

Course Description: This five-day instructor-led course includes self-paced and instructor-facilitated components. It 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.

Who Should Attend: 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.

Professionals who take this course should be new to implementing Windows Server 2003 Active Directory and be preparing for 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.

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

Benefits of Attendance: Upon completion of this course, students will be able to:

- Describe the logical and physical components of Active Directory
- Create and configure a forest and domain structure by using an Active Directory infrastructure design
- Plan and implement an organizational unit structure
- Plan and implement Active Directory user, group, and computer accounts
- Plan and implement a Group Policy strategy to centrally manage users and computers in an enterprise
- Deploy, manage, and troubleshoot software that is deployed using Group Policy
- Implement sites to manage and monitor Active Directory replication
- Plan and implement the placement of domain controllers, global catalog servers, and DNS servers that are integrated with Active Directory
- Plan and manage operations masters
- Back up, restore, and maintain Active Directory

Course Outline:

Introduction to Active Directory Infrastructure

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

Implementing an Active Directory Forest and Domain Structure

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

Implementing an Organizational Unit Structure

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

Implementing User, Group, and Computer Accounts

Introduction to Accounts
Creating and Managing Multiple Accounts
Implementing User Principal 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

Implementing Group Policy

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

Deploying and Managing Software by Using Group Policy

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

Implementing Sites to Manage Active Directory Replication

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

Implementing the Placement of Domain Controllers

Implementing the Global Catalog in Active Directory
Determining the Placement of Domain Controllers in Active Directory
Planning the Placement of Domain Controllers
Lab A: Implementing the Placement of Domain Controllers

Managing Operations Masters

Introduction to Operations Master Roles
Transferring and Seizing Operations Master Roles
Planning the Placement of Operations Masters
Lab A: Managing Operations Masters

Maintaining Active Directory Availability

Introduction to Maintaining Active Directory
Moving and Defragmenting an Active Directory Database
Backing Up Active Directory
Restoring Active Directory
Planning for Monitoring Active Directory
Lab A: Maintaining Active Directory

Planning and Implementing an Active Directory Infrastructure

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