

Microsoft Active Directory

A 5 day **Hands on** training course



Description

This comprehensive, five-day instructor-led course equips IT professionals with the skills to deploy and configure Active Directory Domain Services (AD DS) in distributed environments. Participants will learn to implement Group Policy, perform backup and restore operations, and monitor and troubleshoot Active Directory-related issues on Windows Server. The course also covers the deployment of additional Active Directory server roles, including Active Directory Federation Services (AD FS) and Active Directory Certificate Services (AD CS).



Key outcomes

By the end of the course delegates will be able to:

- ✓ Install and configure domain controllers.
- ✓ Manage objects in AD DS by using graphical tools and Windows PowerShell.
- ✓ Implement AD DS in complex environments.
- ✓ Implement and administer Active Directory Rights Management Services (AD RMS).
- ✓ Implement AD DS sites, and configure and manage replication.
- ✓ Implement and manage GPOs.
- ✓ Secure AD DS and user accounts.
- ✓ Implement and manage a certificate authority (CA) hierarchy with AD CS.



Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Technical staff working with Active Directory.

Prerequisites

Supporting Windows Server.

Duration: 5 days

Overall rating: New Course

Generic Training



Generic training complements product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."

G.C. Fasthosts

Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."

M.B. IBM

Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."

J.W. Vodafone

Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."

V.B. Rockwell Collins

Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."

S.R. Qinetiq

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Course Content

Installing and configuring domain controllers

Overview of AD DS, Overview of AD DS domain controllers, Deploying a domain controller
Hands on: Deploying and administering AD DS, Deploying AD DS, Deploying domain controllers by performing domain controller cloning, Administering AD DS

Managing objects in AD DS

Managing user accounts, Managing groups in AD DS, Managing computer objects in AD DS, Using Windows, PowerShell for AD DS administration, Implementing and managing OUs, Hands on: Managing AD DS objects, Creating and managing groups in AD DS, Creating and configuring user accounts in AD DS, Managing computer objects in AD DS, Administering AD DS, Delegate administration for OUs, Creating and modifying AD DS objects with Windows PowerShell

Advanced AD DS infrastructure management

Overview of advanced AD DS deployments, Deploying a distributed AD DS environment, Configuring AD DS trusts, Hands on: Domain and trust management in AD DS, Implementing forest trusts, Implementing child domains in AD DS

Implementing and administering AD DS sites and replication

Overview of AD DS replication, Configuring AD DS sites, Configuring and monitoring AD DS replication, Hands on: Implementing AD DS sites and replication, Modifying the default site, Creating additional sites and subnets, Configuring AD DS replication, Monitoring and troubleshooting AD DS replication

Implementing Group Policy

Introducing Group Policy, Implementing and administering GPOs, Group Policy scope and Group Policy processing, Troubleshooting the application of GPOs Hands on: Implementing a Group Policy infrastructure, Creating and configuring GPOs, Managing GPO scope, Troubleshooting Group Policy infrastructure Verify GPO application, Troubleshooting GPOs

Managing user settings with Group Policy

Implementing administrative templates, Configuring Folder Redirection, software installation, and scripts

Configuring Group Policy preferences, Hands on: Managing user settings with GPOs, Using administrative templates to manage user settings, Implement settings by using Group Policy preferences, Configuring Folder Redirection, Planning Group Policy (optional)

Securing Active Directory Domain Services

Securing domain controllers, Implementing account security, Implementing audit authentication, Configuring managed service accounts
Hands on: Securing AD DS, Implementing security policies for accounts, passwords, and administrative groups, Deploying and configuring an RODC, Creating and associating a group MSA

Deploying and managing AD CS

Deploying Cas, Administering Cas, Troubleshooting and maintaining Cas, Hands on: Deploying and configuring a two-tier CA hierarchy, Deploying an offline root CA, Deploying an enterprise subordinate CA

Deploying and managing certificates

Deploying and managing certificate templates, Managing certificate deployment, revocation, and recovery, Using certificates in a business environment, Implementing and managing smart cards, Hands on: Deploying and using certificates, Configuring certificate templates, Enrolling and using certificates, Configuring and implementing key recovery

Implementing and administering AD FS

Overview of AD FS, AD FS requirements and planning, Deploying and configuring AD FS, Web Application Proxy Overview, Hands on: Implementing AD FS, Configuring AD FS prerequisites, Installing and configuring AD FS, Configuring an internal application for AD, Configuring AD FS for federated business partners

Implementing and administering AD RMS

Overview of AD RMS, Deploying and managing an AD RMS infrastructure, Configuring AD RMS content protection, Hands on: Implementing an AD RMS infrastructure, Installing and configuring AD RMS, Configuring AD RMS templates, Using AD RMS on clients

