

## Fundamentals of Windows Server 2008 Active Directory (MS6424)

**Duration: 3 days**

### Description

This three-day instructor-led course provides Active Directory Technology Specialists an introduction to Active Directory server roles in Windows Server 2008. The course is intended for entry level students who want to get familiar with the Active Directory server roles and their basic functionality.

### Audience

The primary audience for this course is IT Professionals who are new to Active Directory and want to become familiar with Active Directory concepts.

### Prerequisites

Before attending this course, students must have:

- Basic understanding of networking.
- Basic understanding of network operating systems.
- Basic knowledge of server hardware. A+ or equivalent knowledge (not required but expected).

### Topics

#### MODULE 1: EXPLORING WINDOWS SERVER 2008 ACTIVE DIRECTORY ROLES

This module provides an overview of the Active Directory server roles.

##### Lessons

- Overview of Active Directory Domain Services
- Overview of Active Directory Lightweight Directory Services
- Overview of Active Directory Certificate Services
- Overview of Active Directory Rights Management Services
- Overview of Active Directory Federation Services

##### Lab: Exploring Windows Server 2008 Active Directory Server Roles

- Exercise 1: Planning Active Directory Server Role Implementations

- Exercise 2: Understanding Active Directory Server Role Integration with AD DS

#### MODULE 2: INTRODUCTION TO ACTIVE DIRECTORY DOMAIN SERVICES

This module explains the reasons for deploying AD DS and describes the AD DS components.

##### Lessons

- Overview of AD DS
- Overview of AD DS Logical Components
- Overview of AD DS Physical Components

##### Lab: Exploring AD DS Components and Tools

- Exercise 1: Examining the AD DS Logical Components
- Exercise 2: Examining the AD DS Physical Components

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### MODULE 3: INTRODUCTION TO ACTIVE DIRECTORY LIGHTWEIGHT DIRECTORY SERVICES

This module explains how Active Directory Lightweight Directory Services (AD LDS) works and how to configure AD LDS components.

#### *Lessons*

- AD LDS Overview
- Implementing and Administering AD LDS
- Implementing AD LDS Replication
- Comparing AD DS and AD LDS

#### *Lab: Configuring AD LDS*

- Exercise 1: Configuring AD LDS Instances and Application Partitions
- Exercise 2: Configuring AD LDS Access Control
- Exercise 3: Configuring AD LDS Replication

### MODULE 4: INTRODUCTION TO ACTIVE DIRECTORY CERTIFICATE SERVICES

This module explains how Active Directory Certificate Services (AD CS) works and how to implement AD CS certificate enrollment.

#### *Lessons*

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

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

- Exercise 1: Requesting Certificates Using Web Enrollment
- Exercise 2: Managing Certificate Requests and Revocation

### MODULE 5: INTRODUCTION TO ACTIVE DIRECTORY RIGHTS MANAGEMENT SERVICES

This module explains how Active Directory Rights Management Services (AD RMS) works and how to configure AD RMS settings.

#### *Lessons*

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

#### *Lab: Exploring AD RMS*

- Exercise 1: Verifying AD RMS Functionality
- Exercise 2: Customizing the AD RMS Configuration

### MODULE 6: INTRODUCTION TO ACTIVE DIRECTORY FEDERATION SERVICES

This module explains how Active Directory Federation Services (AD FS) works and how to configure AD FS components.

#### *Lessons*

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

#### *Lab: Exploring AD FS*

- Exercise 1: Implementing the AD FS Components (Discussion)
- Exercise 2: Configuring the AD FS Resource Partner Organization

### MODULE 7: CREATING ACTIVE DIRECTORY DOMAIN SERVICES USER AND COMPUTER OBJECTS

This module explains how to configure AD DS user and computer accounts.

#### *Lessons*

- Managing User Accounts
- Creating Computer Accounts

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- Using Queries to Locate Objects in AD DS

*Lab: Creating AD DS User and Computer Accounts*

- Exercise 1: Creating and Configuring User Accounts
- Exercise 2: Creating and Configuring Computer Accounts

*Lab: Managing Access to Resources*

- Exercise 1: Planning a Shared Folder Implementation (Discussion)
- Exercise 2: Implementing a Shared Folder Implementation
- Exercise 3: Evaluating the Shared Folder Implementation

### **MODULE 8: CREATING ACTIVE DIRECTORY DOMAIN SERVICES GROUPS AND ORGANIZATIONAL UNITS**

This module explains how to configure AD DS group accounts and organizational units (OU).

*Lessons*

- Introduction to AD DS Groups
- Managing Group Accounts
- Creating Organizational Units

*Lab: Creating an OU Infrastructure*

- Exercise 1: Creating AD DS Groups
- Exercise 2: Planning an OU Hierarchy (Discussion)
- Exercise 3: Creating an OU Hierarchy

### **MODULE 9: MANAGING ACCESS TO RESOURCES IN ACTIVE DIRECTORY DOMAIN SERVICES**

This module explains how to manage access to shared resources in an AD DS environment.

*Lessons*

- Managing Access Overview
- Assigning Permissions to Shared Resources
- Managing NTFS File and Folder Permissions
- Determining Effective Permission