Course Outline

ADVANCEDTRAINING

Other Information	
MS2151	
Days	3
Starting Time	9:00
Finish Time	4:30
Lunch & refreshments are included with this course.	

Microsoft GOLD CERTIFIED Partner | Learning Solutions

NATIONALLY RECOGNISED TRAINING

Microsoft Windows 2000 Network and Operating System Essentials

Introduction

This course is to provide individuals who are new to Microsoft Windows 2000 with the knowledge necessary to understand and identify the tasks involved in supporting Windows 2000 networks. This is an introductory course designed to provide an overview of networking concepts and how they are implemented in Windows 2000.

MCP Exam

This course will help the student prepare for the following Microsoft Certified Professional exam—

- Exam 70-210, Installing, Configuring, and Administering Microsoft Windows 2000 Professional
- Exam 70-215, Installing, Configuring, and Administering Microsoft Windows 2000 Server

Pre-Requisites

- Proficiency using the Windows interface to locate, create, and manipulate folders and files and to configure the desktop environment
- General knowledge of computer hardware components, including memory, hard disks, and central processing units
- General knowledge of networking concepts, including network operating system, server-client relationship, and local area network (LAN)

Course Outline

Day 1

Ø Module 1—Introduction to Windows 2000 and Networking

- Windows 2000 Operating Systems
- Introduction to Networks. Windows 2000 Implementation of Networking

Labs

- Identifying Computer Networks
- Identifying the Features of Windows 2000 Network
- Logging On to Windows 2000

Ø Module 2—Administration of a Windows 2000 Network

- Windows 2000 Help
- Administrative Tasks
- Administrative Tools

Labs

- Using Windows 2000 Help
- Identifying Administrative Tools

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Course Outline (Continued)

Ø Module 3—Securing a Windows 2000 Network

- User Accounts
- Groups
- User Rights
- Permissions

Labs

- Examining Users and Groups
- Examining User Rights
- Examining File and Folder Permissions

Day 2

Ø Module 4—Examining the Network

- Scope of Networks
- Basic Connectivity Components
- Network Topologies
- Network Technologies
- Expanding the Network

Lab

- Examining the Network Architecture

Ø Module 5—Examining Network Protocols

- Introduction to Protocols
- Protocols and Data Transmissions
- Common Protocols
- Other Communication Protocols
- Remote Access Protocols

Labs

- Identifying Protocol Capabilities

Ø Module 6—Examining TCP/IP

- Introduction to TCP/IP
- TCP/IP Protocol Suite
- Name Resolution
- Examining the Data Transfer Process
- Routing Data

Labs

- Using TCP/IP Utilities
- Identifying Processes and Protocols in TCP/IP

Course Outline (Continued)

Day 3

Ø Module 7—Examining IP Addressing

- Classful IP Addressing
- Subnetting a Network
- Planning IP Addressing
- Assigning TCP/IP Addresses

Labs

- Determining Class Addresses and Subnet Masks
- Identifying Valid IP Addresses
- Examining the Configuration of TCP/IP

Ø Module 8—Optimizing IP Address Allocation

- Classless Inter-Domain Routing (CIDR)
- Binary IP Addresses
- Binary Subnet Masks
- IP Address Allocation Using CIDR

Labs

- Using Calculator to Convert Decimal and Binary Numbers
- Determining Local and Remote Destinations
- Allocating IP Addresses

Ø Module 9—Examining Web Services

- Identifying Internet Concepts
- Using Client Technologies
- Connecting to the Internet
- Identifying Web Server Concepts

Labs

- Accessing an FTP Site by Using Internet Explorer
- Identifying Web Concepts