a Separate Tree and Separate Site
- › Implementing the Corporate Desktop Policy

After completing this module, students will be able to:

- › Implement an Active Directory Domain Services infrastructure.

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.