

Course: **6436A: Designing a Windows Server 2008 Active Directory Infrastructure and Services**

Description:

Price: \$2,375.00

Category: Windows Server

Duration: 5 days

Schedule:

[Request Dates](#)

Outline:

Module 1: Designing an Active Directory Forest Infrastructure in Windows Server 2008

This module explains how to design an Active Directory forest based on business and technical requirements.

Lessons

- Determining Active Directory Forest Design Requirements
- Designing an Active Directory Forest
- Designing Active Directory Forest Trusts
- Managing the Active Directory Schema
- Understanding Windows Time Service

Lab : Designing an Active Directory Forest Infrastructure in Windows Server 2008

- Designing an Active Directory Forest
- Designing and Implementing Active Directory Forest Trusts
- Designing and Implementing Active Directory Schema Changes
- Discussions About Exercise 1-3 Design Decisions

After completing this module, students will be able to:

- Determine Active Directory Forest Design Requirements
- Design an Active Directory Forest
- Design Active Directory Forest Trusts
- Manage the Active Directory Schema
- Understand Windows Time Service

Module 2: Designing an Active Directory Domain Infrastructure in Windows Server 2008

This module explains how to design an Active Directory domain infrastructure based on business and technical requirements.

Lessons

- Designing Active Directory Domains
- Designing the Integration of DNS Namespaces
- Designing the Placement of Domain Controllers
- Designing Active Directory Domain Trusts

Lab : Designing an Active Directory Domain Infrastructure in Windows



Server 2008

- Designing Active Directory Domains
- Designing and Implementing DNS Namespace Integration
- Designing and Implementing Read-Only Domain Controller Security
- Designing and Implementing Active Directory Domain Trusts
- Discussions About Exercise 1-4 Design Decisions

After completing this module, students will be able to:

- Design Active Directory domains
- Design the integration of DNS namespaces
- Design the placement of domain controllers
- Design Active Directory domain trusts

Module 3: Designing Active Directory Sites and Replication in Windows Server 2008

This module explains how to design Active Directory sites and replication roles.

Lessons

- Designing Active Directory Sites
 - Designing AD DS Replication
 - Designing the Placement of Domain Controllers in AD DS Sites
- Lab : Designing AD DS Sites and Replication in Windows Server 2008

- Designing and Implementing AD DS Sites
- Designing and Implementing AD DS Replication
- Designing the Placement of Domain Controllers
- Discussions About Exercise 1-3 Design Decisions

After completing this module, students will be able to:

- Design Active Directory sites
- Design Active Directory replication
- Design the placement of domain controllers in Active Directory sites

Module 4: Designing Active Directory Domain Administrative Structures in Windows Server 2008

This module explains how to design Active Directory domain administrative structures in Windows Server 2008.

Lessons

- Planning an Active Directory Domain Administrative Structure
 - Designing Organizational Unit Structures
 - Designing an Active Directory Group Strategy
 - Planning for User and Computer Account Management
- Lab : Designing AD DS Administrative Structures in Windows Server 2008

- Designing and Implementing Organizational Units
- Designing and Implementing Active Directory Group Strategies
- Automating User Account Management by using Windows PowerShell
- Discussions About Exercise 1-3 Design Decisions

After completing this module, students will be able to:



- Plan an Active Directory domain administrative structure
- Design organizational unit structures
- Design an Active Directory group strategy
- Plan for User and Computer Account management

Module 5: Designing Active Directory Group Policy in Windows Server 2008

This module explains how to design Active Directory Group Policies in Windows Server 2008.

Lessons

- Gathering Information for Group Policy Deployment
- Designing Group Policy Settings
- Designing Group Policy Processing
- Designing Group Policy Management

Lab : Designing Active Directory Administrative Structures in Windows Server 2008

- Designing and Implementing Group Policy Settings
- Designing and Implementing Group Policy Application
- Designing and Implementing Group Policy Management
- Discussions About Exercise 1-3 Design Decisions

After completing this module, students will be able to:

- Gather information for designing the Group Policy deployment.
- Design Group Policy settings
- Design Group Policy processing
- Design Group Policy management

Module 6: Designing AD DS Security in Windows Server 2008

This module explains how to design AD DS security in Windows Server 2008.

Lessons

- Designing Active Directory Security Policies
- Designing Active Directory Domain Controller Security
- Designing Administrator Security and Delegation

Lab : Designing AD DS Security in Windows Server 2008

- Designing and Implementing Domain Security Policies
- Designing and Implementing Domain Controller Security Policies
- Designing and Implementing Administrator Security and Delegation
- Discussions About Exercise 1-3 Design Decisions

After completing this module, students will be able to:

- Design Active Directory security policies
- Design Active Directory domain controller security
- Design administrator security and delegation

Module 7: Designing Active Directory High Availability in Windows



Server 2008

This module explains how to design Active Directory high availability and disaster recovery in Windows Server 2008.

Lessons

- Understanding AD DS High Availability
- Designing an AD DS High Availability Strategy

Lab : Designing AD DS Availability in Windows Server 2008

- Designing a High Availability Plan for AD DS
- Discussions About Exercise 1 Design Decisions

After completing this module, students will be able to:

- Understand AD DS high availability
- Design an AD DS high availability strategy

Module 8: Designing AD DS Disaster Recovery in Windows Server 2008

This module explains how to design AD DS disaster recovery in Windows Server 2008.

Lessons

- Designing an Active Directory Database Maintenance Strategy
- Designing an Active Directory Backup and Recovery Strategy
- Designing an AD DS Monitoring Strategy

Lab : Designing Active Directory Disaster Recovery in Windows Server 2008

- Designing and Implementing a Domain Controller Maintenance Plan
- Designing and Implementing a Domain Controller Monitoring Plan
- Discussions About Exercise 1-2 Design Decisions

After completing this module, students will be able to:

- Design an Active Directory database maintenance strategy
- Design an Active Directory backup and recovery strategy
- Design an Active Directory monitoring strategy

Module 9: Designing Public Key Infrastructure in Windows Server 2008

This module explains how to design Public Key Infrastructure in Windows Server 2008.

Lessons

- Overview of PKI and Active Directory Certificate Services
- Designing a Certification Authority Hierarchy
- Designing Certificate Template
- Designing Certificate Distribution and Revocation

Lab : Designing Public Key Infrastructure in Windows Server 2008

- Designing and Implementing a CA Hierarchy
- Designing and Implementing AD CS Certificate Templates
- Designing and Implementing Certificate Enrollment and Revocation
- Discussions About Exercises 1-3 Design Decisions



After completing this module, students will be able to:

- Describe PKI and Active Directory Certificate Services
- Design a Certification Authority hierarchy
- Design certificate template
- Design certificate distribution and revocation

Module 10: Designing an AD RMS Infrastructure in Windows Server 2008

This module explains how to design AD RMS infrastructure in Windows Server 2008.

Lessons

- Gathering Information for an Active Directory Rights Management Services (AD RMS) Design
- Designing AD RMS Clusters and Access
- Designing AD RMS Backup and Recovery

Lab : Designing an AD RMS Infrastructure in Windows Server 2008

- Designing AD RMS Clusters and Access
- Designing AD RMS Backup and Recovery
- Discussions About Exercises 1-2 Design Decisions

After completing this module, students will be able to:

- Gather information for an AD RMS design
- Design AD RMS clusters and access
- Design AD RMS backup and recovery

Module 11: Designing an Active Directory Federation Services Implementation in Windows Server 2008

This module explains how to design an Active Directory Federation Services (AD FS) implementation.

Lessons

- Overview of an Active Directory Federation Services Design
 - Designing a Business-to-Business Federation
 - Designing Active Directory Federation Services Claims and Applications
- Lab : Designing an Active Directory Federation Services Implementation in Windows Server 2008
- Designing Active Directory Federation Services Access to Applications in a Perimeter Network
 - Designing Active Directory Federation Services Access to Partner Applications
 - Designing Active Directory Federation Services for Partner Access to Applications in a Perimeter Network
 - Discussions About Exercise 1-3 Design Decisions

After completing this module, students will be able to:

- Describe an AD FS design.
- Design a business-to-business federation.
- Design AD FS claims and applications.



Module 12: Designing an AD LDS Implementation

This module explains how to design an AD LDS implementation.

Lessons

- AD LDS Deployment Scenarios
- Overview of an AD LDS Implementation Design
- Designing AD LDS Schema and Replication
- Integrating AD LDS with AD DS

Lab : Designing an AD LDS Implementation

- Designing and Configuring AD LDS Replication for Internal Applications
- Designing and Configuring AD LDS Replication for External Applications
- Designing Highly Available LDAP Services for Multiple Applications
- Discussions About Exercises 1-3 Design Decisions

After completing this module, students will be able to:

- Describe the AD LDS deployment scenarios
- Describe the AD LDS implementation design
- Design AD LDS schema and replication
- Integrate AD LDS with AD DS

Module 13: Designing Active Directory Migrations in Windows Server 2008

This module explains how to design Active Directory migrations in Windows Server 2008.

Lessons

- Choosing an Active Directory Migration Strategy
- Designing a Domain Upgrade Strategy
- Designing a Domain Restructure Strategy

Lab : Designing Active Directory Migrations in Windows Server 2008

- Designing an Active Directory Migration Strategy
- Designing an Active Directory Migration Implementation Plan
- Discussions About Exercise 1-2 Design Decisions

After completing this module, students will be able to:

- Choose an Active Directory migration strategy
- Design a domain upgrade strategy
- Design a domain restructure strategy