

ET 132

Implementing and Maintaining Windows Server 2008 Active Directory Infrastructure

Course Description

In this course, you will manage identities and access in Windows Server 2008. You will explore the various directory services features including Active Directory Lightweight Directory Services, Active Directory Federation Services, and Active Directory Rights Management Services. This course also helps you prepare for certification exam 70-640 to become a Microsoft Certified Technology Specialist (MCTS). To get the most out of this course it is recommended that you have MCSE or equivalent experience in implementing Windows Server 2003.

Course Level

Intermediate—Advanced

Who should attend?

This course is intended for Active Directory Technology Specialists, Server Administrators and Enterprise Administrators who want to implement AD DS in a distributed environment, secure domains using Group Policies, perform backup and restore functions, and monitor and troubleshoot an AD DS configuration to ensure trouble-free operation.

Pre-requisites

- A basic understanding of networking, network operating systems and server, A+ hardware or equivalent knowledge.
- A knowledge of the foundation course 6424A or equivalent.
- An understanding of backup and recovery in a Windows Server environment is required.

Course Objectives

- Configure Active Directory Domain Services.
- Implement read-only domain controllers.
- Back up and restore Active Directory Domain Services in Windows Server 2008.
- Implement AD LDS in Windows Server 2008.
- Implement ADFS in Windows Server 2008.
- Implement AD RMS in Windows Server 2008.

Course Durations

30 Hours

Course Outline

Module 1: Implementing Active Directory Domain Services

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

Module 2: 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

Module 3: Configuring Active Directory Objects and Trusts

- Configuring Active Directory Objects
- Strategies for Using Groups
- Automating AD DS Object Management
- Delegating Administrative Access to AD DS Objects
- Configuring AD DS Trusts

Module 4: Configuring Active Directory Sites and Replication

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

Module 5: Creating and Configuring Group Policies

- 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

Module 6: Configuring User Environments Using Group Policies

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

Module 7: Implementing Security Using Group Policies

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

Module 8: Implementing an Active Directory Domain Services Monitoring Plan

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

Module 9: 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

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

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

Module 11: Introduction to Active Directory Lightweight Directory Services

- Active Directory Lightweight Directory Services Overview
- Implementing and Administering AD LDS
- Implementing AD LDS Replication
- Comparing AD DS and AD LDS

Module 12: Introduction to Active Directory Certificate Services

- Overview of Active Directory Certificate Services
- Understanding Active Directory Certificate Services Certificates
- Implementing Certificate Enrollment and Revocation

Module 13: Introduction to Active Directory Rights Management Services

- AD RMS Overview
- Understanding AD RMS
- Managing AD RMS

Module 14: Introduction to Active Directory Federation Services

- AD FS Overview
- AD FS Deployment Scenarios
- Configuring AD FS Components

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