

Lehrgang-Dokumentation



Zentrum für Informatik ZFI AG

MCTS Windows Server 2008 Active Directory (TSAD-0112) -IT Ausbildung nach Mass

<http://www.zfi.ch/TSAD-0112>

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**Zentrum für Informatik ZFI AG
Zentralsekretariat
Technoparkstrasse 1
CH-8005 Zürich
Telefon: 044 732 40 00
Telefax: 044 732 40 09**

Zürich, Basel, Bern, Zürich, Schweiz

Titel	MCTS Windows Server 2008 Active Directory
Untertitel	Lehrgang zum Active-Directory-Spezialist
Einleitung	<p>Die Bedeutung, die Windows Server 2008 im heutigen Markt hat, deutet darauf hin, dass die Nachfrage nach entsprechenden IT-Fachkenntnissen in den kommenden Jahren anhalten wird. Eine Zertifizierung für Windows Server 2008 ist eine wertvolle Demonstration Ihrer Kenntnisse, die das Vertrauen Ihrer Vorgesetzten, potenziellen Arbeitgeber oder Ihres Teams untermauern wird - und Ihnen die Sicherheit bei der Evaluierung und Bereitstellung von Windows Server 2008 bietet. Die Zertifizierungen zum Microsoft Certified Technology Specialist (MCTS) erlauben es IT-Fachleuten, sich auf spezifische Technologien zu konzentrieren und sich von Wettbewerbern zu unterscheiden, indem sie fundierte Kenntnisse und Fertigkeiten im Bereich ihrer Spezialisierungen unter Beweis stellen. Microsoft Certified IT Professionals sind in der Lage, eine bestimmte Microsoft-Technologie zu implementieren, konsistent mit ihr zu arbeiten sowie auftretende Probleme zu lösen. Dies ist der Lehrgang für künftige Microsoft Windows Server 2008 Active-Directory-Spezialisten. Ein Prüfungsvorbereitungs-Workshop ist Bestandteil dieses Lehrgangs. Dadurch werden die Teilnehmenden optimiert auf die Prometric-Prüfung vorbereitet ("Prüfungs-Drill"). Diese Prüfung kann am ZFI absolviert werden (das ZFI ist offizielles Prometric Testing Center). Die Prüfungs-Gebühr ist im Lehrgangspreis nicht inbegriffen und wird separat durch Prometric verrechnet.</p>
Ihr Nutzen	<p>Der Wert einer Zertifizierung für Personen:1) Erhöhte Arbeitsmarktchancen. Eine Microsoft Certified Professional-Zertifizierung steht für fundiertes Wissen zu Microsoft-Produkten und -Technologien. Damit können Sie Ihren Wissensstand gegenüber bestehenden und potenziellen Arbeitgebern belegen.2) Grösseres Vertrauen. Zertifiziertes Wissen wird von Arbeitgebern und Kunden mit erhöhtem Vertrauen in die Fachkompetenz honoriert ? besonders, wenn man noch nicht allzu lang in dem Markt tätig ist.3) Effizienteres Zeitmanagement. Microsoft-Produkte und -Technologien können durch einen Kurs und eine Zertifizierung erschlossen werden. Sie vermitteln zuverlässig jenen Informationshintergrund, der dann bei der Arbeit mehr Zeit für das Wesentliche oder kreativen Spielraum schafft.4) Erhöhte Produktivität. Der professionelle Umgang mit Microsoft-Produkten und -Technologien ermöglicht Ihnen und den Unternehmen, für die Sie arbeiten, eine höhere Produktivität.5) Last but not least: höheres Gehalt.</p>
Voraussetzungen	<p>- gute Kenntnisse der Netzwerk-Technik, wie Ethernet, TCP/IP, DHCP, IP-Adressierung, Subnet-Masken und Domain Name System (DNS)-Erfahrung in der Installation, Konfiguration und Administration von Desktop-Betriebssystemen wie Windows XP Professional, Windows Vista und/oder Windows 7- gute Deutsch- und gute Englisch-Kenntnisse</p>
Teilnehmerkreis	<p>Dieser Kurs richtet sich an IT-Profis, welche noch keine Microsoft-Zertifizierung für dieses Fachgebiet besitzen.</p>
Unterlagen	Original-Microsoft-Kursunterlagen
Folgekurse	
Inhalt	<p>Microsoft-Kurs 6420/WS8F:</p> <ul style="list-style-type: none"> - Fundamentals of Networking Infrastructures - Network Communication Standards

- Physical Network Infrastructure
- Logical Network Organization
- Overview of Active Directory
- Server Roles

- IT Professionals in the Enterprise
- IT Professional Roles
- IT Management and Processes
- Professional Development for IT Professionals

- TCP/IPv4 Fundamentals
- Overview of the TCP/IP Protocol Suite
- Overview of TCP/IP Addressing
- Name Resolution
- Dynamic IP Addressing
- TCP/IPv4 Tools

- Communication Technologies Fundamentals
- Packet Delivery Methods
- Network Content Types

- Creating IPv4 Address Spaces
- Overview of IP Communication
- Sub netting for Complex Networks

- IPv6 Fundamentals
- Introduction to IPv6
- Unicast Ipv6 Addresses
- Configuring IPv6

- Fundamentals of Administering Windows Server 2008
- Windows Server 2008 Administrative Tools
- Monitoring Performance
- Monitoring Events
- Using Remote Desktop for Administration
- Configuring security for Server Administration

- Security Fundamentals
- Defense in Depth
- Securing Access to Web Content
- Securing Access to Files

- Fundamentals of Securing Network Communication

- Public Key Infrastructure
 - Using Certificates

 - Windows Firewall and Caching Fundamentals
 - Overview of Perimeter Security
 - Windows Firewall Overview
 - Creating Windows Firewall Rules
 - Monitoring and Troubleshooting Windows Firewall
 - Demonstration: Monitoring Windows Firewall

 - Remote Access Fundamentals
 - Remote Access Overview
 - RADIUS Overview
 - Network Policy Server
 - Troubleshooting Remote Access

 - Routing Fundamentals
 - Routing Fundamentals
 - What is a Router?
 - Configuring RRAS as a Router
 - Quality of Services

 - Network Load Balancing Fundamentals
 - Network Load Balancing Fundamentals
 - Server Availability and Scalability Overview
 - Windows Network Load Balancing
 - Configuring Windows Network Load Balancing

 - Configuring Print Resources and Printing Pools
 - Configuring Print Resources and Printing Pools
 - Printing Overview
 - Configuring Network Printers
 - Using Print Management
 - Managing Printers
 - Troubleshooting Network Printing

 - Server Virtualization Overview
 - Server Virtualization Overview
 - Creating a Virtual Environment
- Microsoft-Kurs 6419/WS8K:**
- Introduction to Administrative Tasks in Windows Server 2008 Environment
 - Server Roles Overview of Active Directory Using Windows

Server 2008 Administrative Tools Using Remote Desktop for Administration

Creating Active Directory Domain Services User and Computer Objects Managing User Accounts Creating Computer Accounts Automating AD DS Object Management Using Queries to Locate Objects in AD DS

Creating Groups and Organizational Units Introduction to Groups Managing Groups Creating Organizational Units

Managing Access to Resources in Active Directory Domain Services Managing Access Overview Assigning Permissions to Shared Resources Managing NTFS File and Folder Permissions Determining Effective Permission

Configuring Active Directory Objects and Trusts Delegating Administrative Access to AD DS Objects Configuring AD DS Trusts

Creating and Configuring Group Policy Overview of Group Policy Configuring the Scope of Group Policy Objects Evaluating the Application of Group Policy Objects Managing Group Policy Objects Delegating Administrative Control of Group Policy

Configuring User Environments Using Group Policy Configuring Group Policy Settings Configuring Scripts and Folder Redirection Using Group Policy Configuring Administrative Templates Configuring Group Policy Preferences Deploying Software Using Group Policy Introduction to Group Policy Troubleshooting Troubleshooting Group Policy Application Troubleshooting Group Policy Settings

Implementing Security Using Group Policy Configuring Security Policies Implementing Fine-Grained Password Policies Restricting Group Membership and Access to Software Managing Security Using Security Templates

Configuring Server Security Compliance Securing a Windows Infrastructure Configuring an Audit Policy Overview of Windows Server Update Services Managing WSUS Planning for Security Update Management

Configuring and Managing Storage Technologies Windows Server 2008 Storage Management Overview Managing Storage Using File Server Resource Manager Configuring Quota Management Implementing File Screening Managing Storage Reports Troubleshooting Storage Issues

Configuring and Managing Distributed File System DFS Overview Configuring DFS Namespaces Configuring DFS Replication

Configuring Network Access Protection Overview of Network Access Protection How NAP Works Configuring NAP Monitoring and

Troubleshooting NAP

**Configuring Availability of Network Resources
Configuring Shadow Copies
Providing Server and Service Availability**

**Monitoring and Maintaining Windows Server 2008 Servers
Planning Monitoring Tasks
Calculating a Server Baseline
Measuring Performance Objects
Analyzing key performance counters
Selecting Appropriate Monitoring Tools
Planning Notification Methods
Overview of Windows Server 2008 Maintenance Tasks
Automating Windows Server 2008 Maintenance**

**Managing Windows Server 2008 Backup and Restore
Planning Backups with Windows Server 2008
Planning Backup Policy on Windows Server 2008
Planning a Server Restore Policy
Planning an EFS Restore Policy
Verifying Restored Data**

Microsoft-Kurs 6425/WS80:

- Installing Active Directory Domain Services
- Installing Active Directory Domain Services
- Deploying Read-Only Domain Controllers
- Configuring AD DS Domain Controller Role
- Lab: Implementing Read-Only Domain Controllers

- Configuring DNS for AD DS
- Overview of Active Directory Domain Services and DNS Integration
- Configuring Active Directory Integrated Zones
- Configuring Read Only DNS
- Lab: Configuring AD DS and DNS Integration

- Configuring Active Directory Objects and Trusts
- Configuring Active Directory Objects
- Automating AD DS Object Management
- Delegating Administrative Access to AD DS Objects
- Configuring AD DS Trusts
- Lab: Configuring Active Directory Objects and Trusts

- Configuring Active Directory Sites and Replication
- Overview of AD DS Replication
- Configuring Active Directory Domain Services Sites
- Configuring and Monitoring AD DS Replication
- Lab: Configuring Active Directory Sites and Replication

- Creating and Configuring Group Policies
- Overview of Group Policies

- **Configuring the Scope of Group Policy Objects**
- **Evaluating the Application of Group Policy Objects**
- **Managing Group Policy Objects**
- **Delegating Administrative Control of Group Policies**
- **Lab: Creating and Configuring GPOs**

- **Configuring User Environments Using Group Policies**
- **Configuring Group Policy Settings**
- **Configuring Scripts and Folder Redirection Using Group Policies**
- **Configuring Administrative Templates**
- **Deploying Software Using Group Policy**
- **Lab: Configuring user Environments Using Group Policies**

- **Implementing Security Using Group Policies**
- **Configuring Security Policies**
- **Implementing Fine-Grained Password Policies**
- **Restricting Group Membership and Access to Software**
- **Managing Security Using Security Templates**
- **Lab: Implementing Security by Using Group Policies**

- **Implementing an Active Directory Domain Services Monitoring Plan**
- **Monitoring Active Directory Domain Services Using Event Viewer**
- **Monitoring Active Directory Domain Servers by Using Reliability and Performance Monitor**
- **Configuring Active Directory Domain Services Auditing**
- **Lab: monitoring Active Directory Domain Services**

- **Implementing an Active Directory Domain Services Maintenance Plan**
- **Maintaining the AD DS Domain Controllers**
- **Backing Up Active Directory Domain Services**
- **Restoring Active Directory Domain Services**
- **Lab: Implementing an Active Directory Domain Services Maintenance Plan**

- **Troubleshooting**
- **Troubleshooting Active Directory Domain Services**
- **Troubleshooting DNS Integration with AD DS**
- **Troubleshooting AD DS Replication**
- **Lab: Troubleshooting Active Directory, DNS, and Replication Issues**

- **Troubleshooting Group Policy Issues**
- **Introduction to Group Policy Troubleshooting**
- **Troubleshooting Group Policy Application**
- **Troubleshooting Group Policy Settings**
- **Lab: Troubleshooting Group Policy Issues**

- Implementing an Active Directory Domain services Infrastructure
- Overview of the AD DS Deployment
- Lab: Deploying Active Directory Domain Services

Microsoft-Kurs 6426/WS8I:

- Exploring Identity and Access Solutions
- Overview of Identity and Access Management
- Active Directory Server Roles in Identity and Access Management
- Identity Lifecycle Manager
- Lab: Exploring Identity and Access Solutions 2008

- Configuring Active Directory Certificate Services
- Overview of Public Key Infrastructure
- Deploying a Certification Authority Hierarchy
- Installing Active Directory Certificate Services
- Managing a Certification Authority
- Lab: Configuring Active Directory Certificate Services

- Deploying and Managing Certificates
- Deploying Certificates by Using AD CS
- Deploying Certificates by Using Auto enrollment
- Revoking Certificate Templates
- Configuring Certificate Recovery
- Lab: Deploying and Managing Certificates

- Configuring Active Directory Lightweight Directory Services
- Installing and Configuring AD LDS
- Creating AD LDS Partitions and Instances
- Configuring AD LDS Replication Discussions about Exercise 1 - 3 results

- Configuring Active Directory Federation Services
- Overview of AD FS
- AD FS Deployment Scenarios
- Deploying AD FS
- Implementing AD FS Claims
- Lab: Configuring AD FS

- Configuring Active Directory Rights Management Services
- Overview of AD RMS
- Installing and Configuring AD RMS Server Components
- Administering AD RMS

- Implementing AD RMS Trust Policies
- LAB: Configuring Active Directory Rights Management Services

- Maintenance of Access Management Solutions
- Support for AD CS
- Maintenance of AD LDS
- Long-term support for AD FS
- Preservation of AD RMS
- Lab: Maintaining Access Management Solutions

- Troubleshooting Identity and Access Solutions
- Troubleshooting AD CS
- Troubleshooting AD LDS
- Troubleshooting AD FS
- Troubleshooting AD RMS
- Lab: Troubleshooting Active Directory Server Roles

Beitrag

Der Teilnehmerbeitrag versteht sich rein netto. Das ZFI ist (gemäss MwSt-Gesetz) nicht Mehrwertsteuerpflichtig und erhebt somit keine MwSt. Bei länger als einen Monat dauernden Lehrgängen ist die Zahlung des Teilnehmerbeitrages in mehreren Raten möglich (pro rata temporis).