

Chapter 1: Introduction

You will learn:

- C Product overview.
- C New features.
- C Workgroups and domains.
- C Security features.
- C Trust relationship.
- C Supported file systems - FAT and NTFS.
- C File naming convention in NTFS.
- C Disk administration.
- C Protocols for network communication.

Chapter 2: Installation

You will learn:

- C The Windows 2000 Server setup routine and the steps required to successfully migrate your network.

Chapter 3: File System and Disk Administration

You will learn:

- C Organization of FAT and NTFS.
- C Features of NTFS Master File Table.
- C Long and short filename supports.
- C Principles and features of the recoverable file system.
- C FORMAT and CONVERT commands.
- C Checking for hard disk errors.
- C Running Windows NT Backup.
- C Windows NT Backup options.
- C Disk Administrator.
- C Partitioning.
- C Volume sets.
- C Creating and managing fault-tolerant volumes.
- C Mirroring drives.
- C Recovering system mirror set.
- C Recovering a stripe set with parity.

Chapter 4: Installation

You will learn:

- C Preparing the computer for Windows NT Server.
- C Creating boot disks for a CD-ROM installation.
- C Making a local copy of Windows NT setup.
- C Running WINNT and WINNT32 from Windows NT.
- C Upgrading from Windows NT Workstation and Windows NT Server.
- C Recognize the phases of the Windows NT Setup.
- C Installing Windows NT Server: PDC, BDC, or standalone
- C Selecting components.
- C Installing network protocols and network services.
- C Assigning a domain and a computer name.
- C Creating an emergency repair disk.
- C Troubleshooting Windows NT setup.
- C Use Setup Manager.
- C Creating a Windows NT distribution share.
- C Understand how to deploy a distributed installation of Windows NT Server.

Chapter 5: Network Client Administrator

You will learn:

- C How to use the Network Client Administrator for creating installation disks for the various Windows NT clients.
- C How to install a variety of client workstations.
- C How to use the clients for connecting to and sharing resources from a Windows NT Server.

Chapter 6: User Manager for Domains

You will learn:

- C Creating user and group accounts.
- C Managing users and groups.
- C Assigning access rights.
- C Creating and managing user profiles.
- C Managing account policies.
- C Set and manage shares.
- C Dfs: Distributed file system.

Chapter 7: Sharing Directories and Files

You will learn:

- C How to set and manage file permissions.
- C How to set and manage shares.
- C Implement NTFS security features.
- C How to set directory permissions.
- C How to set up auditing.
- C How to share files from Microsoft clients - Windows for Workgroups and Windows 95/98.

Chapter 8: Printing

You will learn:

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

Chapter 9: Server Manager

You will learn:

- C The complete range of Server Manager facilities.
- C How to perform remote domain administration tasks.
- C How to manage services.
- C Implementation/management of directory replication.

Chapter 10: Managing User Environments

You will learn:

- C The structure of a user profile.
- C The nuser.dat file.
- C All users folder.
- C Local and roaming user profile.
- C Adding users and groups to permissions list.
- C Changing the user profile type for slow connections.
- C Allowing for different hardware configurations.
- C How to use Windows 95/98 user profiles on Windows NT server networks.
- C How to use System Policy Editor.
- C How to create User and Computer profiles.

Chapter 11: Preventative Maintenance and Disaster Recovery

You will learn:

- C The function of RAS.
- C How to install and configure RAS.
- C RAS administration.
- C How to perform basic troubleshooting.

Chapter 12: RAS: Remote Access Service

You will learn:

- C Planning for disaster and recognize the importance of creating standardized recovery procedures.
- C Making a fresh Emergency Repair Disk before installing a new software package or making any major changes to the system.
- C Making an emergency boot disk that bypasses corrupted boot information.
- C How to create an emergency boot disk for a mirrored boot partition.
- C How to restore a failed server.

Chapter 13: TCP/IP, DNS, DHCP and WINS

You will learn:

- C Understand subnets, subnet masks, gateways, and routers.
- C Appreciate routing protocols.
- C Map from Domain Names to IP Addresses.
- C Install WINS.
- C Use the Administration Tools for TCP/IP.
- C Implement/configure a DHCP Server.
- C Utilize DHCP Manager.

Chapter 14: Registry

You will learn:

- C The structure of the registry.
- C How to view and modify the Registry.
- C How to search for a key in the Registry Editor.
- C Remotely administration of the registry.
- C Back up and restore registry hives.

Chapter 15: Performance Guidelines

You will learn:

- C How to optimize physical and virtual memory.
- C Disabling unnecessary services.
- C Changing Network Server memory demands.
- C Configuring NT Server tasking priorities.
- C Monitor network activity.
- C Appreciate and utilize counters.