



ETL Admin

Hi!

Thank you for contacting our **SQL School**. I am **Mr. Sai Phanindra**, trainer for this **ETL Admin** 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 ETL Admin Job Role?

ETL Stands for **Extract, Transfer and Load**.

It refers to Data Extraction from various sources of data (Apps, Files, Databases, Forms, IoT Devices, etc..), Transformation or data mashup operations and Big Data Loads.

What are the Job Roles of an ETL Admin?

1. Managing Big Data & ETL
2. Managing IAM [Identity & Access Management]
3. Managing Data Warehouse (DWH) Databases
4. Secure & Optimize Data Warehouse (DWH)
5. Orchestrate the Data Flow
6. Data Governance, Policy Management and more ...!

What does our ETL Admin Training course contains?

Module 1	Core SQL DBA	Chapters 1 to 30
Module 2	Azure DBA	Chapters 31 to 45
Module 3	Azure Data Engineering (ETL, DWH Admin)	Chapters 46 to 74
Total Duration		16 Weeks

Who can join this course?

Anyone can join this course. Preferably for folks who wanted to show some technical expertise in their resume.

Training Modes:

Option 1: **LIVE Online Training** (100% Interactive, step by step, assignments)

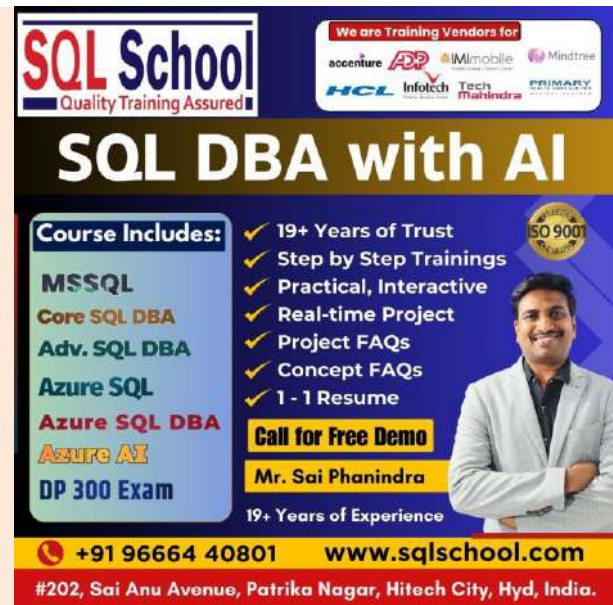
Option 2: **Self-Paced Videos** (100% practical, step by step with concept wise assignments)

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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**.



SQL School
Quality Training Assured

We are Training Vendors for:
accenture ADP Wipro 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

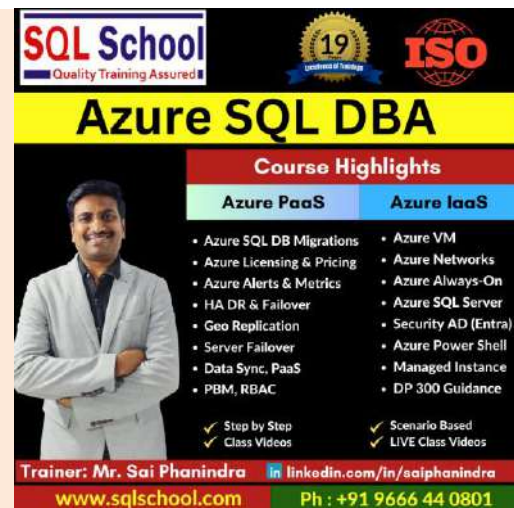
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19+ Years of Experience

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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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Quality Training Assured

19 Years of Training
ISO 9001

Azure SQL DBA

Course Highlights

Azure PaaS	Azure IaaS
<ul style="list-style-type: none">• Azure SQL DB Migrations• Azure Licensing & Pricing• Azure Alerts & Metrics• HA DR & Failover• Geo Replication• Server Failover• Data Sync, PaaS• PBM, RBAC	<ul style="list-style-type: none">• Azure VM• Azure Networks• Azure Always-On• Azure SQL Server• Security AD (Entra)• Azure Power Shell• Managed Instance• DP 300 Guidance

✓ Step by Step Class Videos
✓ Scenario Based LIVE Class Videos

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Module 3: ETL, DWH Admin with Azure

In this course, we practically learn & implement ETL, ELT, DWH, ADF, Databricks, Data Lake, Python ETL, PySpark, Scala, Stream Analytics, IoT, Log Apps, Azure Functions, Azure Big Data, Azure Functions and more with Medallion Architecture. This course includes various structured and unstructured data sources to implement Upserts, SCD, CDC and more Big Data Techniques ...!

This module includes one **Realtime Project** For your resume in **Ecommerce Domain**



Azure Data Engineering 19+ Years Of TRUST
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100% Real-Time, Job Oriented Trainings

- Azure Fundamentals
- ETL & DWH Concepts
- Azure SQL Database
- Azure Data Factory
- Azure Synapse Analytics
- Azure SQL Pools
- Azure Data Lake (ADLS)
- Azure Databricks
- Azure Stream Analytics
- Azure IoT, Medallion
- Python, PySpark, SCD
- Scala, Spark SQL, Merge
- End to End Integrations
- Resume, LIVE Project

✓ Step by Step Class Videos
✓ Scenario Based Realtime Project
✓ LIVE Class Videos

LIVE Online
Self Paced Videos
Inhouse Course

ISO 9001
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www.sqlschool.com **Trainer Ph : +91 90300 40801**
#201, Sai Anu Avenue, Patrika Nagar, Cyber Towers, Hitech City, Hyderabad, India.

Why Choose SQL School ?

- 👉 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.

ETL Admin Training : Detailed Course Curriculum

Module 1: Core SQL DBA

Ch 1: Introduction <ul style="list-style-type: none"> ✓ Database Introduction ✓ Types of Databases ✓ Need for Database Admins ✓ ETL Admin Job Roles ✓ Routine, Emergency DBA ✓ SQL Server Advantages ✓ Version, Editions of MSSQL 	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
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 	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 	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

<ul style="list-style-type: none"> ✓ Testing & Using Temp Tables ✓ SELECT .. INTO & Bulk Loads 	<ul style="list-style-type: none"> ✓ Transactions Types, Lock Hint ✓ Query Blocking Scenarios 	<ul style="list-style-type: none"> ✓ 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 ✓ DMVs & DMFs for Audits 	Ch 20: Indexes & Tuning <ul style="list-style-type: none"> ✓ Indexes: Sort Locations ✓ Clustered & Online Indexes ✓ Non-Clustered, Columnstore ✓ Included Indexes in Realtime ✓ Filtered Indexes & Usage ✓ Covering Index & Selectivity ✓ Indexed Views (Materialized) 	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 ✓ Index, Column Stats, Updates
Ch 22: Tuning Tools, Exec Plans <ul style="list-style-type: none"> ✓ 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 	Ch 23: MOT & Temporal Tables <ul style="list-style-type: none"> ✓ Memory Optimized Tables ✓ Non-Clustered Primary Keys ✓ Stats Updates, Performance ✓ Temporal Tables in Realtime ✓ History Tracking & Testing ✓ Timestamp Columns Usage ✓ Tuning Stored Procedures 	Ch 24: Locks & Isolation Levels <ul style="list-style-type: none"> ✓ 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 <ul style="list-style-type: none"> ✓ Replication: Realtime Usage ✓ Replication Considerations ✓ Distributor Configurations ✓ Publisher and Subscriber ✓ Replication Types: Snapshot 	Ch 26: HA DR @ Replication - 2 <ul style="list-style-type: none"> ✓ Merge Replication & Usage ✓ Peer – Peer Replication ✓ Peer to Peer Topology ✓ Push & Pull Subscriptions ✓ Conflict Detection, Avoidance 	Ch 27: HA DR @ Log Shipping <ul style="list-style-type: none"> ✓ Log Shipping Configurations ✓ Primary, Secondary Servers ✓ Monitor Instance Selection ✓ Working with Network Shares ✓ LS Jobs: Backup, Copy, Restore

<ul style="list-style-type: none"> ✓ Transactional Replication ✓ Log Reader Agent & Usage ✓ Replication Monitor, Alerts 	<ul style="list-style-type: none"> ✓ Scripting Replication Agents ✓ Limitations with Replication ✓ Common Errors, Solutions 	<ul style="list-style-type: none"> ✓ NORECOVERY, STANDBY ✓ Manual Failover Process ✓ Common Errors, Solutions
Ch 28: HA DR @ DB Mirroring <ul style="list-style-type: none"> ✓ 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 <ul style="list-style-type: none"> ✓ 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 <ul style="list-style-type: none"> ✓ Routine DBA Activities ✓ Emergency DBA Activities ✓ Maintenance DBA Activities ✓ SLA – OLA Process ✓ Ticketing Tools ✓ 3rd Party Tools ✓ Common Errors & Solutions

Module 2: Azure SQL DBA

Ch 31: Cloud Basics, Azure Funda <ul style="list-style-type: none"> ✓ 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 <ul style="list-style-type: none"> ✓ 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 <ul style="list-style-type: none"> ✓ 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
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



Module 3: ETL & DWH with Cloud Computing




Ch 46: ETL, DWH Introduction <ul style="list-style-type: none"> ✓ Database Introduction ✓ Data Warehouse (DWH) ✓ Data Engineering Work Flow ✓ Cloud Concepts: IaaS, PaaS ✓ SaaS & Azure Cloud Concepts ✓ Azure Resources & Groups ✓ Storage, ETL, IoT Resources 	Ch 47: Azure Intro, Azure SQL <ul style="list-style-type: none"> ✓ Azure SQL Server, SQL DB ✓ Azure SQL Database (OLTP) ✓ Azure SQL Pool (DWH) ✓ Connections from SSMS Tool ✓ Connections from ADS Tool ✓ Pause / Resume SQL Pool ✓ Source Data Configurations 	Ch 48: Azure Synapse (DWH) <ul style="list-style-type: none"> ✓ Synapse Pool Architecture ✓ Control Node, Compute Node ✓ DMS & Partitioned Tables ✓ Creating Tables with TSQL ✓ Distributions: RR, Hash, Repl ✓ Big Data Loads with TQL ✓ Important DMFs & DMVs
Ch 49: Azure Data Factory (ADF) <ul style="list-style-type: none"> ✓ Need for ADF & Pipelines ✓ Linked Services & IRs ✓ Datasets, Pipelines, Triggers ✓ Copy Data Activity & CDT ✓ Data Loads Pipelines, DTUs ✓ Pipeline Monitoring, Edits 	Ch 50: ADF Incremental Loads - 1 <ul style="list-style-type: none"> ✓ File Incremental Loads ✓ Storage Account, Data Lake ✓ Binary Copy, Schema Drift ✓ Staging Concept in ADF ✓ DOCP, Logging & Consistency ✓ Polybase Concept & Tuning 	Ch 51: ADF Incremental Loads - 2 <ul style="list-style-type: none"> ✓ Implement SCD with ADF ✓ Self-Hosted IR: Realtime Use ✓ On-premise Data: Incr Loads ✓ Copy Method: Upsert, Keys ✓ Staging & ADF Optimizations ✓ Pipeline Runs, Activity IDs
Ch 52: ADF Data Flow - 1 <ul style="list-style-type: none"> ✓ Data Flow Transformations ✓ Spark Clusters for Debugging ✓ Optimized Clusters, Preview ✓ Conditional Split, SELECT 	Ch 53: ADF Data Flow - 2 <ul style="list-style-type: none"> ✓ Working with Multiple Tables ✓ Join Transform, Broadcast ✓ Row Filters, Column Filters ✓ Surrogate Keys, Derived Cols 	Ch 54: ADF Data Flow - 3 <ul style="list-style-type: none"> ✓ Pivot Transformation ✓ Group By & Pivot Keys ✓ Column Pattern, Deduplicate ✓ Lookup, Cached Lookup

<ul style="list-style-type: none"> ✓ Sort, Union Transformations ✓ Pipelines with Data Flow 	<ul style="list-style-type: none"> ✓ ETL Loads Dates, Sink Options ✓ Aggregated Data Loads 	<ul style="list-style-type: none"> ✓ Tuning Transformations ✓ Tuning Data Flow, Spark
Ch 55: Synapse Analytics - 1 <ul style="list-style-type: none"> ✓ Azure Synapse Analytics ✓ Dedicated SQL Pools ✓ TSQL: Stored Procedures ✓ Synapse Pipelines, Tuning ✓ SP Activity in Pipelines, Jobs ✓ Comparing ADF & Synapse 	Ch 56: Synapse Analytics - 2 <ul style="list-style-type: none"> ✓ Serverless Pools in Synapse ✓ TSQL Scripts with Serverless ✓ ADLS Data Imports & ELT ✓ Synapse Aggregation, Analytics ✓ Synapse Optimizations ✓ Synapse Security & Logins 	Ch 57: Synapse Analytics - 3 <ul style="list-style-type: none"> ✓ Apache Spark Pool & Usage ✓ Synapse Analytics with Pools ✓ PySpark Staging, Aggregations ✓ Spark Queries & Python ETL ✓ Python Notebooks, Pipelines ✓ Integrating Python with DWH
Ch 58: Parameters, SCD & ETL <ul style="list-style-type: none"> ✓ ADF Templates in Realtime ✓ Table Incremental Loads ✓ Control Tables, Watermarks ✓ Pipeline Parameters, SPs ✓ Dynamic Data Sets, SCD 	Ch 59: CDC @ ETL, ELT & Tuning <ul style="list-style-type: none"> ✓ Using CDC in ADF ✓ Control Tables (CT): Upserts ✓ Handling Inserts, Updates ✓ SCD Type 1 & Type 2 ✓ ADF, Synapse: Limitations 	
Ch 60: Azure Intro & Storage <ul style="list-style-type: none"> ✓ Storage, ETL, IoT Resources ✓ Azure Storage Components ✓ Azure Storage Account, HNS ✓ Azure Data Lake Storage ✓ Azure Storage Explorer Tool ✓ Storage Explorer Config ✓ Storage Account Properties 	Ch 61: Azure Storage Operations <ul style="list-style-type: none"> ✓ BLOB Storage: Containers ✓ Storage Browser, Explorer ✓ File & Folder Uploads, Edits ✓ Azure Tables: Row Key ✓ Partition Key, Timestamp ✓ Use Cases of BLOB Storage ✓ Use Cases of Azure Tables 	Ch 62: Azure Storage Security <ul style="list-style-type: none"> ✓ Realtime use of Keys ✓ Access Keys & Admin Access ✓ SAS Keys Generation, Ips ✓ Creating, Using Entra Users ✓ Azure AD Users, Groups ✓ IAM & RBAC with Entra Users ✓ ACLs and ADLS Security
Ch 63: Azure SQL DB Migrations <ul style="list-style-type: none"> ✓ On-Premise SQL DB bacpac ✓ Azure SQL Deployment ✓ Azure Storage from SSMS ✓ Azure SQL DB Migration ✓ Migration Verifications ✓ Testing Migrations in SQL 	Ch 64: Azure Stream Analytics <ul style="list-style-type: none"> ✓ Azure IoT Hubs & Devices ✓ APIs with Connection Strings ✓ Azure Stream Analytic Jobs ✓ Inputs, Outputs, SAQL Query ✓ LIVE Feed: JSON, AVRO Files ✓ Watermark & LIVE Stats 	Ch 65: Azure Key Vaults, Alerts <ul style="list-style-type: none"> ✓ Azure Encryptions @ REST ✓ Azure Key Vaults & Keys ✓ SMK & CMK Encryptions ✓ Azure Metrics: Ingress ✓ Egress, E2E Latency Issues ✓ Performance Tuning Options
Ch 66: Azure Big Data & Spark <ul style="list-style-type: none"> ✓ Azure Big Data & Spark ✓ Azure ETL & DWH Databases ✓ Azure Spark, HIVE Metastore ✓ Azure Databricks Service ✓ Spark Cluster (Personal) ✓ Unity Catalog & Azure VM 	Ch 67: Spark Cluster Operations <ul style="list-style-type: none"> ✓ DBFS: Flat File Imports ✓ Table Conversions using GUI ✓ Spark Clusters: Table Creations ✓ Basic Transformations in Spark ✓ SQL Notebooks: Creation ✓ Default DB Queries, Cloning 	Ch 68: Python & PySpark, ETL <ul style="list-style-type: none"> ✓ Python Fundamentals ✓ Python Data frames: ETL ✓ Python For Big Data, Pandas ✓ Python Notebooks, Views ✓ Aggregated Loads to Spark ✓ Spark DB Creations, Tables

Ch 69: PySpark & ADLS, Widgets <ul style="list-style-type: none"> ✓ Creating Spark Databases ✓ Spark Tables, Catalog Info ✓ PySpark with ADLS Storage ✓ Using Widgets for ADLS Keys ✓ PySpark Variables & Widgets ✓ Using Variables in Functions ✓ Spark SQL with Control Text ✓ Using Variables in Spark SQL 	Ch 70: PySpark Jobs, Delta Tables <ul style="list-style-type: none"> ✓ Azure Databricks Jobs ✓ Azure Workflows & Tasks ✓ Notebook Schedule Options ✓ Continuous Jobs, Notifications ✓ Delta Tables & Data Cleansing ✓ SCD (Merge Into), Contact, etc. ✓ Creating, Using Data frames ✓ Multi Data frame Joins 	Ch 71: Scala Notebooks & ETL <ul style="list-style-type: none"> ✓ Scala Notebooks: Purpose ✓ Aggregated Data Loads ✓ Incremental Data Loads ✓ Widgets & Jobs with Scala ✓ Python Versus Scala ✓ Converting Python to Scala ✓ JVM Benefits, SQL DB Conn" ✓ SQL DB Loads with Scala
Ch 72: Databricks Architecture <ul style="list-style-type: none"> ✓ Azure Databricks Services ✓ Cluster Components & DBFS ✓ RDD, DAG, Photon, Spotlight ✓ Spark Partitioned Tables ✓ Cluster Manager: Spark Jobs ✓ Databricks Runtime (DBR) ✓ Workspace Security ✓ Notebook & Job Security 	Ch 73: Medallion Architecture <ul style="list-style-type: none"> ✓ Medallion Architecture in ETL ✓ DWH Data Loads & Incr Loads ✓ Bronze, Silver & Gold Data ✓ Processing Raw Data Files ✓ Data Cleansing, Formatting ✓ Aggregation Advantages ✓ DBES & Node Architecture ✓ Unity Catalog Concept ✓ LUNs and Unity Catalog 	Ch 74: Delta LIVE Tables (DLT) <ul style="list-style-type: none"> ✓ Creating Delta LIVE Tables ✓ DLT Pipelines in ETL, DWH ✓ Automated Incr Loads ✓ Control Tables, Timestamp ✓ SCD Type 1 with DLT ✓ SCD Type 2 with DLT ✓ Automated Merge Into Stmt ✓ Delta Tables Vs DLT ✓ Merge Into Vs DLT Pipeline
Real-time Project for ETL Admin + Resume Guidance		
This above ETL Admin Course is 100% Practical, Step by Step. Reach us now!		
contact@sqlschool.com New batch Schedules: www.sqlschool.com/Register Call / WhatsApp: +91 9666640801, +91 9666440801		Trainer: Mr. Sai Phanindra Tholeti Profile: http://linkedin.com/in/saiphanindra Call / WhatsApp: +91 9030040801

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

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 **For more details, free demo:** Reach us on Call/WhatsApp @ +91 9666 64 0801 / +91 9666 44 0801
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 **Location:** <https://maps.app.goo.gl/ZVfPGpVy7n8jGmcR9>

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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!
