

Supporting Windows NT 4.0 Core Technologies

A Five Day Training Course

Part One

Course Aims:

This course provides the core foundation for supporting Microsoft Windows NT operating system version 4.0. The goal of this course is to provide support staff with the skills necessary to install, configure, customise, optimise, network, integrate and troubleshoot Windows NT 4. Content primarily of interest in a complex environment such as capacity planning on a server and a network, multiple domain management and trust relationships is covered in depth in a series of courses that makes up the Microsoft Windows NT Enterprise Series. Content specific to administration of the Windows NT Server network operating systems can be found in the Administering Microsoft Windows NT 4 course.

Course Outline: Modules 1 to 9

Day 1

Module 1: The Windows NT 4 Environment

- Microsoft Operating Systems
- Windows NT Architecture Overview
- Domains & Workgroups

Module 2: Installing Windows NT

- Preparing For Installation
- Installing Windows NT
- Performing A Server Based Installation
- Troubleshooting Installations
- Upgrading To Windows NT 4
- Initial Parameter Files
- OEM Setup Tools
- Using Books Online
- Removing Windows NT

Module 3: Configuring The NT Environment

- Registry Overview
- Control Panel Hardware Settings
- Control Panel Software Settings
- Registry Editor

Day 2

Module 4: Managing System Policies

- Overview of system policies
- How system policy works
- Implementing system policies
- Using System Policy Editor
- Modifying system policy
- Securing a computer
- System policy troubleshooting

Module 5: Managing File Systems

- File systems supported by Windows NT
- Working with file names
- Managing NTFS compression

Module 6: Managing Partitions

- Partitioning a disk
- Managing partitions by using Disk Administrator
- General maintenance and troubleshooting

Module 7: Managing Fault Tolerance

- RAID systems
- Recovering from hard disk failure

Module 8: Supporting Applications

- Subsystems overview
- Supporting Win32®-based applications
- Supporting MS-DOS-based and Win16 applications
- Supporting applications in other subsystems
- Supporting applications on different hardware platforms
- Distributed Component Object Model
- Managing applications

Day 3

Module 9: The Windows NT Network Environment

- Windows NT network environments
- Windows NT network architecture
- Distributed processing
- Accessing file and print resources
- Distributed File System

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Part Two

Course Outline: Modules 10 to 18

DAY 3 (Continued)

Module 10: Configuring NT Protocols

- Using the Network Program in Control Panel
- Microsoft TCP/IP
- NWLink
- NetBEUI
- Network bindings

Module 11: Windows NT Networking Services

- Installing network services
- Dynamic host configuration protocol
- Windows Internet Name Service
- Domain name system
- Computer Browser service

Day 4

Module 12: Remote Access Service

- RAS and Dial-Up Networking
- Telephony API
- Installing and configuring RAS
- Installing and configuring Dial-Up Networking
- Troubleshooting RAS

Module 13: Internetworking and Intranet-working

- Internet and intranet overview
- IIS and PWS networking components
- Using Microsoft Internet Explorer
- Securing Internet and intranet sites

Module 14: Interoperating with Novell NetWare

- Windows NT connectivity with NetWare
- Installing and configuring CSNW and GSNW

Day 5

Module 15: Implementing Network Clients

- Windows NT 4.0 Server licensing
- Licensing administration
- Client software included with Windows NT Server
- Network Client Administrator
- Client-based network administration tools
- Services for Macintosh®

Module 16: Implementing Directory Replication

- Directory replication overview
- Preparing for directory replication
- Managing directory replication
- Replication Troubleshooting Overview

Module 17: The Windows NT Boot Process

- Overview of the Windows NT boot process
- Troubleshooting the boot process
- Last Known Good configuration
- Emergency repair

Module 18: Troubleshooting Resources

- Troubleshooting categories
- Diagnostic tools
- Additional resources for troubleshooting

Target Audience:

Windows NT Network staff, network designers and technical staff who are or will be working with Windows NT Server Networks. **This course will help delegates prepare for the following Microsoft Certified Professional exams:**

Exam: 70-067: Implementing & Supporting Microsoft Windows NT Server v4

Exam: 70-073: Implementing & Supporting Microsoft Windows NT Workstation v4

Assumed Knowledge:

Working knowledge of the Microsoft Windows 95 operating system, such as Customising the start menu, configuring the desktop, using control panel, moving & sizing windows and switching between tasks.

Operational understanding of the following microcomputer topics: Microsoft DOS operating system, memory, hard disks, types of central processing unit (CPU) communications ports, printer ports, display adapters and pointing devices.

Completion of the Networking Essentials OR Equivalent knowledge

Completion of the Administering Microsoft Windows NT 4 OR Equivalent knowledge

Experience supporting networks OR End users