

Administering an SQL 2000 Database

Course Level	:	Introduction
Course Duration	:	5 days
Prerequisites	:	A working knowledge of Transact Statements



▼ Course Content

○ Course Objectives

○ SQL Server Overview?

- What is SQL?
- 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
- Licencing
- Software Installation Considerations
- Methods of Installing SQL Server
- Verifying the Installation
- Configuring
- Troubleshooting

○ Managing Database Files

- Introduction to Data Structures
- Creating Databases
- Managing Databases
- Placing Database Files and Logs
- Optimizing the Database using Hardware based RAID and File Groups
- Capacity Planning
- Performance Considerations

○ Managing Security

- Implementing an Authentication Mode
- Assigning Logins to Users and Roles
- Managing Security within SQL Server
- Views and Stored procedures
- Application Security
- SQL Server Security in the Enterprise
- Performance Logs

○ Performing Administrative Tasks

- Configuring Tasks
- Upgrading SQL Server
- Routing Tasks
- Automating Tasks
- Creating a Database maintenance Plan
- Creating Alerts

- Troubleshooting SQL Automation
- Automating Multiserver Jobs

- Backing Up Databases
- Preventing Data Loss
- SQL Server Backup
- When to Back Up
- Performing Backups
- Types Of Backup Methods
- Planning a Strategy
- SQL Server Recovery process

- Preparing to Restore a Database
- Restoring

○ Monitoring SQL Server for Performance

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

○ Transferring Data

- Introduction to Transferring Data
- Tools for Transferring Data
- Data Transformation Services
- DTS

○ Replication

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

○ Maintaining High Availability

- Planning and Using Multiple Instances
- Maintaining High availability