



## Computer Consultants Corporation

### **Installing, Configuring, and Administering Microsoft SQL Server 2000**

**Exam 70-228**

Length of course: 3 class days (18 hours)

Prerequisites: Good grasp of databases and the Windows operating system is required. At least 1 year of prior experience with a relational database package.

Learning Objectives: SQL Server is Microsoft's client-server DBMS. This course provides the participant with the skills required to perform administrative tasks and to properly manage a SQL Server system.

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#### **SQL Server Overview**

- What Is SQL Server
- SQL Server Integration
- SQL Server Databases
- SQL Server Security
- Working with SQL Server

#### **Planning to Install SQL Server**

- Hardware Installation Considerations
- SQL Server 2000 Editions
- Software Installation Considerations
- Methods of Installing SQL Server
- Verifying the Installation
- Configuring SQL Server Enterprise Manager
- Troubleshooting

#### **Managing Database Files**

- Introduction to Data Structures
- Creating Databases
- Managing Databases
- Placing Database Files and Logs
- Optimizing Databases w/ Hardware-based RAID
- Optimizing the Database Using Filegroups
- Capacity Planning
- Performance Considerations

#### **Managing Security**

- Implementing an Authentication Mode
- Assigning Logins to Users and Roles
- Assigning Permissions to Users and Roles
- Managing Security Within SQL Server
- Managing Application Security
- Managing SQL Server Security in the Enterprise

#### **Performing Administrative Tasks**

- Configuring SQL Server
- Creating Jobs and Operators
- Creating Alerts

#### **Backing Up Databases**

- Preventing Data Loss
- Setting a Database Recovery Model
- SQL Server Backup
- When to Back Up Databases
- Performing Backups

#### **Restoring Databases**

- SQL Server Recovery Process
- Preparing to Restore a Database
- Restoring Backups

#### **Monitoring SQL Server for Performance**

- Why to Monitor SQL Server
- Performance Monitoring and Tuning
- Tools for Monitoring SQL Server
- Common Monitoring and Tuning Tasks

#### **Transferring Data**

- Introduction to Transferring Data
- Tools for Importing and Exporting Data
- Transforming Data with DTS

#### **Introducing Replication**

- Introduction to Distributed Data
- Introduction to SQL Server Replication
- SQL Server Replication Agents
- SQL Server Replication Types
- Physical Replication Models