

 Global Knowledge	<h1 style="margin: 0;">Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure</h1>	<b>M2278</b>  <b>5 day</b>
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**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.

**At the end of the course, delegates will be able to:**

- 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.

**Course 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

**Course 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.

**Testing and Certification :**

Recommended as preparation for exam(s):

- Exam 70-293: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

**Follow on Courses :**

The following courses are recommended for further study:

- M2279, Plan, Implement & Maintain a MS Win Server 2003 Active Directory Infrastructure

**Further Information :**

M2278/

For more information, or to book your course, please call Global Knowledge Danmark  
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