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Course 6424A:

Fundamentals of Windows Server 2008 Active Directory

Length: 3 Days

Published: May 19, 2008

Language(s): English

Audience(s): IT Professionals

Level: 100

Technology: Windows Server 2008

Type: Course

Delivery Method: Instructor-led (classroom)

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:



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- 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



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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



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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



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- 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.