



100% PRACTICAL | REALTIME PROJECTS
JOB ASSISTANCE | 1:1 MENTORSHIP

SQL DBA with AZURE

Learn. Practice. Build Your Career in Cloud.

- ✓ SQL Server Administration
- ✓ Database Design & Optimization
- ✓ Backup, Recovery & High Availability
- ✓ Azure SQL Database & Managed Instance
- ✓ Security, Monitoring & Performance Tuning
- ✓ Real-time Projects & Interview Preparation

 Azure SQL Database
 Azure SQL Managed Instance
 Azure Synapse Analytics
 Azure Data Lake Storage
 Azure Data Factory

 20+ YEARS OF TRUST
 HIGH DEMAND CAREER
 1:1 LIVE MENTORSHIP
 CERTIFICATION GUIDANCE
 JOB ASSISTANCE & MOCK INTERVIEWS

 Book Your FREE Demo Class Today!
+91 99514 40801
www.sqlschool.com

Become a SQL DBA with Azure & AI

This comprehensive training program is designed to transform beginners and working professionals into industry-ready **Database Administration with Azure Cloud expertise**. The course combines Database Administration, Azure SQL Database, High Availability & Disaster Recovery, Performance Tuning, Database Security, Cloud Migration, AI-powered administration, and real-time enterprise projects.

What You'll Learn

- ✓ End-to-End Database Administration Projects
- ✓ Azure SQL Database & Cloud Administration
- ✓ Performance Tuning & Troubleshooting
- ✓ Backup, Restore & Disaster Recovery
- ✓ High Availability (Replication, Log Shipping, Always On)
- ✓ Migrations, Upgrades
- ✓ Realtime Issues, Solutions
- ✓ Cloud Management
- ✓ Job ready Activities and Process Integration, more.. !

Training Highlights

- ✓ 100% Practical Hands-on Sessions
- ✓ Daily Assignments & Practice Exercises
- ✓ Security, Auditing & Compliance
- ✓ Mock Interviews with MNC Interview Questions
- ✓ DP-300 Certification Guidance
- ✓ Lifetime Career Support

For Free Demo, Latest Schedules, call us on +91 9666 44 0801 or visit www.sqlschool.com/register

Who Should Join?

- Developers
- Infrastructure Engineers
- IT Support Professionals
- Freshers aspiring to become DBAs
- Working professionals looking to transition into Cloud Database Administration

Career Opportunities

After completing this Course & Project Work, you can apply for:

- SQL Database Administrator
- Azure SQL DBA
- Production DBA

How to become a DBA?

Module 1: SQL Server Concepts & Architecture

Module 2: Core SQL DBA

Module 3: Azure SQL DBA

Module 4: Real-Time Project

Detailed Course Content

Module 1: SQL Server Concepts & Architecture

Ch 1: SQL Database Job Roles

- ✓ Introduction to Databases
- ✓ DBA Job Roles
- ✓ Routine DBA Activities
- ✓ Emergency DBA Activities
- ✓ SQL DBA Job Scope, Job Growth

Ch 2: Database Intro & Installations

- ✓ SQL Server Installations
- ✓ Instance & Collations
- ✓ SSMS Tool Installation
- ✓ Connections, Authentications
- ✓ Common Installation Issues

Ch 3: SQL Basics

- ✓ SQL Basics (DDL, DML, etc.)
- ✓ Creating Databases, Tables
- ✓ Data Inserts (GUI, SQL)
- ✓ Basic SELECT Queries
- ✓ Excel Data Imports

Ch 4: Schemas & Batches

- ✓ Schemas & Table Grouping
- ✓ Real-world Banking Database

For Free Demo, Latest Schedules, call us on +91 9666 44 0801 or visit www.sqlschool.com/register

- ✓ 2 Part, 3 Part & 4 Part Naming
- ✓ Batch Concept & “Go” Command

Ch 5: Constraints & Joins

- ✓ Null, Not Null Constraints
- ✓ Unique Key & Check
- ✓ Primary Key Constraint
- ✓ Foreign Keys, Default
- ✓ Inner Joins & Matching Data
- ✓ Outer Joins: LEFT, RIGHT
- ✓ Full Outer Joins & Aliases

Ch 6: Database Objects

- ✓ Views: Realtime Usage
- ✓ Row Level Security (RLS)
- ✓ Important System Views
- ✓ Stored Procedures: Realtime Use
- ✓ Parameters Concept with SPs

Ch 7: Transactions & ACID

- ✓ Auto Commit Transaction
- ✓ Explicit Transactions
- ✓ COMMIT, ROLLBACK
- ✓ Checkpoint & Query Blocking
- ✓ READPAST, LOCKHINT

Ch 8: Linked Servers

- ✓ SQL Server Instances
- ✓ Linked Server: Creation
- ✓ Linked Server: Testing
- ✓ Scripting Linked Servers
- ✓ Realtime Usage
- ✓ Remote DB Access

Ch 9: Server Architecture

- ✓ Database Engine Components
- ✓ Parser, Compiler & Optimizer
- ✓ Protocols and Query Processing
- ✓ MDAC and CLR Components
- ✓ Parsing and Compilation
- ✓ Memory Manager & IO Managers
- ✓ SQL OS Components, MDAC

Ch 10: DB Architecture (VLDB)

- ✓ Planning Large Databases
- ✓ Primary, Secondary Data Files
- ✓ Filegroups, Spacing and Sizing

- ✓ Log File: Usage and Precautions
- ✓ Creating Tables with Filegroups
- ✓ Pages and Extents for Storage
- ✓ VLF, MiniLSN & Checkpoint

Module 2: Core SQL DBA

Ch 11: Backups

- ✓ Database Backups & Types
- ✓ DB, Filegroup, File Backups
- ✓ Copy Only Backups, Usage
- ✓ Partial Backups, Split Backups
- ✓ Mirror Backups, Verifications
- ✓ Checksum, ContinueOnError

Ch 12: Restores

- ✓ DB, Filegroups, File Restores
- ✓ GUI Restores: Limitations
- ✓ Restoring & Online States
- ✓ FILELISTONLY
- ✓ MOVE Options with Restores
- ✓ Standby Mode Restores
- ✓ Point-In-Time (PITR) Restores

Ch 13: Jobs, Maintenance Plans

- ✓ SQL Server Agent Service
- ✓ Job Steps & Schedules
- ✓ DB Maintenance Plans
- ✓ Backup Maintenance
- ✓ Common Errors, Solutions

Ch 14: Database Mail

- ✓ DB Mail
- ✓ SMTP, Email Profile
- ✓ Alert System: Agent Settings
- ✓ Operators, Job Notifications
- ✓ Email Connections, Tests

Ch 15: Security Management - 1

- ✓ Security Objects, Logins
- ✓ Users, Roles & Principals
- ✓ Schema Level Security
- ✓ Object, Column Level Security
- ✓ Security Audit, Logon Failures

Ch 16: Security Management - 2

- ✓ Keys & Certificates
- ✓ Encryptions & Data Security

- ✓ Master Key
- ✓ Certificates & Subject
- ✓ Password Encryptions

Ch 17: DB Migrations

- ✓ Credentials, SSIS Proxies
- ✓ CDW Packages
- ✓ Database Detach – Attach
- ✓ SMO Migration Method
- ✓ DB Migration Schedules
- ✓ Detect, Fix Orphan Users

Ch 18: Tuning: Audits, AM Tool

- ✓ Activity Monitor Tool
- ✓ Perfmon Tool & Counters
- ✓ Query Audits: DMVs, DMFs
- ✓ Plan Handle, Execution Time
- ✓ Long Running Queries
- ✓ Query Store & Data Flush

Ch 19: Tuning: Indexes

- ✓ Indexes: Sort Locations
- ✓ Clustered & Online Indexes
- ✓ Non Clustered, Column Store
- ✓ Included Indexes in Realtime
- ✓ Covering Index & Selectivity
- ✓ Indexed Views (Materialized)

Ch 20: Tuning: Partitions

- ✓ Partitions: Performance Tuning
- ✓ Partition Functions & Schemes
- ✓ Partition Un-partitioned Tables
- ✓ Compressions: ROW, PAGE
- ✓ Partitions Limitations in OLTP
- ✓ Partitions with DWH

Ch 21: Statistics & Tuning

- ✓ Statistics: Realtime Usage
- ✓ Index & Column Statistics
- ✓ Statistics & Key Purpose
- ✓ Statistics Versus Indexes
- ✓ Stats Updates on Tables
- ✓ Stats Updates on Views

Ch 22: Index Management

- ✓ Index Management Options
- ✓ Index Rebuilds, Re-Organize

- ✓ Database Maintenance Plans
- ✓ Page Count and DOP
- ✓ Resumable & Online Indexes
- ✓ PAUSE, RESUME in Rebuilds

Ch 23: Tuning Tools

- ✓ Tuning Tools: Workload Files
- ✓ Profiler Tuning, Events
- ✓ DTA, Profiler Options
- ✓ Physical Design Structures
- ✓ PDS Recommendations
- ✓ Query Execution Cache
- ✓ Tuning Tools: Precautions

Ch 24: Execution Plans

- ✓ Execution Plan Analysis
- ✓ IO Cost and CPU Cost
- ✓ SubTree & Operator Cost
- ✓ NUMA Nodes, Processor Affinity
- ✓ Thread Count, DOP
- ✓ CTEs & Tuning

Ch 25: Lock Management

- ✓ Open Transactions in Realtime
- ✓ Open Transaction, Blocking
- ✓ LOCKS: Types & Audits
- ✓ S, X, IX, U and MD Locks
- ✓ Sch-M and Sch-S Locks
- ✓ SP_WHO2, SP_LOCK
- ✓ sysprocesses & Lock Waits

Ch 26: Isolation Levels

- ✓ Lock Hints and Isolation Levels
- ✓ Read Committed, Uncommitted
- ✓ Serializable, Repeatable Read
- ✓ Snapshot Isolation, Versioning
- ✓ Read Committed Snapshot
- ✓ sysprocesses & sp_who2
- ✓ Choosing Correct Isolation Level

Ch 27: Deadlocks, LIVE Locks

- ✓ Deadlocks in Real-world
- ✓ Profiler Tool & Deadlocks
- ✓ Lock Management: Deadlocks
- ✓ Deadlock Graphs & Events
- ✓ Deadlock Avoidance, Prevention
- ✓ Deadlock Prevention
- ✓ sysprocesses & sp_who2

Ch 28: Recovery Models

- ✓ Recovery Models
- ✓ Database Properties
- ✓ Full Recovery Model
- ✓ Simple & Bulk Logged
- ✓ Realtime Uses
- ✓ Backups Versus Recovery Models

Ch 29: HA DR @ Replication - 1

- ✓ Replication: Realtime Usage
- ✓ Distributor Configurations
- ✓ Publisher and Subscriber
- ✓ Snapshot, Transactional
- ✓ Replication Monitor, Alerts

Ch 30: HA DR @ Replication - 2

- ✓ Merge Replication & Usage
- ✓ Subscription Options
- ✓ Push & Pull Subscriptions
- ✓ Scripting Replication Agents
- ✓ Limitations with Replication

Ch 31: HA DR @ Replication - 3

- ✓ Peer – Peer Replication
- ✓ Peer Originator Nodes
- ✓ Conflict Detection, Avoidance
- ✓ Scripting Replication Agents
- ✓ Common Errors, Solutions

Ch 32: HA DR @ Log Shipping

- ✓ Log Shipping Configurations
- ✓ Primary, Secondary Servers
- ✓ Working with Network Shares
- ✓ Jobs: Backup, Copy, Restore
- ✓ NORECOVERY, STANDBY
- ✓ Manual Failover Process
- ✓ Common Errors, Solutions

Ch 33: HA DR @ DB Mirroring

- ✓ Database Mirroring Concepts
- ✓ Configuring Principal, Mirror
- ✓ Configure Witness, EndPoint
- ✓ Synchronous, Asynchronous
- ✓ Automated Failover Process
- ✓ Manual Failover, Monitoring
- ✓ Common Errors, Solutions

Ch 34: DB Health Checks, Repairs

- ✓ DBCC Commands in Realtime
- ✓ DBCC for Audits, Repairs
- ✓ MSDB Suspect Pages
- ✓ User Database Repairs
- ✓ Single User Mode
- ✓ Emergency Mode
- ✓ Recovery & Restoring Modes

Ch 35: Issues & Solutions

- ✓ Log Space Issues, Solutions
- ✓ TempDB Issues, Solutions
- ✓ Memory Issues, Solutions
- ✓ Health Check Strategies
- ✓ Maintenance Plans
- ✓ Database States

Ch 36: Updates & Upgrades

- ✓ Updates Process
- ✓ RTM, SP, CU (Cumulative Updates)
- ✓ Upgrades Process (In-Place)
- ✓ Cautions & Maintenance
- ✓ Rollbacks

Ch 37: System DB Rebuilds, DAC

- ✓ Command Line Installations
- ✓ System DB Rebuilds
- ✓ Server Down Issues
- ✓ Service Startup Issues
- ✓ DAC: Dedicated Admin Console
- ✓ Login Failure Issues
- ✓ SQL CMD: Secondary Logins

Ch 38: SQL DBA, SLA & OLA Process

- ✓ SLA – OLA Process
- ✓ Ticketing Tools
- ✓ 3rd Party Tools
- ✓ Incident Management

Ch 39: SQL DBA Project – Phase 1 (Enterprise SQL Server Database Administration)

- ✓ Routine DBA Activities
- ✓ Emergency DBA Activities
- ✓ Maintenance DBA Activities
- ✓ Auditing Techniques
- ✓ RCA (Root Cause Analysis)

Ch 40: SQL DBA Project – Phase 2 (Enterprise SQL Server Database Administration)

- ✓ Login Failure Errors
- ✓ Slow Database Issues
- ✓ Network Errors
- ✓ Security Strategies
- ✓ HA DR Strategies
- ✓ Common Error Codes
- ✓ Need for Azure Cloud

Module 3: Azure SQL DBA

Ch 41: Cloud Basics, Azure Funda

- ✓ Cloud Fundamentals
- ✓ IaaS, PaaS, SaaS Cloud Types
- ✓ Azure Resources & Usage
- ✓ Azure Services & Purpose
- ✓ Azure Account & Subscription

Ch 42: Azure SQL Deployments

- ✓ Azure SQL Server Creation
- ✓ Azure SQL Databases
- ✓ Azure Firewall: Rules
- ✓ Test Connections from SSMS
- ✓ SSMS Tool: Test Connections
- ✓ ADS Tool: Installation, use

Ch 43: Azure SQL DB Licensing

- ✓ Azure SQL DB Licensing
- ✓ Per Database Licensing
- ✓ DTUs: Basic, Standard Types
- ✓ VPU and Plan Types
- ✓ DTU Versus VPU Licensing

Ch 44: Elastic Pools

- ✓ Creating Elastic Pools
- ✓ Elastic DTUs (eDTU) Usage
- ✓ Elastic Query Processing
- ✓ Per Database Allocations
- ✓ Cost Optimizations

Ch 45: Azure Storage Account

- ✓ Azure Storage Account
- ✓ Azure Data Lake Storage Account
- ✓ Hierarchical Name Space (HNS)
- ✓ Storage Containers
- ✓ File Uploads

Ch 46: Azure SQL DB Migrations

- ✓ SQL DB Migration Options
- ✓ Data Migration Assistant: DMA
- ✓ DMA Tool, Migration Options
- ✓ On-Premises DB Export
- ✓ Azure SQL Database Import

Ch 47: Azure SQL DB Tuning - 1

- ✓ Server Level Tuning
- ✓ Database Level Tuning
- ✓ Built-In Intelligence
- ✓ Index Options
- ✓ Index Hints

Ch 48: Azure SQL DB Tuning - 2

- ✓ Using Azure AI
- ✓ AI Search Service
- ✓ AI Indexes, Practical Use
- ✓ Watermark Columns
- ✓ Index Refresh Options

Ch 49: Azure SQL DB Metrics

- ✓ Azure SQL DB Metrics
- ✓ CPU, Memory, Log Metrics
- ✓ Data File Metrics, Alerts
- ✓ Action Groups & Emails
- ✓ Query Recommendations

Ch 50: Azure SQL DB Backups

- ✓ Azure SQL DB Backups
- ✓ Backup Retention Options
- ✓ LTR Backups, Log Backups
- ✓ Automated Backups
- ✓ Backup Configurations
- ✓ Backup History

Ch 51: Azure SQL DB Restores

- ✓ Azure SQL DB Restores
- ✓ LTR Restores
- ✓ PITR Restores
- ✓ Server Level Restores
- ✓ Database Level Restores

Ch 52: HA DR @ Replication

- ✓ Geo Replication
- ✓ Primary & Secondary
- ✓ Manual Failover
- ✓ Automated Failover

- ✓ DMVs For Replication
- ✓ Testing Read Only Databases

Ch 53: HA DR @ Server Failover

- ✓ Multi Database Replication
- ✓ Configure Server HADR
- ✓ Adding Replica Databases
- ✓ Replica DB: Status
- ✓ Automated Failover

Ch 54: Azure Security - 1

- ✓ Azure SQL Server Security
- ✓ Creating Logins & Users
- ✓ Grant, With Grant
- ✓ Database Roles & Security
- ✓ Schema Level Security

Ch 55: Azure Security - 2

- ✓ Row Level Security (RLS)
- ✓ Predicate Function
- ✓ Dynamic RLS
- ✓ Security Functions
- ✓ Dynamic Data Masking
- ✓ Email and Phone Number Masking

Ch 56: Azure Security - 3

- ✓ Azure AD Users
- ✓ AD Principals
- ✓ IAM Concepts
- ✓ Implementing RBAC
- ✓ MFA Authentication

Ch 57: Azure Virtual Machines

- ✓ Azure IaaS Implementation
- ✓ Configure Disk, Network
- ✓ CPU, Processor & IO
- ✓ IP & RDP Connections
- ✓ Migrating SQL 2025 to VM

Ch 58: Azure VM Clusters

- ✓ Azure Active Directory
- ✓ Azure AD DS Services
- ✓ Availability Groups, Usage
- ✓ Listeners and Realtime Use
- ✓ FSW: File Share Witness

Ch 59: SQL Server Clusters

- ✓ Creating SQL Clusters
- ✓ Cluster Nodes
- ✓ Master Node
- ✓ Cluster Components
- ✓ Testing SQL Clusters

Ch 60: Always-On

- ✓ Configure Always-On
- ✓ Testing, Using Always-On
- ✓ AOAG Implementation
- ✓ AOAG Monitoring
- ✓ Comparing Paas & IaaS

Ch 61: PowerShell

- ✓ Azure PowerShell
- ✓ Az and get Commands
- ✓ Creating Resources
- ✓ Password Resets
- ✓ Firewall Config
- ✓ Resource Cleanups

Ch 62: Azure Managed Instance

- ✓ Azure MI Implementation
- ✓ Cloud Azure MI Access
- ✓ Azure MI Implementation
- ✓ Azure MI Migrations
- ✓ On-Premises Versus Azure

Ch 63: SQL DBA Exam

- ✓ DP 300 Exam Guidance
- ✓ Exam Prep. Guide
- ✓ Exam Dumps
- ✓ Exam Mocks

Module 4: Real-Time Project For Enterprise SQL Server DBA

- ✓ Azure Cloud Migrations
- ✓ Azure Cloud Management
- ✓ Troubleshooting
- ✓ Routine SQL DBA Activities
- ✓ Maintenance DBA Activities
- ✓ Performance Tuning
- ✓ Azure Cloud (IaaS) Clusters
- ✓ Always-On, HADR & Tuning

BONUS Module: Career Guidance

- ✓ 1:1 Profile Discussion
- ✓ Resume Guidance
- ✓ Resume Optimization
- ✓ Mock Interviews
- ✓ Placement Assistance

In this entire DBA course:

Students will learn, build confidence on **backup/recovery plan + PITR evidence + performance-tuning report + HA/DR configuration + monitoring dashboard + troubleshooting tickets + RCA documents + final project solution.**

Don't Just Learn Admin Concepts. Manage It Like a Production DBA.

BUILD REAL SKILLS. WORK ON REAL PROJECTS. BECOME JOB READY.



🚀 Ready to Become an Expert?

✓ Join Our Next Batch. Reach us today!

📞 Call/WhatsApp: +91 9951440801

🌐 Course Details: <https://sqlschool.com/sql-dba-training/>

For Free Demo, Latest Schedules, call us on +91 9666 44 0801 or visit www.sqlschool.com/register