



This course syllabus should be used to determine whether the course is appropriate for the student, based on current skills and technical training needs.

Course content, prices, and availability are subject to change without notice.

## Course Syllabus

# Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

Course 2279B • Five days • Instructor-led

This course provides individuals with the knowledge and skills to successfully plan, implement, and troubleshoot a Windows Server 2003 Active Directory directory service infrastructure. This course focuses on a Windows Server 2003 directory service environment, including forest and domain structure, Domain Name System (DNS), site topology and replication, organizational unit structure and delegation of administration, Group Policy, and user, group, and computer account strategies.

This is the sixth course in the Windows Server 2003 Systems Engineer curriculum.

### Audience

This course is intended for individuals who are employed or seeking a position as a systems engineer. This course is also intended for individuals who currently support a competitive platform who want to enhance their job skills using Windows Server 2003 Active Directory.

Professionals who take this course should meet the following criteria:

- New to implementing Windows Server 2003 Active Directory
- Preparing for the MCP exam 70-294: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure, which is a core requirement for the MCSE Certification

### Microsoft Certified Professional Exams

This course will help the student prepare for the following Microsoft Certified Professional exam:

- Exam 70-294: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

Certification Track:

- MCSE

### Prerequisites

Before attending this course, students must have completed Course 2278: Planning and Maintaining a Windows Server 2003 Network Infrastructure, or have equivalent knowledge and skills.

### Module 1: Introduction to Active Directory Infrastructure

Lessons:

- The Architecture of Active Directory
- How Active Directory Works
- Examining Active Directory
- The Active Directory Design, Planning, and Implementation Processes

### Module 2: Implementing an Active Directory Forest and Domain Structure

Lessons:

- Creating a Forest and Domain Structure
- Examining and Configuring Active Directory Integrated DNS
- Raising Forest and Domain Functional Levels
- Creating Trust Relationships

Lab A: Implementing Active Directory

### Module 3: Implementing an Organizational Unit Structure

Lessons:

- Creating and Managing Organizational Units
- Delegating Administrative Control for Organizational Units
- Planning an Organizational Unit Strategy
- Lab A: Implementing an Organizational Unit Structure

## **Module 4: Implementing User, Group, and Computer Accounts**

Lessons:

- Introduction to Accounts
- Creating and Managing Multiple Accounts
- Implementing User Principle Name Suffixes
- Moving Objects in Active Directory
- Planning an Account Strategy
- Planning an Active Directory Audit Strategy

Lab A: Implementing an Account and Audit Strategy

## **Module 5: Implementing Group Policy**

Lessons:

- Creating and Configuring Group Policy objects (GPOs)
- Configuring Group Policy Refresh Rates and Group Policy Settings
- Managing GPOs
- Verifying and Troubleshooting Group Policy
- Delegating Administrative Control of Group Policy
- Planning a Group Policy Strategy for the Enterprise

Lab A: Implementing Group Policy

## **Module 6: Deploying and Managing Software by Using Group Policy**

Lessons:

- Introduction to Managing Software Deployment
- Deploying Software
- Configuring Software Deployment
- Maintaining Deployed Software
- Troubleshooting Software Deployment
- Planning a Software Deployment Strategy

Lab A: Deploying and Managing Software Using Group Policy

## **Module 7: Implementing Sites to Manage Active Directory Replication**

Lessons:

- Introduction to Active Directory Replication
- Creating and Configuring Sites
- Managing Site Topology
- Troubleshooting Replication Failures
- Planning a Site

Lab A: Implementing Sites to Manage Active Directory Replication

## **Module 8: Implementing the Placement of Domain Controllers**

Lessons:

- Implementing the Global Catalog in Active Directory
- Determining the Placement of Domain Controllers in Active Directory
- Planning the Placement Domain Controllers

Lab A: Implementing the Placement of Domain Controllers

## **Module 9: Managing Operations Masters**

Lessons:

- Introduction to Operations Master Roles
- Transferring and Seizing Operations Master Roles
- Planning the Placement of Operations Masters

Lab A: Managing Operations Masters

## **Module 10: Maintaining Active Directory Availability**

Lessons:

- Introduction to Maintaining Active Directory
- Moving and Defragmenting an Active Directory Database
- Backup Up Active Directory
- Restoring Active Directory
- Planning for Monitoring Active Directory

Lab A: Maintaining Active Directory

## **Module 11: Planning and Implementing an Active Directory Infrastructure**

Lessons:

- Creating an Active Directory Implementation Plan for Tailspin Toys
- Implementing the Active Directory Infrastructure for Tailspin Toys

Lab A: Creating the Active Directory Implementation Plan for Tailspin Toys

Lab B: Implementing the Active Directory Infrastructure for Tailspin Toys