

## Course Outline

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### 2279- Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure



**Duration:** 5 days (30 hours)

#### Learning Objectives:

- 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.
- Plan and implement an Active Directory infrastructure that is based on a directory service design that an enterprise architect provides.

#### Target 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.

#### Topics Covered:

- 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
- Planning and Optimizing a TCP/IP Physical and Logical Network
  - Planning a Functional TCP/IP Solution
  - Evaluating Network Performance
- 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
- Implementing an Organizational unit structure
  - Creating and Managing Organizational Units
  - Delegating Administrative Control for Organizational Units
  - Planning an Organizational Unit Strategy
- 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
- 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
- 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
- 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
- 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
- Managing Operations Masters
  - Introduction to Operations Master Roles
  - Transferring and Seizing Operations Master Roles
  - Planning the Placement of 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
- Planning and Implementing an Active directory infrastructure
  - Creating an Active Directory Implementation Plan for Tailspin Toys
  - Implementing the Active Directory Infrastructure for Tailspin Toys