

Chapter 1: Introduction

You will learn:

- New features of Windows NT Release 4.0.
- Differences between Windows NT Workstation and Windows NT Server.
- Windows NT architecture.
- Application compatibility.
- Windows NT Resource Kit.
- Windows NT resource security model.

Chapter 2: Desktop Interface & Control Functions

You will learn:

- Windows NT interface and desktop.
- Menu structure and user profiles.
- Viewing and modifying the system properties.
- Task Manager.
- Windows Diagnostics.
- Configuring the Console Windows properties.
- Setting/changing the screen properties.
- Viewing/setting modem properties and creating connections.
- Specify ports settings.
- Configure services and startup screen.
- Set priority and paging file size.
- Set startup and shutdown options.
- Network Neighborhood properties - protocols.
- Services - startup options and hardware profiles.
- Devices and startup type.
- Accessibility options.
- Add/remove programs.

Chapter 3: Installation

You will learn:

- Preparing the computer for Windows NT.
- Creating boot disks for a CD-ROM installation.
- Making a local copy of Windows NT setup.
- Installing Windows NT over/with other operating systems.
- Running WINNT32 from Windows NT.
- Recognize the phases of the Windows NT Setup.
- Upgrading from an existing version of Windows NT.
- Partitioning of disks for use with Windows NT.
- Using Windows NT setup wizard.
- Choosing a file system.
- Selecting components.
- Creating an emergency repair disk.
- Installing network protocols and network services.
- Assigning a computer name.
- Troubleshooting Windows NT setup.
- Creating an Emergency Repair Disk.
- Customizing the install parameters.
- Installing from different media - network repositories and CD-ROMs.
- Differences between a distributed setup and a regular individual setup.
- Different methods used to set up a Windows NT computer across the network.
- Creating a Windows NT distribution share.

Chapter 4: File Systems and Disk Administrator

You will learn:

- Organization of FAT and NTFS.
- Features of NTFS Master File Table.
- Long and short filename supports.
- Principles and features of the recoverable file system.
- FORMAT and CONVERT commands.
- How to use data compression.
- Drives objects and utilities.
- Disk Administrator.
- Partitioning.
- Volume sets.
- Creating and managing fault-tolerant volumes.
- Mirroring drives.
- Recovering system mirror set.
- Recovering a stripe set with parity.

Chapter 5: Managing and Customizing the User Work Environment

You will learn:

- Creating user accounts.
- Assigning user accounts to groups.
- Manage rights.
- Managing account policies.
- RAS: Remote Access Service.
- User profiles.
- Auditing.

Chapter 6: Security

You will learn:

- Setting and managing file permissions.
- Setting and managing shares.
- Implement NTFS security features.
- Setting directory permissions.
- Setting up auditing.
- Implementing/managing directory replication.
- Performance and monitoring tools.
- Remote administration tools.

Chapter 7: Networking

You will learn:

- Network transport protocols.
- Implementing concurrent multiple protocols.
- NWLINK.
- NWLINK configuration options.
- TCP/IP.
- TCP/IP configuration options.
- TCP/IP diagnostic commands and utilities.

Chapter 8: Network Shares

You will learn:

- Set and managing file permissions.
- Set and manage shares.
- Implement NTFS security features.
- Setting directory permissions.
- Set up auditing.
- Implementing/managing directory replication.
- Performance and monitoring tools.
- Remote administration tools.
- Registry structure.
- Backing up and restoring Registry hives.

Chapter 9: Printing

You will learn:

- Structure of the Windows NT print subsystem.
- Adding network printers.
- Using local and remote printers.
- Viewing and managing print queues.
- Managing local and remote printers.
- Specifying separator pages.
- Understanding the spooler.
- Registry settings for customizing the printing process.

Chapter 10: Windows NT Networking Services

You will learn:

- Browser server roles.
- Browser operation.
- Browser election process.
- Browsing failures.
- Browser announcement intervals.
- Browsing multiple workgroups / domains.
- Windows NT Server - PDC: Browser Configuration.
- Monitor the Browser service.
- Appreciate other protocols.
- Understand and configure TCP/IP services.
- Appreciate the Application Layer Interface.
- DHCP clients and servers.
- Administering DHCP clients.
- Managing subzones.
- Forcing data file updates on the DNS.

Chapter 11: Essential Troubleshooting

You will learn:

- Troubleshooting hardware problems with the HCL, NTHQ, and Windows NT Diagnostics.
- Troubleshooting Using HKEY_LOCAL_MACHINE.
- Additional sources of documentation.
- How to understand and troubleshoot the Windows NT boot process.