# Fundamentals of Windows Server 2008 Active Directory

About this Course

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 Profile

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

At Course Completion

After completing this course, students will understand how Active Directory server roles are used and learn about the purpose and components of Active Directory Domain Services (AD DS). Students will learn how to configure organizational units and user, computer and group accounts. Lastly, students will learn how to manage access to shared resources.

Course OutlineModule 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

- Planning Active Directory Server Role Implementations
- 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

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

- Examining the AD DS Logical Components
- 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
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

- Configuring AD LDS Instances and Application Partitions
- Configuring AD LDS Access Control
- 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
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

- Requesting Certificates Using Web Enrollment
- 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
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

- Verifying AD RMS Functionality
- 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
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

- Implementing the AD FS Components (Discussion)
- 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
This module explains how to configure AD DS user and computer accounts.
Lessons

- Managing User Accounts
- Creating Computer Accounts
- Using Queries to Locate Objects in AD DS

Lab : Creating AD DS User and Computer Accounts

- Creating and Configuring User Accounts
- 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
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

- Creating AD DS Groups
- Planning an OU Hierarchy (Discussion)
- 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
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

Lab : Managing Access to Resources

- Planning a Shared Folder Implementation (Discussion)
- Implementing a Shared Folder Implementation
- 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.

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).