



Noble Software Consulting IT Training

MS SQL SERVER 2008 DBA COURSE OVERVIEW

The primary goal of this course is to prepare the students to administer complex SQL Server databases. This SQL Server DBA course is an intensive hands-on course designed to provide professionals with an in-depth understanding of the DBA features of SQL Server and T-SQL syntax for the DBA. This course covers all of the SQL Server Database Administration topics including global tuning with SQL Server parameters, SGA instance management, file & tablespace management, user administration & security and table & index management.

MS SQL SERVER 2008 DBA COURSE OUTLINE– 30 HRS

❖ The History of SQL Server and relational databases

Relational database history
The evolution of SQL Server
SQL Server and ANSI standards

❖ Installing and configuring SQL Server

Pre-installation steps
Installing SQL Server
Configuring the run-time SQL Server system
Patching SQL Server - Service packs

❖ SQL Server data storage management

SQL Server file management architecture
Creating database files
Creating SQL Server log files
Using SQL Server file groups

❖ Managing data with the DTS utility

Using DTS to export and import SQL Server table data

❖ **SQL Server Security management**

- Windows security management for the server
- Windows authentication mode
- SQL Server rights and role management

❖ **SQL Server Backup & Recovery**

- Overview of SQL Server backup & recovery
- Incremental backups
- Restoring a SQL Server database
- Standby database overview
- Shipping SQL Server log files to standby databases

❖ **SQL Server database Replication**

- Microsoft replication architectures
- Creating a replication topology
- Configuring SQL Server replication

❖ **SQL Server Job scheduling**

- Common database scheduled jobs
- Configuring SQLMail
- Setting SQL Server and server alert thresholds
- Creating customized error conditions
- Scheduling multi-step job streams

❖ **Ratio Analysis**

❖ **PLM Steps 3 and 4 - Using History to Prepare for the Future**

❖ **Performance Tuning for the SQL Server DBA**

- SQL Server monitoring for performance
- SQL Server startup parameter tuning
- T-SQL tuning
- SQL tuning for SQL Server
- Diagnosing storage and system problems
- Diagnosing session and O/S issues