



Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Services

MOC-6425

Course Description:

This course is designed to provide students 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.

Course Objectives:

Upon completion of the course, students will be able to:

- Implement Active Directory domain services in an enterprise environment
- Configure Active Directory domain services in an enterprise environment

Prerequisites:

- MOC-6424 Fundamentals of Windows Server 2008 Active Directory or equivalent knowledge
- Basic understanding of networking
- Intermediate understanding of network operating systems
- Basic familiarity with security best practices
- Basic knowledge of server hardware. A+ or equivalent knowledge
- Some experience creating objects in Active Directory
- Basic concepts of backup and recovery in a Windows Server Environment

Audience:

- AD Technology Specialists
- Server Administrators
- Enterprise Administrators

Course Duration:

5 Days

Course Topics:

I. Implementing Active Directory Domain Services

- Installing Active Directory domain services
- Deploying read-only domain controllers
- Configuring AD DS domain controller roles
- Implementing read-only domain controllers

II. Configuring Domain Name Service for Active Directory Domain Services

- Overview of Active Directory domain services and DNS integration
- Configuring Active Directory integrated zones
- Configuring read only DNS zones
- Configuring AD DS and DNS integration

III. Configuring Active Directory Objects and Trusts

- Configuring Active Directory objects
- Automating AD DS object management
- Delegating administrative access to AD DS objects
- Configuring AD DS trusts
- Configuring Active Directory objects
- Configuring Active Directory objects and trusts

IV. Configuring Active Directory Sites and Replication

- Overview of AD DS replication
- Overview of AD DS sites and replication
- Configuring and monitoring AD DS replication

V. Creating and Configuring Group Policy

- 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
- Creating and configuring GPOs

VI. Configuring User Environments Using Group Policy

- Configuring group policy settings
- Configuring scripts and folder redirection using group policies
- Configuring administrative templates
- Group policy preferences
- Deploying software using group policy

VII. Implementing Security Using Group Policy

- Configuring security policies
- Implementing fine-grained password policies
- Restricting group membership and access to software
- Managing security using security templates
- Implementing security using group policies

VIII. Implementing an Active Directory Domain Services Monitoring Plan

- Monitoring AD DS using event viewer
- Monitoring Active Directory domain servers using reliability and performance monitor
- Configuring AD DS auditing
- Monitoring Active Directory domain services

IX. Implementing an Active Directory Domain Services Maintenance Plan

- Maintaining the AD DS domain controllers
- Backing Up Active Directory domain services
- Restoring Active Directory domain services
- Implementing an Active Directory domain services maintenance plan

X. Troubleshooting Active Directory, DNS, and Replication Issues

- Troubleshooting Active Directory domain services
- Troubleshooting DNS integration with AD DS
- Troubleshooting AD DS replication

XI. Troubleshooting Group Policy Issues

- Introduction to group policy troubleshooting
- Troubleshooting group policy application
- Troubleshooting group policy settings

XII. Implementing an Active Directory Domain Services Infrastructure

- Overview of the AD DS deployment
- Planning a group policy strategy
- Deploying Active Directory domain services
- Configuring forest trust relationships
- Implementing the corporate desktop policy