## SQL Server DBA Course Details

**By Besant Technologies**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>SQL Server DBA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Database Administration</td>
</tr>
<tr>
<td>Venue</td>
<td>Besant Technologies</td>
</tr>
<tr>
<td>Address</td>
<td>No.24, Nagendra Nagar, Velachery Main Road, Velachery, Chennai – 600 042 Landmark – Opposite to Phoenix Market City</td>
</tr>
<tr>
<td>Official URL</td>
<td>SQL Server DBA Training</td>
</tr>
<tr>
<td>Demo Classes</td>
<td>At Your Convenience</td>
</tr>
<tr>
<td>Training Methodology</td>
<td>30% Theory &amp; 70% Practical</td>
</tr>
<tr>
<td>Course Duration</td>
<td>35-40 Hours</td>
</tr>
<tr>
<td>Class Availability</td>
<td>Weekdays &amp; Weekends</td>
</tr>
<tr>
<td>For Demo Class</td>
<td>Call - +91-996 252 8293 / 94 Email ID – <a href="mailto:besanttech@gmail.com">besanttech@gmail.com</a></td>
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</tbody>
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### Why Besant Technologies?

- Training by highly experienced and certified professionals
- No slideshow (PPT) training, fully Hand-on training
- Interactive session with interview QA’s
- Real-time projects scenarios & Certification Help
- Most competitive & affordable course fees
- Placement support for all courses
- List of established & satisfied clients & students ([Visit our website for reviews](#)).
SQL Server DBA Training Outline

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 and Configuring SQL Server 2008
- SQL Server 2008 Editions
- Installing Microsoft SQL Server
- System Requirements
- Preparing for a SQL 2008 Installation
- Installation Checklist
- Setup Features
- Using the System Consistency Checker
- Component Install
- Unattended Installation
- Upgrading from previous versions of SQL Server
- To verify the Installation
- Administrative Tools

SQL Server Management Studio and other tools
- Management Studio Windows
- Registered Servers
- Object Explorer
- Review Database Objects
- Modify Database Properties
- Create Database Scripts
- The Maintenance Plans Node
- Solution Explorer
- Query Editor
- Upgrading to SQL Server Computer Manager
- SQL Server 2008 Services node
- SQL Server 2008 Network Configuration node
- SQL Server 2008 Native Client Configuration node
- The SQLCMD Management Utility
- SQLCMD Syntax
- SQLCMD Variables
• Dedicated Administrative Connection
• SQL Server Management Studio SQCMD Mode
• Using SQL Management Objects
• BCP in and out with Format files and Bulk Insert
• Import Export Wizard

**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
• Online Index Maintenance
• Parallel (multiple CPU) Index Operations
• Lock Options
• Included Columns in Indexes
• Partitioned Tables and Indexes
• Altering an Index
• Rebuilding an Index
• Reorganising an Index
• Disabling an Index
• Dropping an Index
• Index Fragmentation
• Using the Database Tuning Advisor

**Securing SQL Server 2008**

• Implementing Securables
• New Security Features
• Principals
• Securables
• Permissions
• Permission Types
• Managing Logins
• Managing Users
• Managing Schemas
• Schema Definition
• Using Schemas
• Managing Execution Context
• Managing Permissions
• Manage Server Permissions
• Manage Server-Scope Securable Permissions
• Manage Database Permissions
• Manage Database-Scope Securable Permissions
• Managing Certificates
• Native Data Encryption
• TDE
• Code and Module Signing
• SQL Server Auditing

SQL Server Backup & Recovery
• Disaster Recovery
• SQL 2008 Disaster Recovery Feature
• Enhanced Features
• Database Snapshots
• Creating a Snapshot
• Common Snapshot Applications
• Undeleting table rows
• Undoing a table update
• Recovering a dropped object
• Backup and Restore concept and types
• Backup and Restore options
• Media Integrity Changes
• Recovering the MASTER Database
• Create a mirrored backup

Database Availability
• SQL Server 2008 Data Availability
• Server Clustering concepts
• Failover of SQL Server Cluster
• Logshipping concept and setup
• Database Mirroring
• The Witness Server and Automatic Failover
• Configuring Database Mirroring
• Transaction Safety Level
• High Availability Operating Mode
• High Protection Operating Mode
• High Performance Operating Mode
• Monitoring Mirroring
• Database States for Database Mirroring
• Comparison between Logshipping and mirroring

Replicating Information
• Replication concept
• Distributor Administration
• Creating and Managing Publications and setting up of various types of replication
• Subscribing to a Publication
• Transforming Published Data
• Managing Replication Monitors
• Distributed query and transaction
• Distributed Transaction Coordinator Service
• Managing Linked Servers

SQL Server 2008 Integration Services (Optional)
• 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
• Windows Perfmon Monitors
• DMV’s
• Diagnostic Tools
• Query Analyzer
• Database Engine Tuning Advisor
• Index Optimisation
• Partitioned Indexes
• Lock optimization