

Chapter 1: Getting Started

You will learn:

- SQL Server 2000 features.
- SQL Server Editions.
- SQL Server architecture.
- SQL Server 2000 components.
- Graphical administration tools.
- Replication.
- DTS: Data Transformation Services.
- SQL Server 2000 English Query.
- Meta data services.
- System databases and data.

Chapter 2: Installation

You will learn:

- Hardware and software requirements.
- Installing SQL Server on a database server.
- SQL Server with client/server applications.
- SQL Server with an Internet Server.
- SQL Server components.
- Setting up Windows Services Accounts.
- Local System account.
- Domain User account.
- File locations for SQL Server program and SQL Server.
- Default Instance File Path for program and data files.
- Setup type: typical, minimum, or custom.
- Components for each installation type.
- Upgrading from previous versions of SQL Server.

Chapter 3: Administrative Tasks

You will learn:

- Starting, pausing, and stopping SQL Server.
- SQL Server Service and Service Manager.
- SQLServerAgent Service.
- SQL Server Enterprise Manager.
- SQL Server Service Manager.
- Starting SQL Server: different ways.
- Logging In to SQL Server.
- Running SQL Server: different ways.
- Stopping SQL Server.
- Broadcasting a shutdown message.

Chapter 4: Managing Security

You will learn:

- Security architecture.
- Security planning.
- Security levels.
- Authentication modes.
- Windows authentication.
- SQL server authentication.
- Creating security accounts.
- Security rules.
- Adding a Windows user or group.
- Granting a Windows user or group access to a database.
- Using Store Procedures sp_grantdbaccess.
- Using the Enterprise Manager.
- Managing permissions.

Chapter 5: Failover Clustering

You will learn:

- Terms and definitions.
- Virtual servers.
- Windows 2000 Server clustering.
- Installing Cluster administrator.
- Failover Cluster: creating and maintaining.
- Upgrading to a SQL Server 2000 Failover Cluster.
- Adding and removing a node to/from an existing virtual server.
- Recovering from Failover Cluster failures.
- Changing service accounts.

Chapter 6: Importing/Exporting Data

You will learn:

- Import/export tools.
- Capabilities of different options.
- Preparing data for Import/Export.
- bcp utility.
- BULK INSERT.
- Trigger execution.
- Using a data file with fields in a different order.
- Copying data.
- Column-level collations.
- Bulk Copy performance considerations.
- Query processor.
- Logged and minimally logged Bulk Copy operations.
- Parallel data loads.
- Batch switches.
- Ordered data files.

Chapter 7: Backing Up and Restoring Data

You will learn:

- Backup and restore strategies.
- Choosing the appropriate tools/techniques.
- Managing media.
- Disaster recovery.
- Running a base functionality script.
- Estimating the size of a database backup.
- Selecting a recovery model.
- Backup devices.
- Physical and logical devices.
- Creating logical disk and tape backup devices using Enterprise Manager.
- Database backups.
- Restoring a database backup.
- Copying databases.
- Re-creating database files.
- Moving the database files.
- Changing the database name.
- Restoring Full-text index data.

Chapter 8: Server Management

You will learn:

- Server tasks.
- Registering/removing servers.
- Creating server groups.
- Registering a and removing a Server-Using Enterprise Manager.
- Assigning an sa Password.
- Managing AWE memory.
- AWE memory and system resources.
- Evaluating memory usage.
- Running multiple instances.
- Net-Libraries and network protocols.
- Activating Server Net-Libraries after Setup.
- Setting up client configuration entries.
- Log shipping.
- Database maintenance plan wizard.
- Configuring log shipping.
- Managing SQL Server messages.
- Adding a New SQL Server message.
- Managing SQL Server messages.
- Editing a SQL Server message.
- Deleting a message.
- Processing an E-mail request received by SQL Server.
- Configuring SQL Mail.
- Using SQL Mail stored procedures.

Chapter 9: Managing Clients

You will learn:

- Configuring client Net-Libraries.
- Viewing network library function.
- Changing default configurations.
- Configuring a multiprotocol alias.

Chapter 10: Function and Language Elements

You will learn:

- Built-in functions.
- Mathematical functions.
- String functions.
- Date and time functions.
- Dateparts recognized by Microsoft SQL Server.
- Flow control.

Chapter 11: Stored Procedures and Triggers

You will learn:

- Control-of-flow language.
- Local variables.
- Global variables.
- Creating and executing procedures.
- Parameters.
- Triggers.

Chapter 12: DDL

You will learn:

- Creating a user database.
- Removing a database.
- User-defined datatypes.
- Creating/removing a table.
- Adding columns.
- Managing indexes.
- Permission hierarchy.