

MCP – 70-293 COURSE



The **Microsoft Certified Professional 70-293 (Planning and Maintaining a Windows Server 2003 Network Infrastructure) Course** is designed to provide the skills and knowledge necessary to implement, administer, manage, and maintain a Microsoft Windows Server 2003 network infrastructure.

The course includes lessons on Windows Server 2003 Network Planning, TCP/IP Architecture, Plan Network Data Flow, Plan and Configure Routing and Switching, Plan, Configure and Troubleshoot DHCP, Plan, Configure and Troubleshoot WINS, Plan a DNS Strategy, Manage and Troubleshoot DNS, Plan and Manage Certificate Services, Plan and Manage IPSec, Plan Network Access, Plan and implement server availability and scalability and Plan server and network security.

Our unique distance learning training programme is delivered in Paper based and CD Rom materials. The course also has access to Official CertBlaster and MeasureUp exam preparation software.

PLEASE NOTE: The MCP 70-293 Course is designed as a theory-based course but does contain all relevant information on how to complete practical exercises if you have the available equipment, software & resources available.

Benefits of MCP Certification:

- Industry recognition of your knowledge with Microsoft products and technologies;
- Access to technical and product information, through the MCP Secured site;
- Invitations to Microsoft conferences, technical training sessions, and special events.; and
- An MCP logo, certificate, transcript, wallet card, and lapel pin to identify you as an Microsoft Certified Professional (MCP) to colleagues or clients.

Course Objectives:

- Install Windows Server 2003 and describe what platforms support upgrades to Windows Server 2003, describe the components in the Windows Server 2003 networking architecture, list the networking services available in Windows Server 2003, describe the different editions of Windows Server 2003, and plan a Windows Server 2003 network infrastructure project.
- Describe TCP/IP addressing, describe the overall architecture of TCP/IP, describe Application layer protocols, describe Transport layer protocols, describe the role of various Internet layer protocols including IP, ICMP, and ARP, and describe Network Interface layer protocols.
- Describe the three types of network traffic, describe unique characteristics of Ethernet, use physical components of a network to control data flow, monitor network performance, optimize network settings, and use network troubleshooting utilities.
- Build IP networks, configure Windows 2000 as a router, create and configure demand-dial connections, describe the purpose of virtual LANs, implement Network Address Translation, work with Internet Connection Sharing, configure Internet Connection Firewall, and plan Internet connectivity.

Price:
£200.00

Instalment Options:
You can spread the payments for this course over 4 monthly payments. 1 initial payment of £80.00, followed by 3 monthly payments of £40.00.

Course Format:
Course Books with CD ROMs & Online Practice Exams

Assessment:
Microsoft's 70-293 Examination

Approximate Study Time:
100 Hours of Self Study

The MCP 70-293 Certification course consists of the following items:

➤ **MCP 70-293 Certification Course Book**

The following Units are covered in the MCP 70-293 Course Book:

- **Unit 1 – Windows Server 2003 Network Planning**

The following topics are covered in this Unit: Install or upgrade to Windows Server 2003, The Windows Server 2003 network architecture, Network services, Selecting a Windows Server 2003 edition and Plan a Windows Server 2003 network infrastructure.

- **Unit 2 – TCP/IP Architecture**

The following topics are covered in this Unit: TCP/IP architecture overview, Application layer protocols, Transport layer protocols, Internet layer protocols and Network Interface layer protocols.

- **Unit 3 – Plan Network Data Flow**

The following topics are covered in this Unit: Types of network traffic, Ethernet, Physical components, Optimizing network performance and settings and Troubleshooting utilities.

- **Unit 4 – Plan and Configure Routing and Switching**

The following topics are covered in this Unit: Building a subnetted IP network, Router installation and configuration, Demand-dial connections and VLANs, Network Address Translation (NAT) and Internet Connection Services (ICS).

- **Unit 5 – Plan, Configure, and Troubleshoot DHCP**

The following topics are covered in this Unit: DHCP overview, DHCP installation and authorization, DHCP configuration and Manage, monitor, and troubleshoot DHCP.

- **Unit 6 – Plan, Configure, and Troubleshoot WINS**

The following topics are covered in this Unit: NetBIOS name resolution, WINS installation and configuration, WINS management and NETBIOS security.

- **Unit 7 – Plan a DNS Strategy**

The following topics are covered in this Unit: DNS functions, DNS namespace strategies, DNS installation, DNS zones and DNS integration with Active Directory and WINS.

- **Unit 8 – Manage and Troubleshoot DNS**

The following topics are covered in this Unit: Optimizing DNS performance, DNS security, DNS server management, Zone management and Troubleshooting DNS.

- **Unit 9 – Plan and Manage Certificate Services**

The following topics are covered in this Unit: Cryptography, Certificate Services components, Install and manage Certificate Services, Certificate management and Smart card authentication.

- **Unit 10 – Plan and Manage IPSec**

The following topics are covered in this Unit: IPSec, Enabling IPSec and assigning policies, Custom IPSec policies and Troubleshooting IPSec.

- **Unit 11 – Plan Network Access**

The following topics are covered in this Unit: Introducing remote access methods, Remote access server configuration, Plan client access, Remote access policies, RADIUS and Troubleshooting remote access.

- **Unit 12 – Plan Server and Network Security**

The following topics are covered in this Unit: Types of security, Plan server role security, Plan network protocol and wireless network security, Default security settings, Plan a secure baseline and Software updates and administrative access security.

- **Unit 13 – Plan and Implement Server Availability and Scalability**

The following topics are covered in this Unit: Availability and scalability in Windows Server 2003, Install and configure server clusters, Server cluster concepts and Network Load Balancing.

- **Unit 14 – Problem Recovery**

The following topics are covered in this Unit: File backup and recovery, Recovery tools, Remote management and Imaging client computers and servers.

- **MCP 70-293 Skill Builder CBT CD Rom Course**

An interactive CBT CD Rom Based course covering the full MCP 70-293 syllabus is included as an alternative to the paper-based materials.

- **MCP 70-293 Online CertBlaster Software**

The course comes with DTI Publishing's Online CertBlaster exam preparation software absolutely free. CertBlaster covers mock examination questions in multiple choice or multiple answer formats. This software is the perfect addition to help prepare for your exam.

- **MCP 70-293 CD Rom MeasureUp Software**

The MeasureUp Practice Tests prepare you to pass the certification exam and the exams of daily life on the job. Practice tests are written by industry experts in the subject matter. They work closely with certification providers to understand the exam objectives, participate in beta testing and take the exam themselves before creating new practice tests. MeasureUp's quality content and innovative technology have earned the prestigious credential of Microsoft Certified Practice Test Provider.

Pre-Requirements:

It is recommended that you have some experience in implementing and administering large networks. You should be familiar with the use and working of Personal Computers and should ideally be certified to any of the following qualification levels:

- CompTIA A+ and Network+
- MCP Exam 70-270

Course Duration & Support:

Students may register at any time. The courses are designed as self-study courses but if you have any problems you can email our email support. As the course is self study you can complete in as little or as long a time as you prefer, and we do not impose a cut-off date for study.

Assessment:

Assessment is from the Microsoft 70-293 Examination. Examinations are in a multiple choice/multiple answer format.

Qualification:

On Completion of the MCP 70-293 Certification Courses, you can apply for the Microsoft **70-293 Examination**.

Examinations must be sat at a registered Prometric testing centre and are currently £99.00 + VAT each.

You can locate testing centres and schedule appointments on their Website:

Prometric website – <http://www.prometric.com/>

