

## Course Outline

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### 6424- Fundamentals of Windows Server 2008 Active Directory



**Duration:** 3 days (18 hours)

**Target 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 Covered:

- Module 1: Exploring Windows Server 2008 Active Directory Roles
  - 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

After completing this module, students will be able to:

- Describe the Active Directory server roles required for a variety of Active Directory deployment scenarios.
- Describe the integration of AD DS with other Active Directory server roles

- Module 2: Introduction to Active Directory Domain Services
  - 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

After completing this module, students will be able to:

- Install the AD DS management tools on a Windows Vista computer.
- Describe the AD DS logical components
- Describe the AD DS physical components

- Module 3: Introduction to Active Directory Lightweight Directory Services
  - 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

After completing this module, students will be able to:

- Configure AD LDS instances and application partitions.
- Configure AD LDS access control.
- Configure AD LDS replication.

- Module 4: Introduction to Active Directory Certificate Services
  - 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

After completing this module, students will be able to:

- Request certificates using Web enrollment.
- Manage certificate requests.

- Module 5: Introduction to Active Directory Rights Management Services
  - 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

After completing this module, students will be able to:

- Verify AD RMS functionality.
- Customize the AD RMS configuration.

- Module 6: Introduction to Active Directory Federation Services
  - 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

After completing this module, students will be able to:

- Describe how to implement the AD FS components.
- Configure the AD FS resource partner organization.

- Module 7: Creating Active Directory Domain Services User and Computer Objects
  - Managing User Accounts
  - Creating Computer Accounts
  - 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

After completing this module, students will be able to:

- Create and configure user accounts
- Create and configure computer accounts.

➤ Module 8: Creating Active Directory Domain Services Groups and Organizational Units

- 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

After completing this module, students will be able to:

- Create and configure group accounts.
- Create and configure organizational units
- Apply considerations when creating an OU design.

➤ Module 9: Managing Access to Resources in Active Directory Domain Services

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

After completing this module, students will be able to:

- Plan a shared folder implementation.
- Implement a secure shared folder implementation.
- Evaluate the shared folder implementation.