

MCP – 70-297 COURSE



The **Microsoft Certified Professional 70-297 (Designing a Windows Server 2003 Active Directory and Network Infrastructure) Course**

is designed to provide students with the knowledge and skills to design a Microsoft Active Directory service and network infrastructure for a Windows Server 2003 environment. It is intended for systems engineers and network designers. The course will prepare students for the MCSE 70-297 certification exam.

The course includes lessons on Assessment stage I, Assessment stage II, Designing the Active Directory Infrastructure, Designing for network services, Designing the logical components, Name resolution, Remote access and address management, Service sizing and placement and The physical design.

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

PLEASE NOTE: The MCP 70-297 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.

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 70-297 Examination

Approximate Study Time:
100 Hours of Self Study

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:

- Analyse the impact of Active Directory on the existing technical environment and the current administrative structure.
- Analyse the impact of the Active Directory design on interoperability and network requirements.
- Design the Active Directory infrastructure to meet the business and technical needs of an organisation.
- Design the network services infrastructure (DNS, WINS, DHCP and Remote Access) to meet the business and technical needs of an organisation.
- Create a logical design that includes forest and domain infrastructures, authentication mechanisms, OU and Group Policy strategies, and a replication topology.
- Design a name resolution strategy that supports Active Directory, including a DNS strategy, delegation and security, and a WINS strategy.

- Design a network access strategy that includes remote access methods and policies, security for Remote Access users, authentication methods, and logging and auditing settings.
- Design an Active Directory implementation plan that includes a project plan, factors that will effect the size of the database, as well as placement of domain controllers, global catalog servers, DNS service, and flexible operations master roles (FSMO).
- Design physical network structure that supports Active Directory, such as the networking and routing topologies, a TCP/IP addressing scheme, router placement and the remote access infrastructure.

The MCP 70-297 Certification course consists of the following items:

➤ **MCP 70-297 Certification Course Book**

The following Units are covered in the MCP 70-297 Course Book:

- **Unit 1 – Assignment Stage I**

The following topics are covered in this Unit: Assessing the technical environment, Service levels, and Hardware and software deployments.

- **Unit 2 – Assignment Stage II**

The following topics are covered in this Unit: The current server infrastructure, Assessing DNS, Assessing the physical network and Assessing the impact of proposed designs.

- **Unit 3 – Designing the Active Directory infrastructure**

The following topics are covered in this Unit: Designing the administrative model, Designing the forest, Designing the domain, Developing the OU model and Developing the replication design.

- **Unit 4 – Designing for Network Services**

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 – Designing the Logical Components**

The following topics are covered in this Unit: Defining standards, Defining the forest structure, hierarchy, and naming strategy, Defining authentication mechanisms, Designing the OU model, Defining the Group Policy object approach and Defining replication topology.

- **Unit 6 – Name Resolution**

The following topics are covered in this Unit: DNS design, Delegation and security and WINS design.

- **Unit 7 – Remote Access and Address Management**

The following topics are covered in this Unit: Remote access service servers and IP address management and DHCP.

- **Unit 8 – Service Sizing and Placement**

The following topics are covered in this Unit: Planning phase I: Requirements, Planning phase II: Implementation plan, Sizing and availability and Flexible single master operations roles.

- **Unit 9 – The Physical Design**

The following topics are covered in this Unit: Networking and routing, Designing remote access infrastructures and Determining remote access sizing and availability.

➤ MCP 70-297 Certification Course Card

Access the most important information you need quickly and easily with this new four-color, tri-fold, six-sided Course Card! Vital information for both basic and advanced skills offers something for students of all levels.

➤ MCP 70-297 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

To use the course materials in a practical nature you would be required to have multiple PCs each installed with Microsoft Server 2003 Enterprise Edition and the latest Windows Server 2003 service pack.

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 70-297 Examination. Examinations are in a multiple choice/multiple answer format.

Qualification:

On Completion of the MCP 70-297 Certification Courses, you can apply for the Microsoft **70-297 Examination**.

Examinations must be sat at a registered Prometric testing centre and are currently £88.00 + VAT each.

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

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

