

Hands-On

# Windows Server 2008 Active Directory 70-640



## Course Description

This Hands-On course provides Active Directory Technology Specialists an introduction to Active Directory server roles in Windows Server 2008. The course is intended for entry level students who want to get familiar with the Active Directory server roles and their basic functionality.

## Students Will Learn

- Understand how Active Directory server roles are used
- Learn about the purpose and components of Active Directory Domain Services (AD DS)
- How to configure organizational units and user
- How to configure computer and group accounts
- How to manage access to shared resources
- And much more...

## Target Audience

The primary audience for this course is IT Professionals who are new to Active Directory and want to become familiar with Active Directory concepts.

## Course Outline

Module 1: Exploring Windows Server 2008 Active Directory Roles

This module provides an overview of the Active Directory server roles.

- Overview of Active Directory Domain Services
- Overview of Active Directory Lightweight Directory Services
- Overview of Active Directory Certificate Services
- Overview of Active Directory Rights Management Services
- Overview of Active Directory Federation Services

After completing this module, students will be able to:

- Describe the Active Directory server roles required for a variety of Active Directory deployment scenarios.
- Describe the integration of AD DS with other Active Directory server roles

## **Module 2: Introduction to Active Directory Domain Services**

This module explains the reasons for deploying AD DS and describes the AD DS components.

- Overview of AD DS
- Overview of AD DS Logical Components
- Overview of AD DS Physical Components

After completing this module, students will be able to:

- Install the AD DS management tools on a Windows Vista computer.
- Describe the AD DS logical components
- Describe the AD DS physical components

## **Module 3: Introduction to Active Directory Lightweight Directory Services**

This module explains how Active Directory Lightweight Directory Services (AD LDS) works and how to configure AD LDS components.

- AD LDS Overview
- Implementing and Administering AD LDS
- Implementing AD LDS Replication
- Comparing AD DS and AD LDS

After completing this module, students will be able to:

- Configure AD LDS instances and application partitions.
- Configure AD LDS access control.
- Configure AD LDS replication.

## **Module 4: Introduction to Active Directory Certificate Services**

This module explains how Active Directory Certificate Services (AD CS) works and how to implement AD CS certificate enrollment.

- Overview of Active Directory Certificate Services
- Understanding Active Directory Certificate Services Certificates
- Implementing Certificate Enrollment and Revocation

After completing this module, students will be able to:

- Request certificates using Web enrollment.
- Manage certificate requests.

## **Module 5: Introduction to Active Directory Rights Management Services**

This module explains how Active Directory Rights Management Services (AD RMS) works and how to configure AD RMS settings.

- AD RMS Overview
- Understanding AD RMS
- Managing AD RMS

After completing this module, students will be able to:

- Verify AD RMS functionality.
- Customize the AD RMS configuration.

### **Module 6: Introduction to Active Directory Federation Services**

This module explains how Active Directory Federation Services (AD FS) works and how to configure AD FS components.

- AD FS Overview
- AD FS Deployment Scenarios
- Configuring AD FS Components

After completing this module, students will be able to:

- Describe how to implement the AD FS components.
- Configure the AD FS resource partner organization.

### **Module 7: Creating Active Directory Domain Services User and Computer Objects**

This module explains how to configure AD DS user and computer accounts.

- Managing User Accounts
- Creating Computer Accounts
- Using Queries to Locate Objects in AD DS

After completing this module, students will be able to:

- Create and configure user accounts
- Create and configure computer accounts.

### **Module 8: Creating Active Directory Domain Services Groups and Organizational Units**

This module explains how to configure AD DS group accounts and organizational units (OU).

- Introduction to AD DS Groups
- Managing Group Accounts
- Creating Organizational Units

After completing this module, students will be able to:

- Create and configure group accounts.
- Create and configure organizational units
- Apply considerations when creating an OU design.

## **Module 9: Managing Access to Resources in Active Directory Domain Services**

This module explains how to manage access to shared resources in an AD DS environment.

- Managing Access Overview
- Assigning Permissions to Shared Resources
- Managing NTFS File and Folder Permissions
- Determining Effective Permission

After completing this module, students will be able to:

- Plan a shared folder implementation.
- Implement a secure shared folder implementation.
- Evaluate the shared folder implementation.

### **Delivery Method**

Instructor-Led with numerous Hands-On labs and exercises.

### **Equipment Requirements**

**(This apply's to our hands-on courses only)**

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

### **Course Length**

3 Days