

## **Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure**

- **Course Number:** 2282
- **Length:** 5 Day(s)

### **Certification Exam**

This course will help the student prepare for the following Microsoft Certification exams:

- **Exam 70-297:** Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure

### **Course Overview**

This five-day course provides students with the knowledge and skills to design a Microsoft Active Directory directory service and network infrastructure for a Microsoft Windows Server 2003 environment. The course is intended for systems engineers who are responsible for designing directory service and/or network infrastructures.

### **Prerequisites**

- Course 2278: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure; and
- Course 2279: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

Or: equivalent knowledge and experience.

### **Audience**

This course is intended for individuals who are employed as or seeking employment as a systems engineer in a Windows Server 2003-based environment.

### **Course Outline**

Level 1  
Active Directory Infrastructure  
1.1 Design Principals  
1.2 Active Directory  
1.3 Designing Active Directory  
1.4 Network Infrastructure  
1.5 Designing Network Infrastructure  
Designing a Domain Structure  
2.1 Gathering Data  
2.2 Conceptual Forest Design  
2.3 Conceptual Domain Design  
2.4 Designing DNS  
2.5 Trusts

- 2.6 Migrating
- 2.7 Schema Management
- Designing Site Infrastructure
  - 3.1 Gathering Site Data
  - 3.2 Gathering the Site Design
  - 3.3 Site Design and Replication
  - 3.4 Placing Domain Controllers
  - 3.5 Global Catalog Placement
  - 3.6 Operations Master
- Level 2
  - Designing Admin Structure
    - 1.1 Gathering Information
    - 1.2 Administrative Model
    - 1.3 Organizational Unit Structure
    - 1.4 Account Strategies
  - Group Policy Design
    - 2.1 Gathering Information
    - 2.2 Designing a Group Policy Structure
    - 2.3 OU's and Group Policy
    - 2.4 Managing Group Policy
- Physical Network Design
  - 3.1 Gathering Information
  - 3.2 Connection Types
  - 3.3 Connectivity Infrastructure
  - 3.4 Change Management
- Level 3
  - Designing Network Connectivity
    - 1.1 Gathering Information
    - 1.2 IP Addressing Design
    - 1.3 Intranet Design
    - 1.4 Extranet Design
    - 1.5 DHCP Infrastructure
  - Designing a Name Resolution
    - 2.1 Gathering Information
    - 2.2 DNS Strategy
    - 2.3 Wins Replication
    - 2.4 Name Resolution for Clients
- Network Access Infrastructure
  - 3.1 Gathering Information
  - 3.2 Network Access Security
  - 3.3 Remote Access Methods
  - 3.4 Remote Access Infrastructure
  - 3.5 Wireless Access Infrastructure