

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

- **Course Number:** 2279
- **Length:** 5 Day(s)

Certification Exam

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

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

Course Overview

This five-day course provides students with the knowledge and skills to successfully plan, implement, and troubleshoot a Microsoft Windows Server 2003 Active Directory directory service infrastructure. The 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.

Prerequisites

Before attending this course, students must have completed:

- Course 2278: Planning and Maintaining a Windows Server 2003 Network Infrastructure, or have the equivalent knowledge and skills.

Audience

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

Course Outline

Level 1
Active Directory Structure
1.1 What is Active Directory
1.2 Logical Structure
1.3 Physical Structures
1.4 Server Roles
1.5 Working Active Directory
Lab - Install Active Directory

Installing Active Directory

2.1 Requirements and Process

2.2 Forest Root Domain

2.3 Child Domain

2.4 Domain Tree

2.5 Replica Domain Controllers

2.6 Renaming Domain Controllers

2.7 Removing Domain Controllers

Lab - Delegation

Lab - Creating a Subnet

Lab - Change Operations Master

Lab - Rename a Domain Controller

Level 2

Active Directory DNS Integration

1.1 Locating Active Directory Resources

1.2 SRV Records

1.3 AI Intergrated Zones

Lab - Verify SRV Records

Lab - Install a New Domain

Lab - Raise Forest Functionality Level

Lab - Raise Domain Functionality Level

Lab - Configure a Secondary DNS Zone

Trusts

2.1 Functional Levels

2.2 Trusts Types

2.3 Creating Trusts

2.4 Managing Trusts

Lab - Validate Trusts

Organization Units

3.1 Overview of OU's

3.2 Planning of OU's

3.3 Creating OU's

3.4 OU Delegation

Level 3

Active Directory Accounts

1.1 Groups

1.2 User Account Management

1.3 CSVDE

1.4 LDIFDE

1.5 Windows Script Host

Active Directory Management

2.1 User Principal Name

2.2 Moving Objects

2.3 Moving within Domain

2.4 Moving Between Domains

2.5 Auditing AD Access

Lab - Add UPN Name

Lab - Delegate Control

Planning Account Strategy

3.1 Naming

3.2 Password Policy

3.3 Authentication

3.4 Group Strategy

3.5 Auditing

Lab - Configure Password Policy

Lab - User Account Group Scopes

Lab - Auditing Folder Object Access

Lab - Configuring Object Auditing Policy

Level 4

Group Policy Objects

1.1 Purpose

1.2 Controls

- 1.3 Creating GPO's
 - Lab - Create GPO
 - Lab - Create Software Policies
- Managing GPOs
 - 2.1 Refresh Interval
 - 2.2 Working with GPO's
 - 2.3 Troubleshooting
 - 2.4 Delegation
 - 2.5 Planning
 - Lab - Delegate GPO Management
 - Lab - Move GPO to Another Domain
- Software Management
 - 3.1 Windows Installer
 - 3.2 Deploying Applications
 - 3.3 Specialized Deployment
 - 3.4 Deployment Maintenance
 - Lab - Publish MSI User Software
 - Lab - Assign MSI Machine Software
- Level 5
 - Sites
 - 1.1 Replication
 - 1.2 Creating Sites
 - 1.3 Site Planning
 - 1.4 Troubleshooting
 - Lab - Create a New Site
 - Lab - Create a Replication Partner
 - Server Roles
 - 2.1 Global Catalog Servers
 - 2.2 Domain Controller Placement
 - 2.3 Operations Master Roles
 - Maintenance
 - 3.1 Database
 - 3.2 Backup
 - 3.3 Restore
 - Lab - Backup Active Directory
 - Lab - Restore Active Directory Authoritative
 - Lab - Restore Active Directory Non-Auth