

## Managing and Maintaining Windows Server 2008 Active Directory Servers (MS6432)

**Duration: 2 days**

### Description

This course provides students with the knowledge and skills to manage and maintain Windows Server 2008 Active Directory servers. The course focuses on the Active Directory server lifecycle by creating baselines, monitoring the system health, and maintaining security for the Active Directory servers. The course also focuses on managing Active Directory Domain Services (AD DS) and Active Directory service roles.

### Audience

This course is intended for Server Administrators who are familiar with Windows Server 2008 and who are, or will be, responsible for the daily management and maintenance of Windows Server 2008 Active Directory servers. It is also intended for IT professionals who could benefit from acquiring the skills required by a Windows Server 2008 Active Directory Server Administrator, such as a Server Administrator who is responsible for network application servers and works closely with the Active Directory Server Administrator, or an Enterprise Administrator who wants to understand the operational requirements of Windows Server 2008 Active Directory servers before designing a network server infrastructure.

### Prerequisites

In addition to their professional experience, students who attend this training should have technical knowledge equivalent to the following courses:

- 6424A: Fundamentals of Windows Server 2008 Active Directory
- 6425A: Configuring Windows Server 2008 Active Directory Domain Services
- 6426A: Configuring Identity and Access Solutions with Windows Server 2008 Active Directory
- 6430A: Planning and Administering Windows Server 2008 Servers

### Topics

#### MODULE 1: MANAGING AN ACTIVE DIRECTORY SERVER LIFECYCLE

This module explains how to support and maintain Active Directory servers to meet changing business requirements in an enterprise environment.

#### Lessons

- Planning an Active Directory Server Deployment
- Using Active Directory Server Deployment Technologies
- Adding AD DS Server Roles
- Removing AD DS Server Roles
- Evaluating the Need for AD DS Promotion
- Meeting the Need by Adding a Role
- Managing a Change Request for an RODC by Using the Command Line

*Lab: Managing and Maintaining a Windows Server 2008 Domain Controller*

## Managing and Maintaining Windows Server 2008 Active Directory Servers (MS6432)

- Developing a Management and Maintenance Plan
- Evaluating the Management and Maintenance Plan
- Setting Thresholds and Alerts for Short-Term Monitoring
- Choosing the Appropriate Windows Server 2008 Monitoring Tools

### MODULE 2: CREATING BASELINES FOR ACTIVE DIRECTORY SERVERS

This module explains how to create baselines using the WRPM and through analysis, make decisions to improve server performance.

#### Lessons

- Baseline Methodologies for Active Directory Servers
- WRPM Overview
- Using Metrics to Create Baselines for Active Directory Servers

#### Lab: Creating Baselines for Active Directory Servers

- Involving Users in Baseline Development
- Choosing Relevant WRPM Counters and Durations
- Evaluating and Revising a Baseline Document in the Face of Business Changes

### MODULE 3: MONITORING THE SYSTEM HEALTH OF ACTIVE DIRECTORY SERVERS

This module explains how to create and evaluate a monitoring plan based on business needs and environments. It also explains how to determine the health of Active Directory servers using performance monitoring and even log triggers.

#### Lessons

- System Health Overview
- Using Long-Term Monitoring to Identify Trends

#### Lab: Monitoring the Active Directory Server Roles

- Setting a Performance Alert to Meet a Business Goal
- Discussing Alert Response Strategies
- Building a Case for Configuration Change

### MODULE 4: MANAGING ACTIVE DIRECTORY DOMAIN SERVICES

This module explains how to implement the methodology of maintaining Windows Server 2008 AD DS.

#### Lessons

- Restarting and Restoring Active Directory
- Overview of the Flexible Single Master Operations (FSMO) Roles
- Planning Sites and Replication
- Managing RODCs
- Methods of Managing Windows Server Core
- Best Practices for GPOs and Links
- Delegating Active Directory Administration

#### Lab: Managing AD DS

- Offline Defragging of the Active Directory Database
- Evaluating an RODC with Read-Only DNS Solution
- Making Site Replication Decisions
- Group Policy Link Strategies

## Managing and Maintaining Windows Server 2008 Active Directory Servers (MS6432)

### MODULE 5: MAINTAINING SECURITY FOR ACTIVE DIRECTORY SERVERS

This module explains how to deploy proven methods to harden the Active Directory servers.

#### *Lessons*

- Server Hardening Techniques
- Using the MBSA to Discover and Remove Security Holes
- Using Fine-Grained Password Policies to Simplify Network Organization
- Planning Security Auditing
- Enhancing Physical Security

#### *Lab: Maintaining Security for the Active Directory Servers*

- Manually Implementing AD DS Server Hardening
- Assessing Ongoing Security Requirements
- Deploying Fine-Grained Password Policies

### MODULE 6: MANAGING ACTIVE DIRECTORY SERVICE ROLES

This module explains how to add non-AD-DS service roles to a Windows Server 2008 network and manage those roles with supplied tools.

#### *Lessons*

- Using Windows Server 2008 Tools for AD CS
- Implementing AD LDS
- AD FS Overview
- AD RMS Overview

#### *Lab: Managing Active Directory Service Roles*

- Installing the AD LDS Role

- Identifying Ongoing Management Concerns
- Using Windows Server 2008 Tools for Managing AD LDS