

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

Course 6426A: Three days; Instructor-Led Preliminary Course Syllabus

## Introduction

Elements of this syllabus are subject to change.

This three-day instructor-led course provides the knowledge and skills that IT Professionals need to configure identity and access solutions with Windows Server 2008 Active Directory.

## Audience

The audience for this course is IT Professionals interested in IDA solutions in their enterprise environment. Most students will be IT professionals who are responsible for integrating applications and platforms with enterprise directory and security services while increasing access to a growing number of customers and partners.

## At Course Completion

After completing this course, students will be able to:

- Describe identity and access solutions.
- Configure Active Directory Certificate Services.
- Deploy and manage certificates.
- Configure Active Directory Lightweight Directory Services.
- Configure Active Directory Federation Services.
- Configure Active Directory Rights Management Services.
- Maintain access management solutions.
- Troubleshoot identity and access solutions.

## Prerequisites

This course requires that students meet the following prerequisites:

- Technical knowledge equivalent to 6424: Fundamentals of Microsoft Server 2008 Active Directory
- Technical background knowledge and hands-on experience of Active Directory Domain Services (AD DS from the AD TS foundation exam). This includes technical knowledge equivalent to 6425A: Configuring Windows Server 2008 Active Directory Domain Services

## Course Outline

### Module 1: Exploring Identity and Access Solutions

After completing this module, students will be able to explore identity and access solutions.

#### Lessons

- Overview of Identity and Access Management
- Active Directory Server Roles in Identity and Access Management
- Identity Lifecycle Manager

## **Lab: Exploring Identity and Access Solutions 2008**

- Exploring how Active Directory server roles will provide identity and access management solutions

After completing this module, students will be able to:

- Describe identity and access management.
- Identify Active Directory server roles in identity and access management.
- Understand Identity Lifecycle Manager.

## **Module 2: Configuring Active Directory Certificate Services**

After completing this module, students will be able to configure Active Directory Certificate Services.

### **Lessons**

- Overview of Public Key Infrastructure
- Deploying a Certification Authority Hierarchy
- Installing Active Directory Certificate Services
- Managing a Certification Authority

### **Lab: Configuring Active Directory Certificate Services**

- Installing AD CS as an Enterprise Root CA
- Installing Enterprise Subordinate CA
- Configuring CA
- Configuring AD CS

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**

After completing this module, students will be able to deploy and manage certificates.

### **Lessons**

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

### **Lab: Deploying and Managing Certificates**

- Issuing and Automating the Issuing of Certificates by Using AD CS
- Managing Enrollment
- Revoking Certificates
- Configuring and Issuing Certificate Templates
- Configuring Certificate Recovery

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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**

After completing this module, students will be able to configure Active Directory Lightweight Directory Services.

##### **Lessons**

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

##### **Lab: Configuring Active Directory Lightweight Directory Services**

- Installing and Configuring AD LDS
- Creating AD LDS Partitions and Instances
- Configuring AD LDS Replication Discussions about Exercise 1-3 results

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**

After completing this module, students will be able to configure Active Directory Federation Services.

##### **Lessons**

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

##### **Lab: Configuring AD FS**

- Installing AD FS in the Partner and Account Organization
- Configuring AD FS Proxy Servers
- Configuring Web Application Server
- Configuring Claims Aware Application
- Testing the Functionality of AD FS
- Installing Identity Management for UNIX (Server-only)

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After completing this module, students will be able to:

- Describe AD FS.
- Understand AD FS deployment scenarios.
- Deploy AD FS.
- Implement AD FS claims.

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

After completing this module, students will be able to configuring Active Directory Rights Management Services.

### **Lessons**

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

### **Lab: Configuring Active Directory Rights Management Services**

- Installing and Configuring AD RMS
- Configuring ADRMS Client Settings and AD RMS Templates
- Testing AD RMS Functionality

After completing this module, students will be able to:

- Describe AD RMS.
- Install and configure AD RMS server components.
- Administer AD RMS.
- Implement AD RMS trust policies.

## **Module 7: Maintenance of Access Management Solutions**

After completing this module, students will be able to maintain access management solutions.

### **Lessons**

- Support for AD CS
- Maintenance of AD LDS
- Long-term support for AD FS
- Preservation of AD RMS

### **Lab: Maintaining Access Management Solutions**

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

After completing this module, students will be able to:

- Support AD CS.
- Maintain AD LDS.
- Provide long-term support for AD FS.
- Preserve AD RMS.

## **Module 8: Troubleshooting Identity and Access Solutions**

After completing this module, students will be able to Design Active Directory disaster recovery in Windows Server 2008.

### **Lessons**

- Troubleshooting AD CS
- Troubleshooting AD LDS
- Troubleshooting AD FS
- Troubleshooting AD RMS

### **Lab: Troubleshooting Active Directory Server Roles**

- Troubleshooting AD CS
- Troubleshooting AD LDS
- Troubleshooting AD FS
- Troubleshooting AD RMS

After completing this module, students will be able to:

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