MS SQL Server DBA

Duration: 45Hours
Pre Requisite: Basic Knowledge RDBMS
Training Type: In-Class / Online

SQL Server 2008 Overview

- Availability and Scalability Features
- Security Features
- Data Management Features
- Administration and Maintenance Features
- Development Features
- To enable SQLiMail
- Testing mail delivery

Installing SQL Server 2008

Upgrading to SQL Server Management Studio

- Management Studio Windows
- Registered Servers
- Object Explorer
- Review Database Objects
- Modify Database Properties
- Create Database Scripts
- Upgrading to SQL Server Computer Manager
- SQL Server 2008 Network Configuration node
- Configuration node

Monitoring the Database Server

- Managing Metadata Views
- Metadata Storage
- System Views
- Information Schema
- Catalog Views
- Sys All
- Dynamic Management Views
- System Stored Procedures

Database and Index Maintenance

- Index Management
- New Index Features
- Creating Indexes
- Partitioned Tables and Indexes
- XML Index Support
- Altering an Index
- Rebuilding an Index
- Reorganizing an Index
- Disabling an Index
- Dropping an Index
- Index Fragmentation

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Securing SQL Server 2008

- Implementing Securables
- New Security Features
- Permission Types
- Managing Logins
- Managing Users
- Managing Schemas
- Managing Execution Context
- Managing Permissions
- Manage Server Permissions
- Manage Server-Scope Securable Permissions
- Manage Database Permissions

SQL Server Disaster Recovery

- SQL 2008 Disaster Recovery Feature Enhanced Features
- Database Snapshots
- Common Snapshot Applications
- Recovering a dropped object
- Backup and Restore
- Backup Changes
- Restore Changes
- Recovering the MASTER Database
- Create a mirrored backup

Database Availability

- SQL Server 2008 Data Availability
- Database Mirroring
- Configuring Database Mirroring
- High Availability Operating Mode
- High Protection Operating Mode
- High Performance Operating Mode
- Mirroring Security
- Monitoring Mirroring

Replicating Information

- Replication Enhancements
- Stand-alone Replication Monitor
- Support for Oracle Publishing
- HTTP Synchronization for Merge
- Replication
- Subscriber Initialization
- Replicating DDL Statements
- Modified User Interface
- Replication Management Objects

SQL Server 2008 Integration Services

- Creating the Database Objects
- Creating a Package Using Business
- Intelligence Studio
- Integration Services Project Template
- OLE DB Command object
- Column Mappings
- Adding a Data Viewer

Monitoring and Performance

- SQL Server Profiler
- Optimal Data Storage
- Diagnostic Tools
- Query Analyzer
- Database Engine Tuning Advisor
- Index Optimization
- Federated Database Servers
- Partitioned Indexes
- Lock optimization