
Designing a Microsoft Windows 2000 Directory Services Infrastructure

Duration: 3 Days **Course Code: M1561**

Overview:

This three-day instructor led, hands-on course is designed to provide students with the knowledge and skills necessary to design a Microsoft Windows 2000 directory services infrastructure in an enterprise network. Strategies are presented to assist the student in identifying the information technology needs of an organization, and then designing an Active Directory structure that meets those needs.

Target Audience:

This course is intended for support professionals designing a Windows 2000 directory services infrastructure.

Objectives:

- Describe guidelines for gathering business and administrative information from an organization, and explain how an architect uses that information to design an Active Directory structure for an enterprise
 - Design an Active Directory naming strategy that accommodates the organization structure of a business
 - Develop a plan to help protect and delegate administrative authority over Active Directory objects based on the administrative model of an organization Identify business needs and scenarios that may require modification of the Active Directory schema, and plan a policy to govern schema modification
 - Create an Active Directory design based on administrative Group Policy requirements defined by business needs
 - Design an Active Directory domain and the organizational unit hierarchy within the domain
 - Identify situations where a multiple-domain Active Directory structure may be necessary to meet the administrative and security needs of and organization, and then design a structure that meets those needs
 - Design a site topology for managing Active Directory replication that fulfils the administrative needs of an organization, and that optimises the available bandwidth of the physical network Plan for the design of an Active Directory structure that combines administrative, replication and naming requirements of an organization.
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Prerequisites:

Delegates are required to meet the following prerequisites:

- M1560, Updating Support Skills from Microsoft Windows NT 4.0 to Microsoft Windows 2000 or equivalent knowledge and skills
- M2154, Implementing and Administering Microsoft Windows 2000 Directory Services or equivalent knowledge and skills

Testing and Certification:

Recommended as preparation for exam(s):

- 70-219, Designing a Microsoft Windows 2000 Directory Services Infrastructure
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Follow-on-Courses:

The following courses are recommended for further study:

- M1562 – Designing a Microsoft Windows 2000 Networking Infrastructure
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Content:

Introduction to Designing a Directory Services Infrastructure

- Role of Active Directory in an Enterprise Network
- Conducting an Organizational Analysis
- Architectural Elements of Active Directory
 - Designing an Active Directory Naming Strategy
- Identifying Business Needs
- DNS and Active Directory
- Planning Active Directory Domain Names
- Designing a DNS Naming Strategy for Active Directory
 - Designing Active Directory to Delegate Administrative Authority
- Identifying Business Needs
- Characterizing the IT Organization
- Developing a Strategy for Administrative Design
 - Developing a Strategy for Delegation
 - Designing a Schema Policy
- Identifying Business Needs
- Schema Fundamentals
 - Implications of Modifying the Schema
 - Planning for Schema Modification
 - Designing Active Directory to Support Group Policy
- Identifying Business Needs
- Applying Group Policy in Active Directory
 - Planning for Group Policy
 - Designing an Active Directory Domain
- Identifying Business Needs
- Designing the Initial Active Directory Domain
 - Planning for Security Groups
 - Planning for OUs
 - Designing a Multiple Domain Structure
- Identifying Business Needs
- Accessing Resources Between Domains
 - Planning for Multiple-Domain Trees
 - Planning for Multiple-Tree Forests
 - Planning for Multiple Forests
 - Designing an Active Directory Site Topology
- Using Sites in Active Directory
 - Assessing the Need for Active Directory Sites
 - Using Site Links in a Network
 - Planning the Inter-Site Replication Topology
 - Planning for Server Placement in Sites
- Designing an Active Directory Infrastructure
 - Conducting an Organizational Analysis
 - Designing an Active Directory Structure
 - Creating a Functional Specification

Further Information:

For More information, or to book your course, please call us on +20 2 2290 2163/2148

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