

# 6425 - Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Services



## Introduction

This five-day instructor-led course provides to teach Active Directory Technology Specialists with the knowledge and skills to configure Active Directory Domain Services in a distributed environment, implement Group Policies, perform backup and restore, and monitor and troubleshoot Active Directory related issues.

## Audience

The primary audience for this course are AD Technology Specialists, Server Administrators, and Enterprise Administrators who want to learn how to implement AD in a distributed environment, secure domains using Group Policies, and perform backup, restore, and monitor and troubleshoot AD configuration to ensure trouble free operation.

## At Course Completion

After completing this course, students will be able to implement and configure Active Directory domain services in their enterprise environment.

## Course Materials

The Microsoft Official Learning Product student kit includes a comprehensive workbook and other necessary materials for this class.

## Prerequisites

Before attending this course, students must have:

- Basic understanding of networking.
- Intermediate understanding of network operating systems.
- An awareness of security best practices.
- Basic knowledge of server hardware. A+ or equivalent knowledge
- Some experience creating objects in Active Directory.
- Foundation course (6424) or equivalent knowledge.
- Basic concepts of backup and recovery in a Windows Server Environment.

## Course Details

### Introducing Active Directory Domain Services (AD DS)

- Introducing Active Directory, Identity, and access
- Active Directory Components and Concepts
- Install Active Directory Domain Services
- Extend IDA with Active Directory Services

### Secure and Efficient Administration of Active Directory

- Work with Active Directory Snap-ins
- Custom Consoles and Least Privilege
- Find Objects in Active Directory
- Use DS Commands to Administer Active Directory

### Manage Users

- Create and Administer User Accounts
- Configure User Object Attributes
- Automate User Account Creation

### Manage Groups

- Manage an Enterprise with Groups
- Administer Groups
- Best Practices for Group Management

### Support Computer Accounts

- Create Computers and Join the Domain
- Administer Computer Objects and Accounts

If you are interested in a bespoke version of this course, or a combination of any of our other courses, please contact us to discuss your requirements

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### **Implement a Group Policy Infrastructure**

- Understand Group Policy
- Implement a Group Policy
- Explore Group Policy Settings and Features
- Manage Group Policy Scope
- Group Policy Processing
- Troubleshoot Policy Application

### **Manage Enterprise Security and Configuration with Group Policy Settings**

- Delegate the Support of Computers
- Manage Security Settings
- Manage software with GPSI
- Auditing

### **Secure Administration**

- Delegate Administrative Permissions
- Audit Active Directory Changes

### **Improve the Security of Authentication in an Active Directory Domain Services (AD DS) Domain**

- Configure Password and Lockout Policies
- Audit Authentication
- Configure Read-Only Domain Controllers

### **Configure Domain Name System (DNS)**

- Review DNS Concepts, Components, and Processes
- Install and Configure DNS Server in an AD DS Domain
- AD DS, DNS, and Windows
- Advanced DNS Configuration and Administration

### **Administer Active Directory Domain Services (AD DS) Domain Controllers**

- Domain Controller Installation Options
- Install a Server Core DC
- Manage Operations Masters
- Configure DFS Replication of SYSVOL

### **Manage Sites and Active Directory Replication**

- Configure Sites and Subnets
- Configure the Global Catalog and Application Partitions
- Configure Replication

### **Directory Service Continuity**

- Monitor Active Directory
- Manage the Active Directory Database
- Back Up and Restore AD DS and Domain Controllers

### **Manage Multiple Domains and Forests**

- Configure Domain and Forest Functional Levels
- Manage Multiple Domains and Trust Relationships



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