

Course 6425A: Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Services

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.

Module 1: Installing 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

Module 2: Configuring DNS for AD DS

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

Lab: Configuring AD DS and DNS Integration

- Configuring Active Directory Integrated Zones
- Configuring 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
- Automating AD DS Object Management
- Delegating Administrative Access to AD DS Objects
- Configuring AD DS Trusts

Lab: Configuring Active Directory Objects and Trusts

- Configuring AD DS Objects
- Automating the Management of AD DS Objects
- 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 Objects and Trusts.

Lessons

- Overview of AD DS Replication
- Configuring Active Directory Domain Services Sites
- 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

Module 5: Creating and Configuring Group Policies

This module explains how to create and configure group policies.

Lessons

- Overview of Group Policies
- Configuring the Scope of Group Policy Objects
- Evaluating the Application of Group Policy Objects
- Managing Group Policy Objects
- Delegating Administrative Control of Group Policies

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

Module 6: Configuring User Environments Using Group Policies

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

Lessons

- Configuring Group Policy Settings
- Configuring Scripts and Folder Redirection Using Group Policies
- Configuring Administrative Templates
- Deploying Software Using Group Policy

Lab: Configuring User Environments Using Group Policies

- Configuring Scripts and Folder Redirection
- Configuring Administrative Templates
- Distributing Software Using Group Policies
- Verifying GPO Application

Module 7: Implementing Security Using Group Policies

This module explains how to implement security using Group Policies.

Lessons

- Configuring Security Policies
- Implementing Fine-Grained Password Policies
- Restricting Group Membership and Access to Software
- Managing Security Using Security Templates

Lab: Implementing Security by Using Group Policies

- Configuring Domain Security Settings
- Implementing Fine-Grained Password Policies
- Configuring Restricted Groups and Software Restriction Policies
- Configuring Security Templates
- Verifying the Security Configuration

Module 8: Implementing an Active Directory Domain Services Monitoring Plan

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

Lessons

- Monitoring Active Directory Domain Services Using Event Viewer
- Monitoring Active Directory Domain Servers by Using Reliability and Performance Monitor
- Configuring Active Directory Domain Services Auditing

Lab: Monitoring Active Directory Domain Services

- Monitor AD DS by Using Event Viewer
- Monitor AD DS by Using Performance and Reliability Monitor
- Configure 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

- 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

- Maintaining AD DS Domain Controllers
- Backing Up AD DS
- Performing a Non-Authoritative Restore of the AD DS Database
- Performing an Authoritative Restore of the AD DS Database
- Restoring Data By Using the AD DS Snapshot Viewer

Module 10: Troubleshooting

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

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 Applications
- Troubleshooting 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

Lab: Deploying Active Directory Domain Services

- Deploying Active Directory Domain Services
- Deploying AD DS Sites
- Implementing Group Policies
- Verifying the AD DS Deployment
- Testing the AD DS Disaster Recovery Plan