2278 Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

Overview:

This course will provide students with the knowledge and skills necessary to plan and maintain a Windows Server 2003 network infrastructure.

Outline:

Module 1: Introducing Windows Server 2003 Network Infrastructure Planning, Tools, and Documentation
Planning a Windows Server 2003 Network
Preparing Development and Test Environment
Changing the Environment
Introducing the Network Design Document

Module 2: Planning and Optimizing a TCP/IP Physical and Logical Network
Reviewing TCP/IP
Planning a Functional TCP/IP Solution
Optimizing Network Performance

Module 3: Planning and Troubleshooting Routing
Reviewing Routing
Selecting Intermediate Devices
Planning an Internet Connectivity Strategy
Planning Routing Communications
Troubleshooting TCP/IP Routing

Module 4: Planning a DHCP Strategy
How DHCP Operates in an Enterprise Environment
Planning a DHCP Strategy
Securing a DHCP Strategy

Module 5: Optimizing and Troubleshooting DHCP
Determining the Need to Optimize DHCP Performance
Optimizing DHCP
Troubleshooting DHCP

Module 6: Planning a DNS Strategy
Planning a Namespace
Planning Zones
Planning Zone Replication and Delegation
Planning a DNS Server

Module 7: Optimizing and Troubleshooting DNS
Optimizing the DNS Server
Troubleshooting Host Name Resolution
Module 8: Planning and Optimizing WINS
Reviewing WINS
Planning a WINS Solution
Identifying WINS Optimization Requirements
Optimizing WINS Traffic

Module 9: Planning and Troubleshooting IPSec
Reviewing IPSec
Understanding the Default Policy Rules
Planning an IPSec Deployment
Troubleshooting IPSec Communications

Module 10: Planning Network Access
Reviewing Network Access
Selecting Network Access Connection Methods
Selecting a Remote Access Policy Strategy
Selecting a Network Access Authentication Method
Selecting a Network Access Strategy

Module 11: Troubleshooting Network Access
Network Access Troubleshooting Resources
Troubleshooting LAN Authentication
Troubleshooting Remote Access