
Designing a Windows Server 2008 Active Directory Infrastructure and Services

Varighet: 5 Days Kurskode: M6436 Version: B

Beskrivelse:

During this five-day course, students will learn how to design an Active Directory infrastructure in the Windows Server 2008 and Windows Server 2008 R2 operating systems. Students will learn how to design Active Directory forests, domain infrastructure, sites and replication, administrative structures, Group Policy, and Public Key Infrastructures (PKIs). Students will also learn how to design for security, high availability, disaster recovery, and migrations.

Målgruppe:

This course is intended for IT professionals who want to gain professional job role skills to help them design the infrastructure for Active Directory for Windows Server 2008 and Windows Server 2008 R2 as an Enterprise Administrator. This course is also intended for IT professionals who have been working as Enterprise Administrators on previous versions of Windows Server and who want to update their skills to Windows Server 2008. Students might already be, or have been, Server Administrators who make planning and design decisions at a server level and who want to gain the skills and knowledge they need to transition to enterprise-level design decisions.

Agenda:

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| <p>■ After completing this course, students will be able to:</p> <ul style="list-style-type: none">■ Provide an overview of the lab scenario.■ Create a design for the Active Directory Domain Services (AD DS) forest and forest trust deployment.■ Design an AD DS domain and Domain Name Service (DNS) integration design.■ Design AD DS sites and AD DS replication.■ Create an AD DS domain controller deployment plan.■ Create an AD DS domain administration design and partially implement the design. | <ul style="list-style-type: none">■ Create an AD DS Group Policy design and implement some components of that design.■ Design and implement AD DS security policies that meet security requirements.■ Design and implement a PKI deployment by using Active Directory Certificate Services (AD CS).■ Design an Active Directory Rights Management Services (AD RMS) solution and deploy RMS for internal users.■ Create and implement an Active Directory Lightweight Directory Services (AD LDS) design.■ Review and validate a Federated Web single sign-on (SSO) deployment.■ Design and implement a domain restructure. |
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Forkunnskaper:

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

- System administrator-level working knowledge.
 - Up to one year of experience implementing server plans.
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- Knowledge of client operating system equivalent to the following certifications is beneficial:
- Exam 70-680: TS: Windows 7, Configuration
Or
- Exam 70-620: TS: Windows Vista, Configuring

Innhold:

Module 1: Overview of Active Directory Design

- Preparing For Active Directory Design
- Designing the Internal AD DS Infrastructure
- Extending the Active Directory Design

Module 2: Designing an AD DS Forest Infrastructure

- Designing an AD DS Forest
- Designing AD DS Forest Trusts
- Planning for AD DS Schema Changes
- Designing a Windows Time Service Deployment

Module 3: Designing an AD DS Domain Infrastructure

- Designing AD DS Domains
- Designing DNS Namespaces in an AD DS Environment
- Designing AD DS Domain Trusts

Module 4: Designing AD DS Sites and Replication

- Designing AD DS Sites
- Designing AD DS Replication

Module 5: Designing AD DS Domain Controllers

- Designing Domain Controllers and Domain Controller Placement
- Designing RODC Deployments
- Designing Domain Controllers As Virtual Machines
- Designing Domain Controller Availability

Module 6: Designing AD DS Domain Administration

- Planning the Delegation of AD DS Administration
- Designing the Structure of OUs
- Designing an AD DS Group Strategy
- Planning to Manage User and Computer Accounts

Module 7: Designing AD DS Group Policy

- Preparing for Group Policy Design
- Designing Group Policy Objects
- Designing Group Policy Processing
- Planning for Group Policy Management

Module 8: Designing AD DS Security

- Preparing to Design AD DS Security
- Designing AD DS Account and Password Policies
- Designing AD DS Domain Controller Security
- Designing AD DS Administrator Security

Module 9: Designing a Public Key Infrastructure

- Overview of PKI and AD CS
- Designing a Certification Authority Deployment
- Designing Certificate Templates
- Designing Certificate Distribution and Revocation

Module 10: Designing and Deploying AD RMS

- AD RMS Overview
- Designing an AD RMS Deployment
- Extending the AD RMS Deployment Outside an Organization

Module 11: Designing an AD LDS Infrastructure

- AD LDS Deployment Scenarios
- Designing an AD LDS Server Deployment
- Designing AD LDS Replication
- Integrating AD LDS with AD DS

Module 12: Designing an AD FS Infrastructure

- Overview of an AD FS Design
- Designing an AD FS Deployment
- Designing AD FS Claims and Applications

Module 13: Designing AD DS Transitions

- Choosing an AD DS Transition Strategy
- Designing a Domain-Upgrade Strategy
- Designing a Domain-Restructure Strategy
- Designing AD DS Domain Renaming

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

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