

COMPREHENSIVE, HANDS ON ONE-ON-ONE TRAINING

SQL SERVER 2000 Administration

Course Outline

1. **Installing SQL server 2000**
 - a. Planning to Install SQL Server 2000
 - b. Deciding SQL server 2000 setup Configuration options
 - c. Running the SQL server 2000 setup program
 - d. Using name, default and multiple instance of SQL server
 - e. Performing unattended and remote installation
 - f. Troubleshooting a SQL server 2000 installation
2. **Preparing to use SQL server 2000**
 - a. Reviewing the result of installation
 - b. Starting, Stopping Pausing and modifying Sql server 2000
 - c. Working with OSQL, SQL query analyzer and SQL server Enterprise manager
3. **Upgrading to SQL server**
 - a. Preparing to upgrade
 - b. Performing a version upgrade from SQL server 7.0
 - c. Performing a version upgrade from SQL server 6.5
4. **Understanding system and user database**
 - a. Understanding database architecture
 - b. Understanding the transaction log architecture
 - c. Understanding and querying System and database catalogs
5. **Creating and configuring User database**
 - a. Creating a user database
 - b. Setting database options
 - c. Managing user database size
 - d. Placing database file on multiple disk
6. **Populating a database**
 - a. Transfering and transforming data
 - b. Introduction to Microsoft Data transformation Service (DTS)
 - c. Transferring and transforming data with DTS graphical tools
 - d. Working with DTS packages
 - e. Using the Bulk copy program
 - f. Using the bulk Insert T-SQL statement
7. **Developing a data restoration strategy**
 - a. Understanding a data restoration Issues
 - b. Understanding type of database backup
 - c. Understanding the restoration process
8. **Backing Up and Restoring SQL server**
 - a. Understanding Backup Terms, media and devices
 - b. Backing up, database file, filegroups and Transaction logs
 - c. Restoring a user database
 - d. Restoring and rebuilding System databases
9. **Managing access to SQL server**
 - a. Understanding Authentication Process

- b. Understanding Authorization Process
- c. Creating and managing Login

10. **Managing SQL server permission**

- a. Granting Database-specific Permissions
- b. Using application roles
- c. Designing an Access and Permissions Strategy

11. **Performing Administrative task**

- a. Performing configuration task
- b. Setting Up additional features
- c. Performing maintenance Tasks

12. **Automating administrative task**

- a. Defining Operators
- b. Creating Jobs
- c. Configuring Alerts
- d. Creating a database maintenance plan
- e. Creating multi server jobs

13. **Monitoring SQL server performance**

- a. Developing a performance monitoring methodology
- b. Choosing among monitoring Tools
- c. Performing monitoring task

14. **Using SQL server Replication**

- a. Introduction to replication
- b. Planning for replication
- c. Implementing replication
- d. Monitoring and administering Replication

15. **Maintaining High availability**

- a. Using Standby server
- b. Using failover clustering

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