

# SQL Server 2000 System Administration

## 4 day course

### Overview

Students will learn how to install, configure, administer, and troubleshoot Microsoft SQL Server 2000 in a Windows 2000 Server environment.

### Prerequisites

Windows 2000 Installation and Administration, or equivalent knowledge.

### Target student

Students attending this course should be able to complete the tasks necessary to implement and administer a Windows NT Server 4/Windows 2000 Professional domain.

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## Course Content:

### Introduction to Microsoft SQL Server

- Exploring the Components of SQL Server
- Administering SQL Server

### Installing SQL Server

- Identifying the Requirements for Installing SQL Server
- Installing SQL Server
- Exploring the SQL Server Installation
- Troubleshooting the Installation

### Designing and Implementing Databases

- Developing a Strategy for Implementing Databases
- Creating Databases
- Managing Databases

### Creating and Managing Tables

- Creating Tables
- Using Transact-SQL to Work with Tables

### Designing and Configuring SQL Server Security

- Identifying the Security Features of SQL Server
- Creating Login Accounts
- Assigning Login Accounts as Database Users
- Implementing Statement and Object Permissions
- Defining Linked Servers

### Importing and Exporting Data

- Introduction to Data Transfer
- Bulk Data Transfers
- Configuring XML Support

### Backing Up SQL Server Databases

- Planning Backups
- Performing a Backup
- Designing Your Backup Strategy

### Restoring SQL Server Databases

- Restoring User-defined Databases
- Recovering System Databases

### Automating SQL Server Administration

- Configuring SQL Server to Send Mail
- Defining SQL Operators
- Managing Jobs

- Managing Alerts

**Designing, Configuring, and Managing Replication**

- Introduction to Replication
  - Configuring Replication
  - Monitoring and Maintaining Replication
  - Troubleshooting Replication
  - Implementing Fault Tolerance
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