



SQL DBA with Azure

Thank you for contacting our **SQL School**. I am **Mr. Sai Phanindra**, trainer for this **SQL DBA with Azure** Course. With 19+ Years of technical expertise exclusively on SQL & Database Technologies, I assure you 100% Practical, Step by Step Classes for this DBA course. My Profile @ <https://www.linkedin.com/in/saiphanindra/>

What is SQL DBA Job Role?

Database Administrator (DBA) is responsible for Managing and Monitoring Databases in On-Premise (Non-Cloud) as well as in Azure (Cloud). This involves Tuning, Security, Migrations, Disaster Recovery, Repairs, Cloud Migrations and many more.!

What are the benefits of this SQL DBA Course?

This SQL DBA Training with Azure is very detailed, step by step and useful course for aspiring Database Administrators. Concept wise Examples, Interview FAQs & Answers. We make you Job Ready with on-time practice and timely assignment submissions.

This course also includes complete guidance for Microsoft Certification Exam: **DP 300**

Module 1: Core SQL DBA

In this module, we start with detailed step by Step Database Fundamentals, SQL Concepts, TSQL Queries useful for Routine SQL DBA Activities Like Audits. In this module, we also learn Backups, Restores, Jobs, Maintenance Plans, Health Checks, Repairs, DB Mail, HA DR Concepts including Replication, Log Shipping, DB Mirroring and more ...!

These concepts will be surely sufficient to proceed for our next module: **Azure SQL DBA**.

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We are Training Vendors for
accenture ADP iMmobile Mindtree
HCL Infotech Tech Mahindra PRIMARY

SQL DBA with AI

Course Includes:

- MSSQL
- Core SQL DBA
- Adv. SQL DBA
- Azure SQL
- Azure SQL DBA
- Azure AI
- DP 300 Exam

- ✓ 19+ Years of Trust
- ✓ Step by Step Trainings
- ✓ Practical, Interactive
- ✓ Real-time Project
- ✓ Project FAQs
- ✓ Concept FAQs
- ✓ 1 - 1 Resume

Call for Free Demo
Mr. Sai Phanindra
19+ Years of Experience



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#202, Sai Anu Avenue, Patrika Nagar, Hitech City, Hyd, India.

Module 2: Azure SQL DBA


In this module, we practically learn & implement Azure PaaS, Azure IaaS, Azure SQL DB Migrations, Azure SQL DB Deployments, Azure Tuning, issues & Troubleshooting, Security, Power Shell, Azure Virtual Machines, Azure OS Clusters, Azure Always On and more.

This module includes one **Realtime Project, DP 300 Exam Guidance** for your resume in **Ecommerce Domain**.

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Azure SQL DBA



| Course Highlights | |
|---|---|
| Azure PaaS | Azure IaaS |
| <ul style="list-style-type: none">Azure SQL DB MigrationsAzure Licensing & PricingAzure Alerts & MetricsHA DR & FailoverGeo ReplicationServer FailoverData Sync, PaaSPBM, RBAC | <ul style="list-style-type: none">Azure VMAzure NetworksAzure Always-OnAzure SQL ServerSecurity AD (Entra)Azure Power ShellManaged InstanceDP 300 Guidance |

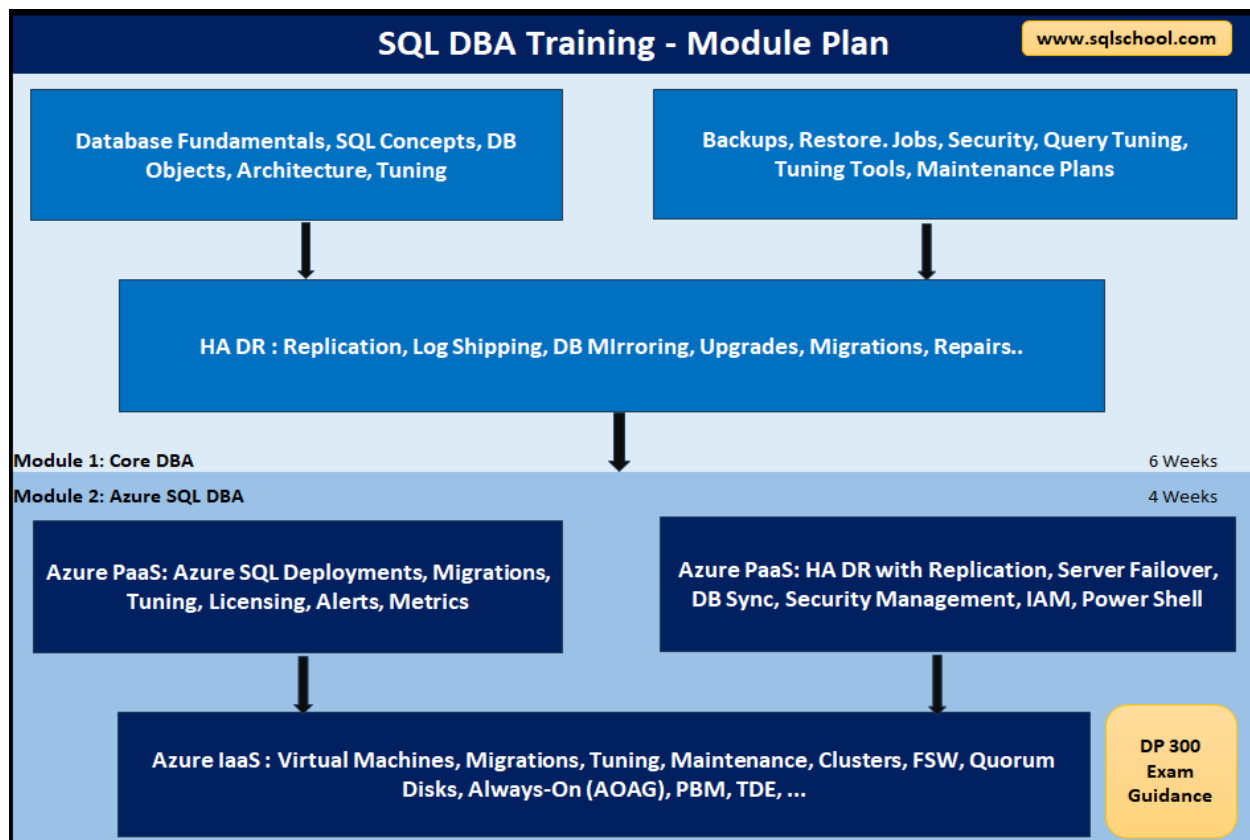
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www.sqlschool.com | **Ph : +91 9666 44 0801**

Who can join this course?

Anyone. There are NO Pre-requisites for this course. We start the classes from scratch, right from Basics.

What about the Lab? What are the System Requirements?

Window OS; 6 GB RAM; Any Processor. We shall guide you for Software Installation, Practice.



For Free Demo, Latest Schedules, call us on +91 9666640801 or visit www.sqlschool.com/register

Training Options (Plans):

| | Modules | Chapters Included | Duration | Applicable For |
|----------------|-------------------------------------|-------------------|----------|-------------------------------------|
| SQL DBA Plan A | 1.Core SQL DBA | Chapters 1 to 30 | 6 Weeks | Applicable for Staters |
| SQL DBA Plan B | 1. Core SQL DBA 2. Azure SQL DBA | Chapters 1 to 45 | 9 Weeks | Applicable for Staters, Experienced |

- Every session is Practical, Step by Step with Concept wise FAQs!!
- 100% results with on-time practice. Daily Tasks for every session.
- Concept wise tasks be submitted before next class for Job Waiters / Starters.
- Concept wise tasks due for submission by Weekends for Working Professionals.

SQL DBA Training : Detailed Course Curriculum

Module 1: Core SQL DBA

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| Ch 1: Introduction <ul style="list-style-type: none">✓ Database Intro & DB Types✓ SQL Server Advantages✓ Version, Editions of MSSQL✓ SQL DBA Job Roles✓ Routine DBA Tasks✓ Emergency DBA Tasks✓ Maintenance DBA Tasks | Ch 2: Installations <ul style="list-style-type: none">✓ SQL Server 2019, 2017✓ SSMS Tools Installation✓ Database Engine (OLTP)✓ SCC, Configuration Tools✓ Instance Types, Uses✓ Authentication Modes✓ Collation, File Stream | Ch 3: SQL Basics - 1 <ul style="list-style-type: none">✓ Need for Databases, Tables✓ Need for SQL Commands✓ DDL, DML & DQL Statements✓ Database Creation @ GUI✓ Data Operations @ GUI✓ Session ID, SQL Context✓ DB, Tables, Data @ SQL |
| Ch 4: SQL Basics - 2 <ul style="list-style-type: none">✓ DDL Variants in MSSQL✓ DML Variants in MSSQL✓ INSERT & INSERT INTO✓ SELECT & SELECT INTO✓ Basic Operators in SQL✓ Special Operators in MSSQL✓ ALTER, ADD, TRUNCATE, DROP | Ch 5: Data Imports, Schemas <ul style="list-style-type: none">✓ Data Imports with Excel✓ ORDER BY & UNION✓ UNION ALL For Sorting Data✓ Creating, Using Schemas✓ Real-world Banking Database✓ Table Migrations @ Schemas✓ 2 Part, 3 Part & 4 Part Naming | Ch 6: Constraints, Index Basics <ul style="list-style-type: none">✓ Need for Constraints, Keys✓ NULL, NOT NULL, UNIQUE✓ Primary Key & Foreign Key✓ RDBMS and ER Models✓ Identity Property, Default✓ Clustered Index, Primary Key✓ Non-Clustered Index, Unique |

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| Ch 7: Joins & Views Basics <ul style="list-style-type: none"> ✓ JOINS: Purpose, Inner Joins ✓ Left / Right / Full Outer Joins ✓ Cross Joins, Query Tuning ✓ Creating & Using Views ✓ DML, SELECT with Views ✓ RLS: WITH CHECK OPTION ✓ System Views & Metadata | Ch 8: Functions (UDF), Data Types <ul style="list-style-type: none"> ✓ Using Functions in MSSQL ✓ Scalar Value Functions ✓ Inline & Multiline Functions ✓ Date & Time Functions ✓ String, Aggregate Functions ✓ Data Types: Integer, Char, Bit ✓ SQL Variant, Timestamp, Date | Ch 9: Stored Procedures, Models <ul style="list-style-type: none"> ✓ Stored Procedures & Usage ✓ Creating, Testing Procedures ✓ Encryption, Deferred Names ✓ SPs for Validations, Analysis ✓ System SPs, Recompilation ✓ Normal Forms & Types ✓ Data Models, Self-References |
| Ch 10: Triggers, Temp Tables <ul style="list-style-type: none"> ✓ Need for Triggers ✓ DDL & DML Triggers ✓ Using Memory Tables ✓ Data Replication, Automation ✓ Disable / Enable Triggers ✓ Local & Global Temp Tables ✓ Testing & Using Temp Tables ✓ SELECT ... INTO & Bulk Loads | Ch 11: DB Architecture, Locks <ul style="list-style-type: none"> ✓ Planning VLDBs: Files, Sizing ✓ Filegroups, Extents & Types ✓ Log Files: VLF, Mini LSN ✓ Table Location, Performance ✓ Database Scripting Process ✓ Schemas, Transfer, Synonyms ✓ Transactions Types, Lock Hint ✓ Query Blocking Scenarios | Ch 12: Cursors & CTEs, Links <ul style="list-style-type: none"> ✓ Data Types in SQL Server ✓ Cursors: Realtime Use ✓ Fetch & Access Cursor Rows ✓ CTEs for SELECT, DML ✓ CTEs: Scenarios & Tuning ✓ Linked Servers, Remote Joins ✓ Linked Servers: MSDTC, RPC ✓ Tuning Remote Queries |
| Ch 13: Backups <ul style="list-style-type: none"> ✓ Database Backups & Files ✓ Backup Types & Options ✓ DB, Filegroup, File Backups ✓ Copy Only Backups, Usage ✓ Partial Backups, Split Backups ✓ Mirror Backups, Verifications ✓ Checksum, ContinueOnError | Ch 14: Restores <ul style="list-style-type: none"> ✓ DB, Filegroups, File Restores ✓ GUI Restores: Limitations ✓ Partial / Piece-meal Restores ✓ Restoring & Online States ✓ Standby Mode Restores ✓ Point-In-Time (PITR) Restores ✓ FILELISTONLY, MOVE Options | Ch 15: Jobs, Maintenance <ul style="list-style-type: none"> ✓ Jobs & SQL Server Agent ✓ Job Steps & Schedules ✓ Maintenance Plans ✓ Backup Maintenance Options ✓ Job Notifications, Operators ✓ DB Mail Configurations ✓ Common Errors, Solutions |
| Ch 16: Security Management <ul style="list-style-type: none"> ✓ Security Objects Usage ✓ Creating Logins & Users ✓ Creating Roles, Add Principals ✓ Schema Level Security ✓ Object, Column Level Security ✓ Security Management Scripts ✓ Security Audit, Logon Failures | Ch 17: DB Migrations <ul style="list-style-type: none"> ✓ Creating Credentials ✓ Creating Proxies, Realtime Use ✓ Creating CDW Packages ✓ Database Detach – Attach ✓ SMO Migration Method ✓ DB Migration Schedules ✓ Detect, Fix Orphan Users | Ch 18: DB Health Checks, Repairs <ul style="list-style-type: none"> ✓ DBCC Commands in Realtime ✓ DBCC for Audits, Repairs ✓ MSDB Suspect Pages ✓ User Database Repairs ✓ Log Space Issues, Solutions ✓ TempDB Issues, Solutions ✓ Memory Issues, Solutions |
| Ch 19: Query Audits, Perfmon <ul style="list-style-type: none"> ✓ Query Performance Issues ✓ Reasons for Slow Queries ✓ Performance Tuning Options ✓ Performance Tuning Tools ✓ Query Store & History ✓ Activity Monitor, Perfmon | Ch 20: Indexes & Tuning <ul style="list-style-type: none"> ✓ Indexes: Sort Locations ✓ Clustered & Online Indexes ✓ Non-Clustered, Column store ✓ Included Indexes in Realtime ✓ Filtered Indexes & Usage ✓ Covering Index & Selectivity | Ch 21: Partitions, Statistics <ul style="list-style-type: none"> ✓ Partition Implementations ✓ Partition Functions & Schemes ✓ Primary & Secondary Types ✓ Data Archival with Partitions ✓ Compression with Partitions ✓ Statistics: Realtime Use |

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| ✓ DMVs & DMFs for Audits Ch 22: Tuning Tools, Exec Plans ✓ Tuning Tools and Workloads ✓ Profiler Tool: Trace Files ✓ Trace Filters and Rollover ✓ DTA Tool Recommendations ✓ PDS, & Index Size, Index Scan ✓ Execution Plans, Index Seeks ✓ Query Cost Issues, Solutions | ✓ Indexed Views (Materialized) Ch 23: MOT & Temporal Tables ✓ Memory Optimized Tables ✓ Non-Clustered Primary Keys ✓ Stats Updates, Performance ✓ Temporal Tables in Realtime ✓ History Tracking & Testing ✓ Timestamp Columns Usage ✓ Tuning Stored Procedures | ✓ Index, Column Stats, Updates Ch 24: Locks & Isolation Levels ✓ Transactions & Locks ✓ Lock Types & Performance ✓ Lock Management Options ✓ Isolation Levels & TempDB ✓ Snapshots and Performance ✓ Deadlocks Simulations, Graphs ✓ Profiler Tool & LIVE Locks |
| Ch 25: HA DR @ Replication - 1 ✓ Replication: Realtime Usage ✓ Replication Considerations ✓ Distributor Configurations ✓ Publisher and Subscriber ✓ Replication Types: Snapshot ✓ Transactional Replication ✓ Log Reader Agent & Usage ✓ Replication Monitor, Alerts | Ch 26: HA DR @ Replication - 2 ✓ Merge Replication & Usage ✓ Peer – Peer Replication ✓ Peer to Peer Topology ✓ Push & Pull Subscriptions ✓ Conflict Detection, Avoidance ✓ Scripting Replication Agents ✓ Limitations with Replication ✓ Common Errors, Solutions | Ch 27: HA DR @ Log Shipping ✓ Log Shipping Configurations ✓ Primary, Secondary Servers ✓ Monitor Instance Selection ✓ Working with Network Shares ✓ LS Jobs: Backup, Copy, Restore ✓ NORECOVERY, STANDBY ✓ Manual Failover Process ✓ Common Errors, Solutions |
| Ch 28: HA DR @ DB Mirroring ✓ Database Mirroring Concepts ✓ Configuring Principal, Mirror ✓ Configure Witness, End Point ✓ Synchronous, Asynchronous ✓ Automated Failover Process ✓ Manual Failover, Monitoring ✓ Common Errors, Solutions | Ch 29: Updates, Upgrades ✓ Updates, Upgrades Planning ✓ Pre-Maintenance Checklist ✓ Updates Process, Verifications ✓ Upgrade Process, Verifications ✓ History Tracking & Testing ✓ System Database Rebuilds ✓ DAC: Dedicated Admin Console | Ch 30: SQL DBA Project Phase ✓ Routine DBA Activities ✓ Emergency DBA Activities ✓ Maintenance DBA Activities ✓ SLA – OLA Process ✓ Ticketing Tools ✓ 3 rd Party Tools ✓ Common Errors & Solutions |

Module 2: Azure SQL DBA

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| Ch 31: Cloud Basics, Azure Funda ✓ Cloud Fundamentals ✓ Cloud Concepts, Benefits ✓ IaaS, PaaS, SaaS Cloud Types ✓ Azure Cloud Concepts ✓ Azure Resources & Usage ✓ Azure Services & Purpose ✓ Azure Account & Subscription | Ch 32: Azure SQL Database ✓ Azure SQL Services ✓ Azure SQL Server Creation ✓ Azure SQL Databases ✓ Azure Firewall: Rules ✓ Test Connections from SSMS ✓ SSMS Tool: Test Connections ✓ ADS Tool: Installation, use | Ch 33: Azure SQL DB Migrations ✓ SQL DB Migration Options ✓ Data Migration Assistant: DMA ✓ DMA Tool, Migration Options ✓ On-Premises DB Export ✓ Azure SQL Database Import ✓ Azure Storage Account ✓ Linking SSMS with Azure |
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| Ch 34: Azure SQL DB Licensing <ul style="list-style-type: none"> ✓ Azure SQL DB Licensing ✓ Per Database Licensing ✓ DTUs: Basic, Standard Types ✓ VPU and Plan Types ✓ DTU Versus VPU Licensing ✓ Elastic DTUs (eDTU) Usage ✓ Elastic Query Processing | Ch 35: Azure SQL DB Metrics <ul style="list-style-type: none"> ✓ Azure SQL DB Metrics ✓ CPU, Memory, Log Metrics ✓ Data File Metrics, Alerts ✓ Action Groups & Emails ✓ Query Performance Insight ✓ Automated Tuning Options ✓ Query Recommendations | Ch 36: Azure SQL DB Tuning, AI <ul style="list-style-type: none"> ✓ Automated Tuning Options ✓ Manual Tuning Options ✓ Server Level Tuning ✓ Database Level Tuning ✓ AI Search Service, Tuning ✓ AI Indexes and Practical Use ✓ Watermark Columns, Updates |
| Ch 37: Azure SQL DB Tuning, AI <ul style="list-style-type: none"> ✓ Azure Backups & Restores ✓ Automated Backups ✓ Backup Retention Options ✓ LTR, PITR & Differential ✓ Backup Audits from Portal ✓ Restores from SQL Server ✓ Restores from Azure Portal ✓ PITR Restores | Ch 38: Azure HA DR <ul style="list-style-type: none"> ✓ Azure HA DR Mechanisms ✓ Geo Replication ✓ Server Failover ✓ Primary & Secondary ✓ Manual Failover ✓ Automated Failover ✓ Multi Database Replication ✓ Data Sync with Hub, Agent | Ch 39: Azure Security <ul style="list-style-type: none"> ✓ Azure SQL DB Security ✓ Logins & Users in master ✓ Logins & Users in SQL DB ✓ Role Based Security ✓ RLS & Users without Logins ✓ Dynamic Data Masking ✓ Creating AD Users & IAM ✓ Implementing RBAC |
| Ch 40: Azure PaaS & Azure IaaS <ul style="list-style-type: none"> ✓ Azure PaaS: Operations ✓ Azure PaaS: Limitations ✓ Azure IaaS: Advantages ✓ Azure IaaS Components ✓ Azure Virtual Machines ✓ Capacity & Networking ✓ Disk & Memory Config. | Ch 41: Azure IaaS Concepts <ul style="list-style-type: none"> ✓ Azure Virtual Machines ✓ SQL Server with Azure VM ✓ Access Azure VM from SSMS ✓ Migrations from PaaS ✓ Migrations from On-Premise ✓ Azure Data Studio, VMs ✓ Comparing SSMS & ADS Tool | Ch 42: Azure VM <ul style="list-style-type: none"> ✓ Azure IaaS Implementation ✓ Configure Disk, Network ✓ Configure SQL Security ✓ CPU, Processor & IO ✓ IP & RDP Connections ✓ Testing SSMS Connections ✓ Migrating SQL DB to VM |
| Ch 43: Azure Clusters <ul style="list-style-type: none"> ✓ Azure Active Directory ✓ Azure AD DS Services ✓ Azure Networking Options ✓ Availability Groups, Usage ✓ Listeners and Realtime Use ✓ FSW: File Share Witness ✓ Azure Paas: Limitations | Ch 44: SQL Clusters, Always-On <ul style="list-style-type: none"> ✓ Creating SQL Clusters ✓ Testing SQL Clusters ✓ Configure Always-On ✓ Testing, Using Always-On ✓ AOAG Implementation ✓ AOAG Monitoring Options ✓ Comparing Paas & IaaS | Ch 45: DP 300 Exam Guidance <ul style="list-style-type: none"> ✓ PBM: Policy Management ✓ Scripting Operations ✓ Database Configurations ✓ Server Configurations ✓ Examination Pattern ✓ Sample Questions, Answers ✓ Latest Samples |

This SQL DBA Course is 100% Practical, Step by Step. Reach us now !

contact@sqlschool.com

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All sessions are practical, step by step. Kindly ensure on-time practice for best results.

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- ✓ Mock Interviews, Job Assistance, more .. !

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👤 **Location:** <https://maps.app.goo.gl/ZVfPGpVy7n8jGmcR9>

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| | |
|-----------|----------|
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Trending Job Roles

- Data Analyst
- Data Engineer
- Data Architect
- Data Scientist
- Developer, more .. !

Training Highlights

- ✓ Step by Step
- ✓ LIVE Project(s)
- ✓ Job Assistance
- ✓ Resume Guidance
- ✓ Concept wise FAQs

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All the best!

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