



M8uk Ltd.

Implementing and Supporting Microsoft Windows XP Professional for Network Administrators

Course Format: Instructor-led Classroom Training **Duration:** 5 Days

Overview

The purpose of this course is to address the implementation and desktop support needs of customers that are planning to deploy and support Microsoft® Windows® XP Professional in a variety of stand-alone and network operating system environments.

Prerequisites:

- Working experience of at least 1 year administering Microsoft Operating Systems (9.x/2000)
- Understanding of PC hardware and the x86 Platform
- Understanding of basic network structures.
- Network Fundamentals including Name Resolution Methods, Network Devices & OSI model.
- TCP/IP Fundamentals and Subnetting.
- Troubleshoot connectivity using TCP/IP Utilities.

Outline:

Lesson 1: Installing Microsoft Windows XP Professional

Planning an Installation of Microsoft Windows XP Professional
Installing Windows XP Professional from a Product CD
Installing Windows XP Professional from a Server
Upgrading to Microsoft Windows XP Professional.
Transferring User Settings by Using the USMT
Performing Post-Installation Tasks
Troubleshooting Failed Installations

Lesson 2: Automating an Installation of Microsoft Windows XP Professional

Introduction to Automating an Installation of Windows XP Professional
Creating Answer Files
Creating a Uniqueness Database File
Performing an Automated Installation of Windows XP Professional
Introduction to Creating and Deploying an Image
Preparing a Reference Computer
Creating, Testing, and Deploying an Image Configuring Plug and Play Devices

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Lesson 3: Configuring Hardware on a Computer Running Microsoft Windows XP Professional

Installing and Configuring Hardware Devices
Working with Drivers
Troubleshooting Hardware Devices

Lesson 4: Troubleshooting the Boot Process and Other System Issues

Examining the Windows XP Professional Boot Process
Controlling System Settings During the Boot Process
Changing Start up Behaviour Using the Boot.ini File
Using Advanced Boot Options to Troubleshoot Start up Problems
Using the Recovery Console to Start the Computer
Restoring a Computer to a Previous State

Lesson 5: Configuring Windows XP Professional to Operate in MS Windows Networks

Examining Workgroups and User Accounts
Creating and Authenticating Local User Accounts
Configuring Local Security
Configuring Logon Options in a Workgroup
Configuring Networking Options in a Workgroup
Joining a Domain
Operating in a Domain

Lesson 6: Configuring the Desktop Environment

Configuring User Desktop Settings
Customizing the Desktop Environment
Configuring System Settings
Understanding How Profiles and Group Policy Affect Desktop Customization
Using Remote Assistance

Lesson 7: Configuring and Supporting TCP/IP

Introduction to TCP/IP
Examining Classful IP Addressing
Defining Subnets
Using Classless Inter-Domain Routing
Configuring IP Addresses
Troubleshooting IP Addresses

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Lesson 8: Configuring Names Resolution

Determining TCP/IP Name Resolution Methods
Configuring DNS Client Name Resolution and DNS Dynamic Updates
Configuring Name Resolution on WINS Clients
Working with LMHOSTS

Lesson 9: Configuring Windows XP for Novell NetWare and UNIX Operating Systems Networks

Installing and Configuring Client Service for NetWare
Interoperating with UNIX
Configuring UNIX Interoperability
Installing Windows XP Professional Client Features to Operate with UNIX Servers

Lesson 10: Supporting Remote Users

Establishing Remote Access Connections
Connecting to Virtual Private Networks
Configuring Inbound Connections
Configuring Authentication Protocols and Encryption
Examining the Remote Desktop Feature
Configuring Computers to Use Remote Desktop
Storing User Names and Passwords to Facilitate Remote Connections

Lesson 11: Configuring Microsoft Windows XP for Mobile Computing

Configuring Hardware for Mobile Computing
Configuring Power Management Options for Mobile Computing
Making Files, Folders, and Web Pages Available for Offline Use

Lesson 12: Managing Disks

Working with Basic Disks
Working with Dynamic Disks
Managing Drive Letters and Paths
Preparing Disks When Upgrading to Windows XP Professional
Managing Disks
Decrementing Volumes

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Lesson 13: Configuring and Managing File Systems

Working with File Systems
Managing Data Compression
Securing Data by Using EFS

Lesson 14: Monitoring Resources and Performance

Determining System Information
Using Task Manager to Monitor System Performance
Using Performance and Maintenance Tools to Improve Performance
Monitoring Event Logs

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