

# 6426 – Configure Identity and Access Solutions with Windows Server 2008 Active Directory

**Vendor Course Code:** MS6426

**Course Length:** 3 days

**Overview:** This three-day instructor-led course provides in-depth training on configuring and troubleshooting Active Directory Identity and Access (IDA) solutions with Windows Server 2008 and Windows Server 2008 R2.

**Skills Gained:**

After completing this course, students will be able to:

- Describe the fundamental IDA components and Windows Server 2008 and Windows Server 2008 R2 IDA technologies.
- Deploy, configure, and troubleshoot Active Directory Certificate Services (AD CS).
- Deploy, configure, and manage certificates.
- Deploy, configure, and troubleshoot Active Directory Lightweight Directory Services (AD LDS).
- Deploy, configure, and troubleshoot Active Directory Federation Services 2.0 (AD FS 2.0).
- Deploy, configure, and troubleshoot Active Directory Rights Management Services (AD RMS).
- Maintain Windows Server 2008 and Windows Server 2008 R2 Active Directory IDA Solutions

**Key Topics:**

**Module 1: Exploring Identity and Access Solutions**

This module introduces Identity and Access Management (IDA Management) solutions. You will learn the fundamental IDA components and Windows Server 2008 and Windows Server 2008 R2 IDA technologies. This module also provides an overview of Microsoft Forefront technologies that further enhance IDA solutions.

Lessons

Overview of Identity and Access Techniques  
Active Directory Identity and Access Solutions Server Roles  
Additional Identity and Access Management Tools and Solutions

Lab : Identifying IDA Roles to Meet Business Requirements  
Exploring How Active Directory Server Roles Provide IDA Management Solutions

After completing this module, students will be able to:

- Describe IDA techniques
- Describe Windows Server 2008 IDA server roles
- Describe additional IDA tools and solutions

**Module 2: Deploying and Configuring Active Directory Certificate Services**

This module explains the concepts of public key infrastructure (PKI) and certification authority (CA). You will learn how to deploy a CA hierarchy and install AD CS. This module also describes how to configure AD CS and how to resolve common AD CS issues.

Lessons

Overview of Public Key Infrastructure  
Overview of Certification Authorities  
Deploying Certification Authorities  
Configuring Certification Authorities  
Troubleshooting Active Directory Certificate Services

Lab : Deploying and Configuring Active Directory Certificate Services  
Deploying an Standalone Root CA  
Deploying and Configuring an Enterprise Subordinate CA

After completing this module, students will be able to:

- Describe Public Key Infrastructure
- Describe Certification Authorities
- Deploy Certification Authorities
- Configure Certification Authorities
- Resolve common Active Directory Certificate Services issues

### **Module 3: Deploying and Configuring Certificates**

This module describes the deployment of certificates by using AD CS. In addition, the module elaborates on managing enrolment to deploy certificates, certificate revocation, and configuration of certificate template and certificate recovery.

#### Lessons

Managing Certificate Templates  
Deploying Certificates and Managing Enrolment  
Managing Certificate Revocation  
Configuring Certificate Recovery

Lab : Deploying Certificates and Managing Enrolment  
Configuring Certificate Templates  
Configuring Autoenrolment  
Managing Certificate Revocation  
Configuring Key Recovery

After completing this module, students will be able to:

- Manage certificate templates
- Deploy certificates and manage enrolment
- Manage certificate revocation
- Configure certificate recovery

### **Module 4: Deploying and Configuring Active Directory Lightweight Directory Services**

This module explains the concept of AD LDS. You will learn how to install AD LDS, configure AD LDS instances and partitions, and configure AD LDS replication. This module also describes how to resolve common AD LDS issues.

#### Lessons

Overview of Active Directory Lightweight Directory Services  
Deploying and Configuring Active Directory Lightweight Directory Services  
Configuring AD LDS Instances and Partitions  
Configuring Active Directory Lightweight Directory Services Replication  
Troubleshooting Active Directory Lightweight Directory Services

Lab : Deploying and Configuring Active Directory Lightweight Directory Services  
Configuring AD LDS Instances and Partitions  
Configuring AD LDS Replication  
Identifying AD LDS Solution Tools and Troubleshooting Steps

After completing this module, students will be able to:

- Describe Active Directory Lightweight Directory Services
- Deploy and configure Active Directory Lightweight Directory Services
- Configure Active Directory Lightweight Directory Services instances and partitions
- Configure Active Directory Lightweight Directory Services replication
- Resolve common Active Directory Lightweight Directory Services issues

### **Module 5: Deploying and Configuring Active Directory Federation Services**

This module presents the concept of AD FS 2.0 and its deployment scenarios. You will learn how to deploy AD FS 2.0 and implement AD FS claims. This module also describes how to resolve common AD FS issues.

#### Lessons

Overview of Active Directory Federation Services 2.0  
Deploying Active Directory Federation Services  
Configuring Active Directory Federation Services Partner Organisations and Claims  
Troubleshooting Active Directory Federation Services

Lab : Deploying and Configuring Active Directory Federation Services  
Installing the PKI Infrastructure and Preparing for Federated Collaboration with ADFS 2.0

Installing and Configuring Active Directory Federation Services (ADFS) 2.0  
Configuring AD FS 2.0 for Internal Users to Access an Internal Claim Aware Application  
Configuring AD FS 2.0 for Internal Users to Access a Partner's Claim Aware Application

After completing this module, students will be able to:

- Describe Active Directory Federation Services
- Deploy Active Directory Federation Services
- Configure Active Directory Federation Services partner organisations and claims
- Resolve common Active Directory Federation Services issues

### **Module 6: Deploying and Configuring Active Directory Rights Management Services**

This module explains the concept of AD RMS. You will learn how to install and configure AD RMS server components, administer AD RMS rights policy templates, and implement AD RMS trust policies. This module also describes how to resolve common AD RMS issues.

Lessons

Overview of Active Directory Rights Management Services  
Deploying and Configuring Active Directory Rights Management Services  
Configuring AD RMS Rights Policy Templates and Exclusion Policies  
Configuring Active Directory Rights Management Services Trust Policies  
Troubleshooting Active Directory Rights Management Services

Lab : Deploying and Configuring Active Directory Rights Management Services

Installing and Configuring AD RMS  
Configuring AD RMS Templates  
Configuring AD RMS Trust Policies  
Testing AD RMS Functionality  
Generating AD RMS Reports

After completing this module, students will be able to:

- Describe Active Directory Rights Management Services
- Deploy and configure Active Directory Rights Management Services
- Configure Active Directory Rights Management Services rights policy templates and exclusion policies
- Configure Active Directory Rights Management Services trust policies
- Resolve common Active Directory Rights Management Services issues

### **Module 7: Maintaining Windows Server 2008 Active Directory Identity and Access Solutions**

This module explains the maintenance of AD CS, AD LDS, AD FS 2.0, and AD RMS.

Lessons

Maintaining Active Directory Certificate Services  
Maintaining Active Directory Lightweight Directory Services  
Maintaining Active Directory Federation Services  
Maintaining Active Directory Rights Management Services

Lab : Maintaining Windows Server 2008 Active Directory Identity and Access Solutions

Configuring CA Event Auditing  
Backing up Active Directory Certificate Services  
Backing up and Restoring an Active Directory Lightweight Directory Services Instance  
Configuring AD RMS Logging

After completing this module, students will be able to:

- Maintain Active Directory Certificate Services
- Maintain Active Directory Lightweight Directory Services
- Maintain Active Directory Federation Services
- Maintain Active Directory Rights Management Services

### **Target Audience:**

This course is intended for those who want to learn how IDA solutions are implemented in Windows Server 2008 and Windows Server 2008 R2. It is also intended for those preparing for MCTS: Windows Server 2008 Active Directory certification. This course provides a technology overview of IDA and PKI solutions, and details the implementation of each of the roles in Windows Server 2008 and Windows Server 2008 R2 that implement the IDA solution.

**Prerequisites:**

Technical skills in Active Directory Domain Services (AD DS). This includes technical skills equivalent to 6425C: Configuring Windows Server 2008 Active Directory Domain Services.  
Technical skills in Windows Server 2008 equivalent to 6419B: Configuring, Managing and Maintaining Windows Server 2008 Servers.