

Chapter 1: Windows Platform and Architecture

You will learn:

- Windows 2000 product family.
- New features/facilities of Windows 2000 Server.
- Windows architecture.
- Changes to the kernel and kernel architecture.
- New features/facilities.
- Kernel - new facilities.
- Clustering.
- Implementing domain organization.
- Upgrading the remaining backup domain controllers.
- Completing upgrade of the domain.
- Terminal Services - purpose and function.
- Windows 2000 Active Directory Service.
- Joining a Windows XP computer to a domain or workgroup.

Chapter 2: Windows 2000 Server Environment

You will learn:

- Windows 2000 system requirements.
- 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.
- The Windows 2000 Server setup routine and the steps required to successfully migrate your network.
- Running Setup.
- Upgrading to the Windows 2000 File System - NTFS.
- Plan for an unattended install with Setup Manager.
- Active Directory - initial installation.

Chapter 3: Windows XP Clients

You will learn:

- Windows XP interface.
- Start Menu - Simple vs Classic View.
- Classic start menu -customize.
- System properties.
- Start Menu customization.
- Offline files.
- Profiles.
- Documents and Settings folder.
- Control Panel.

Chapter 4: Administration Tools and MMC

You will learn:

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

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.

Chapter 6: User Groups and Accounts

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.
- Creating/managing organizational units.
- Naming objects and Active Directory.
- GUID: Globally Unique Identifiers.

Chapter 7: File Resources and Network Access

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 8: Disk Management and Configuration

You will learn:

- 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: Security Model

You will learn:

- User authentication.
- Object-based access control.
- Active Directory and security.
- Domains and security.
- Transitive trust relationships.
- Default security settings.
- User rights.
- Privileges.
- Logon tights.
- Security Configuration and Analysis.
- Active Directory and trusts.
- Computer accounts.
- Security groups.
- Distribution groups.
- Categories of audit events.
- Logon auditing.
- Difficult to Interpret Event Ids.

Chapter 10: 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 11: System Disaster and Recovery

You will learn:

- Disaster recovery and preparation.
- Troubleshooting steps.
- Startup phases and process.
- Boot.ini options.
- Recovery Console.
- Windows XP Distribution CD: recovery.
- Restore Point: creation.
- Customize the boot.ini.
- Create boot disks.
- Start a system in Safe Mode.
- Create an ERD - Emergency Repair Disk.
- Emergency Repair Disk - system recovery.
- Recovery console commands.
- Restore Active Directory.
- Troubleshoot using the Registry.
- Domain controller - restoration.
- Windows 2000 Server system state configurations.
- Restoring System Data.
- Authoritative restore.
- System summary.
- Troubleshooting using the Registry.
- Finding service and device dependencies.

Chapter 12: Replication

You will learn:

- Sites and replication.
- Replication within a site.
- Configuring site link replication availability.
- Replication options.
- Replication - configuration.
- Site Link - creation/deletion.
- Site Link Bridge - creation/deletion.
- Configuring site link replication availability.
- Forcing replication over a connection.

Chapter 13: Monitoring Resources and Performance Optimization

You will learn:

- System Monitor.
- Performance objects and counters.
- System shortcut keys and buttons.
- Network Monitor.
- Network Monitor interface.
- Capture data with Network Monitor.

Chapter 14: Terminal Services and Remote Desktop

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.
- Remote Desktop - purpose and function.
- Client software.
- Remote Desktop connection.
- Redirection.
- Remote Desktop Web Connection.
- Remote Desktop - deployment.
- Enabling Remote Desktop in Windows XP Professional.
- Troubleshooting.
- Security and encryption in Remote Desktop.