
Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

Duration: 5 Days **Course Code: M2278**

Overview:

The goal of this five-day course is to provide delegates with the knowledge and skills necessary to plan and maintain a Windows Server 2003 network infrastructure.

Target Audience:

This course is appropriate for individuals employed as or seeking a position as a systems engineer. This course is also appropriate for individuals currently supporting a competitive platform who want to enhance their job skills on Microsoft Windows Server 2003 networking.

Objectives:

- Plan a TCP/IP physical and logical network.
 - Plan and troubleshoot a routing strategy.
 - Plan a Dynamic Host Configuration Protocol (DHCP) strategy.
 - Optimise and troubleshoot DHCP.
 - Plan a Domain Name System (DNS) strategy.
 - Optimise and troubleshoot DNS.
 - Plan and optimise Windows Internet Naming Service (WINS).
 - Plan, optimise, and troubleshoot IPsec network access.
 - Troubleshoot network access.
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Prerequisites:

Delegates are required to meet the following prerequisites:

- M2277: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services, or have equivalent knowledge and skills.
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Content:

- Introducing Windows Server 2003 Network Infrastructure Planning, Tools, and Documentation
- Introducing the Network Design
- Planning a Windows Server 2003 Network Infrastructure Project
- Planning and Optimizing a TCP/IP Physical and Logical Network
- Planning a Functional TCP/IP Solution
- Evaluating Network Performance
- Planning and Troubleshooting Routing and Switching
- Selecting Intermediate Devices
- Planning an Internet Connectivity Strategy
- Planning Routing Communications Troubleshooting TCP/IP Routing Planning, Optimizing, and Troubleshooting DHCP
- Planning a DHCP Strategy
- Securing a DHCP Solution
- Optimizing DHCP
- Troubleshooting DHCP
- Planning a DNS Strategy
- Planning DNS Servers
- Planning a Namespace
- Planning Zones
- Planning Zone Replication and Delegation
- Integrating DNS and WINS
- Optimizing and Troubleshooting DNS
- Optimizing DNS Servers
- Troubleshooting Host Name Resolution
- Planning and Optimizing WINS
- Planning a WINS Solution
- Identifying WINS Optimization Requirements
- Optimizing WINS Traffic Planning and Troubleshooting IPsec
- Understanding Default Policy Rules
- Planning an IPsec Deployment
- Troubleshooting IPsec Communications
- Planning Network Access
- Introducing Network Access
- Selecting Network Access Connection Methods
- Selecting a Remote Access Policy Strategy
- Selecting a Network Access Authentication Method
- Planning a Network Access Strategy
- Troubleshooting Network Access
- Troubleshooting Network Access Resources
- Troubleshooting LAN Authentication
- Troubleshooting Remote Access
- Planning a Windows Server 2003 Network Infrastructure
- Introducing Planning Documentation
- Preparing Development and Test Environments
- Managing and Maintaining the Environment

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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