

# Course Outline



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

### 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.

Delegates will learn how to:

- Describe the logical and physical components of Active Directory and explain the purpose of Active Directory
- Describe the Domain Name System (DNS) requirements for Active Directory and explain how DNS supports Active Directory
- Design, create, and configure a forest and domain structure based on a given Active Directory infrastructure
- Plan and implement an organisational unit structure
- Plan and implement Active Directory user, group, and computer account strategies
- Plan and implement a Group Policy strategy to centrally manage users, computers, and services in the enterprise
- Deploy, manage, and troubleshoot software that is deployed using Group Policy
- Plan and implement sites to manage and monitor Active Directory replication
- Plan and implement the placement of domain controllers, global catalog servers, and Active Directory integrated DNS servers
- Plan and manage operations masters
- Backup, restore, and maintain Active Directory.

This course covers the subject areas covered in Microsoft Course MS2279.

### Pre-requisites:

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

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Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

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## Course Content:

- **Introduction to Active Directory Infrastructure**
  - The Architecture of Active Directory
  - How Active Directory Works
  - Examine Active Directory
  - The Active Directory Design, Planning, and Implementation Processes
- **Implementing an Active Directory Forest and Domain Structure**
  - Create a Forest and Domain Structure
  - Examine Active Directory Integrated DNS
  - Raise Forest and Domain Functional Levels
  - Create Trust Relationships
- **Implementing an Organizational Unit Structure**
  - Create and Manage Organizational Units
  - Delegate Administrative Control of Organizational Units
  - Plan an Organizational Unit Strategy
- **Implementing User, Group, and Computer Accounts**
  - Introduction to Accounts
  - Create and Manage Multiple Accounts
  - Implement User Principal Name Suffixes
  - Move Objects in Active Directory
  - Plan an Account Strategy
  - Plan an Active Directory Audit Strategy
- **Implementing Group Policy**
  - Create and Configure GPOs
  - Configure Group Policy Refresh Rates and Group Policy Settings
  - Manage GPOs
  - Verify and Troubleshoot Group Policy
  - Delegate Administrative Control of Group Policy
  - Plan a Group Policy Strategy for the Enterprise

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- **Deploying and Managing Software by Using Group Policy**
  - Introduction to Managing Software Deployment
  - Deploy Software
  - Configure Software Deployment
  - Maintain Deployed Software
  - Troubleshoot Software Deployment
  - Plan a Software Deployment Strategy
- **Implementing Sites to Manage Active Directory Replication**
  - Introduction to Active Directory Replication
  - Create and Configure Sites
  - Manage Site Topology
  - Troubleshoot Replication Failures
  - Plan a Site
- **Implementing the Placement of Domain Controllers**
  - Implement the Global Catalog in Active Directory
  - Determine the Placement of Domain Controllers in Active Directory
  - Plan the Placement of Domain Controllers
- **Managing Operations Masters**
  - Introduction to Operations Master Roles
  - Transfer and Seize Operations Master Roles
  - Plan the Placement of Operations Masters
- **Maintaining Active Directory**
  - Introduction to Maintaining Active Directory
  - Move and Defragment the Active Directory Database
  - Back Up Active Directory
  - Restore Active Directory
  - Plan for Monitoring Active Directory

**Course Duration:**

**5 Days**

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