

**Chapter 1: Windows 2000: Platform and Architecture**

You will learn:

- Windows 2000 product family.
- New features/facilities of Windows 2000.
- Changes to the Windows architecture.
- Changes to the kernel and kernel architecture.
- Clustering and fail-over.
- Globalization and unicode.

**Chapter 2: Installation**

You will learn:

- Windows 2000 system requirements.
- Hardware and software compatibility issues.
- Upgrading versus performing a new installation.
- Type of installation and choosing among running setup directly from the network or a CD-ROM, automating the process, or using remote installation functionality.
- Running Setup.
- Upgrading to the Windows 2000 File System - NTFS.
- Networking settings.
- Joining a domain/workgroup.
- Starting and logging on to Windows 2000 for the first-time.
- Plan for an unattended install with Setup Manager.
- The Windows 2000 Server setup routine and the steps required to successfully migrate your network.

**Chapter 3: Administration Tools and MMC**

You will learn:

- Windows 2000 Professional and Server graphical administrative tools.
- Graphical administrative tools.
- Control Panel.
- Command line utilities.
- Windows 2000 Support Tools.
- Run as command.
- MMC: Microsoft Management Console.
- Computer Management Console.
- Working with services and applications.

**Chapter 4: Security Model and Enterprise Implementation**

You will learn:

- Windows 2000 security model.
- User accounts.
- Security identifiers and user accounts.
- Groups, group types, and group scope.
- Domain local, global, and universal groups.
- Default user accounts and groups.
- Built-in user accounts.
- Predefined user accounts.
- Built-in groups.
- Predefined groups.
- Implicit groups and special identities.
- Account capabilities.
- Privileges.
- Logon rights.
- Built-in capabilities for groups in Active Directory.
- Default Group accounts and usage.
- Groups used by administrators.
- Groups used by users and computers.
- Implicit groups and identities.

**Chapter 5: Active Directory**

You will learn:

- Active Directory and DNS.
- Active Directory: logical and physical structures.
- Domain forests and domain trees.
- Organizational units.
- Sites and subnets.
- Native mode operations.
- Installing Active Directory clients.
- Data store.
- Global catalog.
- Replication and Active Directory.
- Domain controllers and replication.
- Domain controllers hosting a global catalog and replication.
- FSMO/Operations Master roles.
- Tools for managing Active Directory services.
- Active Directory Administration tools.
- Active Directory support tools.
- Active Directory Users and Computers tool.
- Connecting to a domain controller.
- Connecting to a domain.
- Searching for accounts and shared resources.
- Creating and managing computer accounts.
- Managing domain controllers, roles, and catalogs.
- Viewing and transferring domain-wide roles.
- Creating/managing organizational units.

**Chapter 6: File Resource Management**

You will learn:

- Set and manage shares.
- Computer Management console.
- Publishing shares.
- Set and manage file and folder permissions.
- Implement NTFS security features.
- Access control for folder and file auditing.
- Ownership.
- Transaction logging.
- Disk quotas.
- Distributed link tracking of files.
- File system encryption.
- Disk defragmentation.
- Dfs: Distributed file system.

**Chapter 7: Group Policies**

You will learn:

- User and computer policies.
- Application of multiple policies.
- Local and nonlocal group policy objects.
- Group policy snap-in.
- Scripts.
- Managing local group policies.
- Administrative templates
- Site, domain, and unit policies.
- Centrally managing special folders.
- Software installation.
- Windows Installer.
- Add/Remove Programs utility.

**Chapter 8: Disk Management and Dynamic Volumes**

You will learn:

- Physical drives - SCSI and IDE.
- Partitioning and disk organization.
- File system capabilities.
- Data compression.
- Disk management.
- Marking an active partition.
- Assigning drive letters.
- Basic and dynamic disks.
- Changing drive types.
- Managing volumes.
- Volume sets.
- Stripe sets.
- RAID.

**Chapter 9: Disaster Recovery and Troubleshooting Debugging**

You will learn:

- Customize the boot.ini.
- Disaster recovery and preparation.
- Create an ERD - Emergency Repair Disk.
- Create boot disks.
- Start a system in Safe Mode.
- Emergency Repair Disk - system recovery.
- Create a start-up disk.
- Recovery Console / Recovery console commands.
- Troubleshoot using the Registry.
- Restore Active Directory.

**Chapter 10: DHCP and WINS**

You will learn:

- How DHCP works.
- Installing DHCP Server.
- Managing the DHCP Server.
- Basic troubleshooting.
- Client lease information.
- Scopes - creation and administration.
- Scopes - 80/20 rule.
- Troubleshooting DHCP servers.
- WINS - benefits / use.
- Installing and managing WINS Server
- Adding a WINS server to the console.
- Managing server properties.
- Lmhosts files.

**Chapter 11: Terminal Services**

You will learn:

- Appreciate the benefits of Terminal Services.
- Install/configure Terminal Services.
- Use Terminal Services Manager.
- Manage Console and Listener sessions.
- Connect to a Terminal Server.
- Disconnect and end sessions.

**Chapter 12: Remote Access**

You will learn:

- Dial-up networking.
- Virtual Private networking.
- Network and dial-up connection types.
- Protocol support.
- Remote Access Server - installation.
- RAS configuration.
- BAP and BACP.
- Port configuration.
- Remote Access client management.
- Sending a message to single/all remote access clients.
- RADIUS authentication.
- RADIUS accounting.
- Extensible Authentication Protocol.

**Chapter 13: Network Upgrade to Windows 2000**

You will learn:

- Upgrade paths and preparation.
- Server Upgrade: Windows NT to 2000.
- Upgrading domain controllers.
- Upgrading to Windows 2000 Active Directory Service.
- Installing Active Directory on the Windows NT PDC.
- Upgrading backup domain controllers.
- Alternative upgrade models.
- Upgrading to Windows 2000 on cluster nodes.