

Updating your Active Directory Technology Skills to Windows Server 2008

- **Course Number:** 6416A
- **Length:** 3 Day(s)

Certification Exam

This course will help you prepare for the following exams:

- **Exam 70-648:** Upgrading Your MCSA on Windows Server 2003 to Windows Server 2008, Technology Specialist
- **Exam 70-649:** Upgrading Your MCSE on Windows Server 2003 to Windows Server 2008, Technology Specialist

Course Overview

This course provides students with an understanding of Active Directory technology in Windows Server 2008. This course is intended to allow individuals who already have experience with Active Directory to upgrade their skills for Windows Server 2008. This course is based on an interim build of Windows Server 2008.

Prerequisites

Before attending this course, students must have:

- On-the-job experience in planning, implementing, managing, or supporting Microsoft Windows Server 2000 or 2003, including Active Directory and Network Infrastructure
- Working knowledge of networking, for example, TCP/IP and Domain Name System (DNS)
- Designed Security for a Microsoft Windows Server 2003 Network
- Designed a Microsoft Windows Server 2003 Active Directory and Network Infrastructure
- Installed, Configured, and Administered Microsoft Windows 2000, Windows XP Professional, or Microsoft Vista

Audience

This course is intended for IT Professionals experienced on the technologies included in Windows Server 2000 and Windows Server 2003, and who hold an MCSE or MCSA certification and/or equivalent knowledge.

Course Outline

- Course Introduction
- Module 1 - Introduction to Active Directory Technology in Windows Server 2008
- Introduction to Active Directory Technology in Windows Server 2008

- Lesson 1: Active Directory Improvements
- Server Roles in Active Directory
- Windows Server 2008 Installation Results
- Server Manager Console
- What's New in Active Directory
- Demo - Server Manager
- Demo - Server Manager Overview
- Demo - Initial 2008 Install
- Demo - Install Role
- Module 1 Review
- Module 2 - Planning for Windows Server 2008 Active Directory Services
- Planning for Windows Server 2008 Active Directory Services
- Lesson 1: Planning for AD DS Deployment
- How to Design a Forest Infrastructure
- How to Design a Domain Infrastructure
- Discussion: Forest and Domain Considerations
- How to Design a Site Topology
- How to Design the Administrative Infrastructure
- How to Design for Group Policy
- Lesson 2: Considerations for Doing the Upgrade
- Beginning Steps for AD DS Installation
- Read-Only Domain Controller
- AD DS and Server Core
- Server Manager Wizards
- Demo - Install New Forest
- Demo - Verify AD
- Demo - RODC
- Demo - Test AD
- Module 2 Review
- Module 3 - Server Core Domain Controller
- Server Core Domain Controller
- Lesson 1: Domain Controllers of the Server Core
- Reasons for Server Core
- Server Core Architecture
- New in Server Core
- Domain Controller Role on Server Core
- Demo - Server Core
- Demo - Rename Server Core
- Demo - Server Core Roles
- Module 3 Review
- Module 4 - Active Directory Domain Services
- Active Directory Domain Services
- Lesson 1: New Features in AD DS
- AD DS Installation Wizard
- Options for the Unattend Install
- Active Directory Sites and Services

- Lesson 2: Improvements to Security
- The Read-Only Domain Controller
- Server Core and DC Roles
- Common Criteria
- Auditing
- Lesson 3: Manageability and Reliability
- DFSR for SYSVOL
- RODC Administrator Role Separation
- DNS Improvements
- Restartable AD DS
- Demo - Create User
- Demo - Create Sites
- Demo - Site GPO
- Module 4 Review
- Module 5 - AD Federation, Lightweight Directory & Rights Management Services
- AD Federation, Lightweight Directory & Rights Management Services
- Lesson 1: Federation Services
- AD FS Overview
- Lesson 2: Lightweight Directory Services
- New Technology
- AD LDS Overview
- Benefits of AD LDS
- AD LDS Usage Scenarios
- Lesson 3: Rights Management Services
- AD RMS Overview
- Demo - Installing RMS
- Module 5 Review
- Module 6 - Read-Only Domain Controllers
- Read-Only Domain Controllers
- Lesson 1: Read-Only Domain Controller
- Read-Only Domain Controller
- RODC Deployment Prerequisites
- Read-Only Active Directory Database
- Read-Only Domain Controller Replication
- Lesson 2: Operation of Read-Only Domain Controller
- Credential Caching
- Administrator Role Separation
- Read-Only Domain Name System
- Demo - Install RODC
- Demo - RODC Admin
- Module 6 Review
- Module 7 - Auditing Active Directory Domain Services Changes
- Auditing Active Directory Domain Services Changes
- Lesson 1: New Features with AD DS Auditing
- Auditing Overview
- Auditing with Windows Server 2008

- Lesson 2: Implementing AD DS Change Auditing
- Global Audit Policy
- System Access Control List
- Schema
- New AD DS Auditing Events
- Attribute Syntaxes
- Demo - Intro Auditing
- Demo - Enable Auditing
- Demo - Inspect Auditing
- Module 7 Review
- Module 8 - Enterprise PKI Active Directory Certificate Services (AD CS)
- Enterprise PKI Active Directory Certificate Services (AD CS)
- Lesson 1: Certificate Authority
- Certificate Authority
- Enterprise PKI
- Certificate Policy Settings
- Microsoft Simple Certificate Enrollment Protocol
- Online Certificate Status Protocol
- Certificate Web Enrollment
- Demo - Install CA
- Demo - Issue Certificate
- Demo - Performance Monitor
- Demo - OCSP Responder
- Demo - OCSP
- Module 8 Review
- Course Closure