



Course 6426B:

Configuring and Troubleshooting Identity and Access Solutions with Windows Server 2008 Active Directory

Length: 3 Days
Language(s): English
Audience(s): IT Professionals
Level: 300
Technology: Windows Server 2008
Type: Course
Delivery Method: Instructor-led (classroom)

A course towards becoming:

Microsoft
CERTIFIED
IT Professional

Server Administrator

About this Course

This three-day instructor-led course provides in-depth knowledge on configuring and troubleshooting Identity and Access (IDA) solutions with Windows Server 2008 Active Directory.

Audience Profile

This course is intended for those who want to understand how IDA solutions are implemented in Windows Server 2008. This course provides a technology overview of IDA and PKI solutions, and details the implementation of each of the roles in Windows Server 2008 that implement the IDA solution. Also architects, IT professionals, and developers who are responsible for integrating applications and platforms with enterprise directory and security services would benefit from this course.

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Key Component of FRCI

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At Course Completion

After completing this course, students will be able to:

- Explore Identity and Access (IDA) solutions.
- Deploy and Manage Active Directory Certificate Services (AD CS).
- Deploy and Manage Certificates.
- Configure Active Directory Lightweight Directory Services (AD LDS).
- Configure Active Directory Federation Services (AD FS).
- Configure Active Directory Rights Management Services (AD RMS).
- Maintain access management solutions.
- Troubleshoot IDA solutions.

Pre-requisites

Before attending this course, students must have:

Technical background knowledge and hands-on experience of Active Directory Domain Services (AD DS). This includes technical knowledge equivalent to 6425B: Configuring Windows Server 2008 Active Directory Domain Services.



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Course Outline

Module 1: Exploring Identity and Access Solutions

Exploring Identity and Access Solutions introduces Identity and Access Management (IDM) solutions. You will learn to identify Active Directory server roles in IDM. The module will also describe the concept of Identity Lifecycle Manager (ILM).

Lessons

- The Business Case for Identity and Access Control
- Active Directory Server Roles in IDM
- Overview of Identity Lifecycle Manager 2007

Lab: Exploring IDM Solutions

- Exploring How Active Directory Server Roles Provide IDM Solutions

After completing this module, students will be able to:

- Identify and define IDM Solutions
- Identify Active Directory Server Roles in IDM
- Identify the uses and features of ILM 2007

Module 2: Deploying and Managing Active Directory Certificate Services

Deploying and Managing Active Directory Certificate Services explains the concepts of public key infrastructure (PKI). You will also learn to deploy a certification authority (CA) hierarchy and install AD CS. Finally, the module describes how to configure AD CS.

Lessons

- Overview of PKI
- Deploying a CA Hierarchy
- Installing AD CS
- Managing CAs



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Lab: Installing and Configuring AD CS

- Installing the AD CS Server Role
- Issuing and Installing a Subordinate Certificate
- Publishing the CRL

After completing this module, students will be able to:

- Describe Public Key Infrastructure.
- Deploy a Certification Authority hierarchy.
- Install Active Directory Certificate Services.
- Manage a Certification Authority.

Module 3: Deploying and Managing Certificates

Deploying and Managing Certificates describes the deployment of certificates by using AD CS. In addition, the module elaborates on usage of autoenrollment to deploy certificates, certificate revocation, and configuration of certificate template and certificate recovery.

Lessons

- Configuring Certificate Templates
- Deploying Certificates by Using AD CS
- Deploying Certificates by Using Autoenrollment
- Revoking Certificates
- Configuring Certificate Recovery

Lab: Deploying and Managing Certificates

- Configuring AD CS Certificate Templates
- Configuring AD CS Web Enrollment
- Configuring Certificate Autoenrollment
- Configuring AD CS Certificate Revocation
- Managing Key Archival and Recovery



After completing this module, students will be able to:

- Deploy certificates by using AD CS.
- Use autoenrollment to deploy certificates.
- Revoke certificates.
- Configure certificate templates.
- Configure certificate recovery.

Module 4: Configuring Active Directory Lightweight Directory Services

Configuring Active Directory Lightweight Directory Services elaborates on the installation of AD LDS, and the configuration of AD LDS, its instances, replication, and integration with AD DS.

Lessons

- Installing and Configuring AD LDS
- Configuring AD LDS Instances
- Configuring AD LDS Replication
- Configuring AD LDS Integration with AD DS

Lab: Configuring AD LDS

- Configuring an AD LDS Instance and an Application Partition
- Configuring AD LDS Access Control
- Configuring AD LDS Replication
- Configuring AD DS and AD LDS Synchronization

After completing this module, students will be able to:

- Install and configure AD LDS.
- Configure AD LDS instances.
- Configure AD LDS replication.
- Configure AD LDS integration with AD DS.

Module 5: Configuring Active Directory Federation Services



Configuring Active Directory Federation Services presents the concept of AD FS and its deployment scenarios. The module also describes how to deploy AD FS and implement AD FS claims.

Lessons

- Overview of AD FS
- AD FS Deployment Scenarios
- Deploying AD FS
- Implementing AD FS Claims

Lab: Configuring AD FS by Using the Federated Web SSO with Forest Trust Scenario

- Installing the AD FS Server Role
- Configuring Certificate Requirements
- Installing the AD FS Web Agent
- Configuring the Web Server Application on the 6426B-NWTDC01 Virtual Computer
- Configuring the Forest Trust and the Federated Trust Policies
- Configuring the Federation Service Within the Internal Network
- Configuring the Federation Service Within the Extranet
- Testing the AD FS Implementation

Lab: Configuring AD FS by Using the Federated Web SSO Scenario

- Installing the AD FS Server Role
- Configuring Certificate Requirements
- Configuring the AD FS Web Agent
- Configuring the Web Server Application on the 6426B-NWTDC01 Virtual Computer
- Configuring the Federation Trust Policies
- Configuring the Account Partner Federation Service
- Configuring the Resource Partner Federation Service
- Testing the AD FS Implementation



After completing this module, students will be able to:

- Identify the key aspects of AD FS.
- Explore AD FS deployment scenarios.
- Deploy AD FS.
- Implement AD FS claims.

Module 6: Configuring Active Directory Rights Management Services

Configuring Active Directory Rights Management Services explains the concept of AD RMS. The module describes how to install and configure AD RMS server components. The module also explains the administration of AD RMS and implementation of AD RMS trust policies.

Lessons

- Overview of AD RMS
- Installing and Configuring AD RMS Server Components
- Administering AD RMS
- Implementing AD RMS Trust Policies

Lab: Configuring AD RMS

- Installing the AD RMS Server Role
- Managing AD RMS Rights Policy Templates
- Configuring Trust Policies
- Testing AD RMS Functionality

After completing this module, students will be able to:

- Identify the key aspects of AD RMS.
- Install and configure AD RMS server components.
- Administer AD RMS.
- Implement AD RMS Trust Policies.



Module 7: Maintaining Access Management Solutions

Maintaining Access Management Solutions explains the maintenance of AD CS, AD LDS, AD FS, and AD RMS.

Lessons

- Supporting AD CS
- Maintaining AD LDS
- Maintaining AD FS
- Maintaining AD RMS

Lab: Maintaining Access Management Solutions

- Configuring CA Event Auditing
- Implementing Role-Based Administration in AD CS
- Backing Up a CA
- Reconfiguring AD RMS Cluster Settings
- Generating AD RMS Reports
- Configuring AD RMS Logging

After completing this module, students will be able to:

- Support AD CS.
- Maintain AD LDS.
- Maintain and Monitor AD FS.
- Maintain AD RMS.

Module 8: Troubleshooting Identity and Access Solutions

Troubleshooting Identity and Access Solutions describes how to troubleshoot AD CS, AD LDS, AD FS, and AD RMS.

Lessons

- Troubleshooting AD CS
- Troubleshooting AD LDS
- Resolving AD FS Issues



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- Solving AD RMS Issues

Lab: Troubleshooting IDA Solutions

- Identifying Tools and Troubleshooting Techniques of IDA Solutions

After completing this module, students will be able to:

- Troubleshoot AD CS.
- Troubleshoot AD LDS.
- Resolve AD FS issues.
- Solve AD RMS issues.