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