TechyEdz Solutions

Training | Consulting | Developement | Outsourcing

BizTalk Servers

SQL Server Cluster

Node A
(Active)

Node B
(Passive)

Shared Disk
Array

SQL Server DBA 2016

SQL Server DBA 2016

🞦 Course Overview:

SQL DBA will provide you the best knowledge on SQL databases, architecture, system design, etc with live experts. Learning the SQL Administration Course makes you a master in this subject that mainly includes various features of SQL Server, installations, configurations, backups, etc. Our SQL DBA Course module will provide you a way to become certified in SQL Server Administration. So, join hands with us for accepting new challenges and make the best solutions through SQL Server DBA Course. Learn SQL Server Administration with basics and other features that will make you an expert in the SQL administration and practices to deal with real-time tasks. We provides the SQL Administration Training, where you will come to know how to use the various features within the SQL Server database to work in the real world. The SQL Database Administrator Training will provide you the various skills on how to get started with SQL Server or Database with good online support.

🞦 Course Outline:

Starting with SQL Server

- ➢ Responsibilities of Database Administrator
- ➢ Types of DBAs
- ➢ History of SQL Server
- ➢ Editions of SQL Server Tools
- ➢ SQL Server Differences
- ➢ Standard and Enterprise editions Instances
- ➢ Types in SQL Server Default Instance
- ➢ Named Instance
- ➢ SQL Server Services
- ➢ Instance aware services
- ➢ Instance unaware services

ARCHITECTURE

- ➢ SQL server architecture
- ➢ Protocols

RESTORATIONS

- ➤ Types of Restorations
- ➤ Restoration Options
- ➤ Point in Time Restorations
- ➤ Recovery Process
- ➤ Recovery Options

AUTOMATION

- ➤ Creating Jobs
- ➤ Schedules
- ➤ Viewing Job History

SECURITY

- ➤ Authentication
- ➤ Types in SQL Server
- ➤ Types of Login
- ➤ Windows Login
- ➤ SQL Login
- ➤ Creating Users and Logins
- ➤ Server Roles
- ➤ Password policy
- ➤ Understanding Database and Server Roles
- ➤ Permissions
- ➤ Working on access level issues
- ➤ Orphan users
- ➤ Finding and Fixing Important Queries

MIGRATION

- ➤ Situations
- ➤ Steps in Migrations
- ➤ Migrating System Databases
- ➤ Migrating to other RDBMS

UPGRADATION

- Types of Up gradation
- Planning for up gradation
- Upgrade Advisor

HIGH AVAILABILITY

- LOGSHIPPING
- Configuring log shipping
- Failover Process

Database Mirroring

- Working with Database Mirroring
- Terminology
- Prerequisites to implement Mirroring
- Pre check mirroring ports
- ENABLED or DISABLED Architecture Operating Modes
- Differences between Modes Port numbers involved in Mirroring
- Requirements for Mirroring
- Configuring Mirroring
- Mirroring Failover
- Issues on Mirroring

REPLICATION

- Working with Replication
- Terminology
- Prerequisites to implement to Replication
- Types of Replications
- DISTRIBUTOR Database
- Agents involved in Replication
- Configuring Replication
- Resolving Issues

CLUSTERING

- Introduction about clustering

- ➢ Clustering Architecture
- ➢ Importance of IP's involved in Clustering
- ➢ SAN importance
- ➢ Drive dependency
- ➢ Nodes in Clustering
- ➢ Important commands

Monitoring Tools

- ➢ System Monitor
- ➢ SQL Server
- ➢ Profiler SQL Server
- ➢ Windows Error Logs

DATA BASE PERFORMANCE TUNING

- ➢ Locks
- ➢ Isolations levels
- ➢ Blocking
- ➢ Deadlocks
- ➢ Performance Monitor
- ➢ Profiler
- ➢ Execution plans
- ➢ Indexes
- ➢ DBCC And DMV's

Managing The SQL Server And Databases

- ➢ Starting SQL Server in Single user mode
- ➢ Changing the Default path of Database files
- ➢ Modifying the Logical and Physical names of database files

➕ Prerequisites:
- • Basic knowledge of SQL and database is enough

Who Can attend:
- Software and IT professionals.
- SQL Developers.
- Software/Hardware Experts.
- DBAs.
- Those who are aspiring for a career in SQL Server management.

Number of Hours: 40hrs

Certification: None

Key Features:
- One to One Training
- Online Training
- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification