

Course ID

**MS-
NETINFRA**

Course Duration

4 days

Course Title

Microsoft Windows Server 2003: Maintaining and Managing the Networking Infrastructure

Related Courses

- Microsoft Windows Server 2003: Maintenance and Management (MSWINSERVE, 2 days)

Aimed At

I/T professionals who're seeking employment as network administrators or those already in network administration who wish to upgrade their job skills.

Group Size

5-15

Prerequisites

- General familiarity with networking and operating systems
- Six months of practical work experience

Course in a Nutshell

Are you a network administrator looking to upgrade your job skills or to prepare yourself for certification? Or are you an information technology professional aiming for employment as a network administrator? Either way, this course can provide the help you need.

This course provides in-depth coverage of all major networking services including DHCP servers, name resolution, WINS and DNS, routing and remote access, and security. You will also learn about the interactions among the various tasks in the server 2003 networking infrastructure. In short, this course will give you the knowledge and skills necessary to manage the Server 2003 environment for optimum performance.

Customize It!

Tailor this course to your specific background and job requirements at little-to-no additional cost. We'll customize the topics included in the course, the emphasis received by each topic, the pace of coverage, and the selection of hands-on exercises to suit your particular needs. If you have an interest in a particular area, let us know, so we can be sure to address it.

Learn How To

- Configure a DHCP server and IP address allocation
- Understand and configure name resolution
- Configure WINS and DNS
- Manage levels of access to networking resources
- Configure and manage security, routing, and certificate services

Course Outline

- Role of DHCP Servers
 - What does a DHCP server do?
 - Authorizing a DHCP server in active directory
 - How hosts get IP addresses
 - Configuring DHCP servers
 - Monitoring DHCP traffic

- What Is Name Resolution?
 - Clients have names and IP addresses
 - A tutorial on IP addresses
 - Finding host names
 - Static and dynamic name resolution
- Types of Name Resolution
 - NetBIOS names
 - Fully Qualified Domain Names (FQDN)
 - Objects in active directory
 - Names of objects in multi-domain environments
- WINS and DNS
 - Installing and configuring WINS
 - Managing WINS records, database, and replication
 - What does DNS do?
 - Installing and configuring DNS
 - Integration of DNS and active directory
 - Configuring DNS zones
- Configuring Routing and Remote Access
 - What is routing?
 - Configuring routing and remote access
 - Testing routing policies
- Securing Network Traffic and Resources
 - Network access planning and structure
 - Controlling user access to resources
 - Configuring dial-up
 - Centralizing security by IAS
 - Implementing IPSEC and certificates
 - Configuring VPN

How You Will Learn

- An experienced I/T professionals will teach this class in workshop (interactive lecture/lab) format.
- Hands-on exercises will help you understand each topic and make a bridge from theory to application.
- The instructor will offer real-life examples, applications, and case studies to enrich the class and drive home the essential point.
- You'll learn dos and don'ts, both the tricks of the trade as well as the hidden pitfalls.
- The participant handbooks will provide you with a structure to which you can add the information and insight provided in real-time, turning it into a valuable reference resource you can take back to your job.

Revised

Oct. 25, 2005