

A person in a dark suit and tie is shown in profile, looking towards the right. The background is a dark blue, semi-transparent overlay of a computer interface. It features various data visualizations, including bar charts, line graphs, and large binary digits (0s and 1s) in shades of orange and white. The overall aesthetic is high-tech and professional.

Master

Microsoft Data Engineering



Mr. Sai Phanindra



20+ Years of Exp



Microsoft Certified Trainer



26K Linked In Followers

Data Analyst

SQL Developer

Data Engineer

BI Developer

Database Admin

Databricks

#SQL
#Azure
#Fabric
#PowerBI
#Databricks
#Python

Training Highlights

1. Step by Step Classes
2. 100% Practical
3. Realtime Projects, Jobs

- Inhouse
- LIVE Online
- Self Paced Videos

Trainer : Mr. Sai Phanindra

www.linkedin.com/in/saiphanindra

20+ Years of **TRUST**

Other Courses from SQL School:

AWS, Postgres, Oracle, .NET, Gen AI, more

Why Attend This Webinar?

- ✓ Understand Azure vs Fabric architecture
- ✓ Learn real-time industry use cases
- ✓ Compare ADF vs Fabric Data Factory
- ✓ Career roadmap for Data Engineers
- ✓ Q & A, Expert Guidance !

Key Technology Comparisons

Azure Synapse vs Fabric Warehouse

ADLS vs OneLake

Power BI Integration

Spark & Notebook Experience

Pricing & Architecture Differences

1. What is a Database ?

Database is prominent platform to store **any type** of data, any amount of data.



Build Skills. Manage Data.
Drive Success.

USE CASE SCENARIOS

- Banking
- Healthcare
- Telecom
- Ecommerce
- Research
- Defense
- Data Science

MASTER SQL DATABASE

— From Data to Decisions —



- Core SQL Concepts**
Strong foundation for advanced skills
- Query Writing & Optimization**
Write efficient queries and optimize performance
- Database Design & Management**
Design scalable databases and ensure data integrity
- Real-world Applications**
Work on real-time projects and industry use cases

YOU WILL LEARN

- ✓ SELECT Queries & Filters
- ✓ Joins, Subqueries, CTEs
- ✓ Functions & Stored Procedures
- ✓ Views, Indexes & Constraints
- ✓ Performance Tuning
- ✓ Real-time Project Work

IDEAL FOR

- Students
- Working Professionals
- Career Switchers
- Data Enthusiasts

- Industry Relevant Skills**
Learn what industry really needs
- Hands-on Projects**
Work on real-world scenarios
- Certificate of Completion**
Boost your resume and career
- Placement Support**
Guidance for a better career start

2. What is a Data Warehouse?

Data Warehouse (DWH) is a special type of database used to store huge volumes of Historical, Inactive Data.

A DWH can store:

- Historical Data (SCD)
- Incremental Data (SCD)
- Aggregated Data (Medallion)



3. What is ETL ?

ETL Stands for:

- Extract
- Transform
- Load

Using ETL Techniques:

We read data from various sources.
Transform or Mashup (Format) the data.

Finally, Load the data into required Destination(s). Preferably, a Warehouse.

SQL SCHOOL
Premium Quality Training



Azure Data Engineer

You will Get

- Azure Data Factory
- Azure Data Lake Storage
- Azure Data Bricks
- Azure Synapse
- PySpark and Lot more...

New Batch for
Every 10 Days



MSME

Trainer: Mr. Sai Phanindra

[linkedin.com/in/saiphanindra](https://www.linkedin.com/in/saiphanindra)



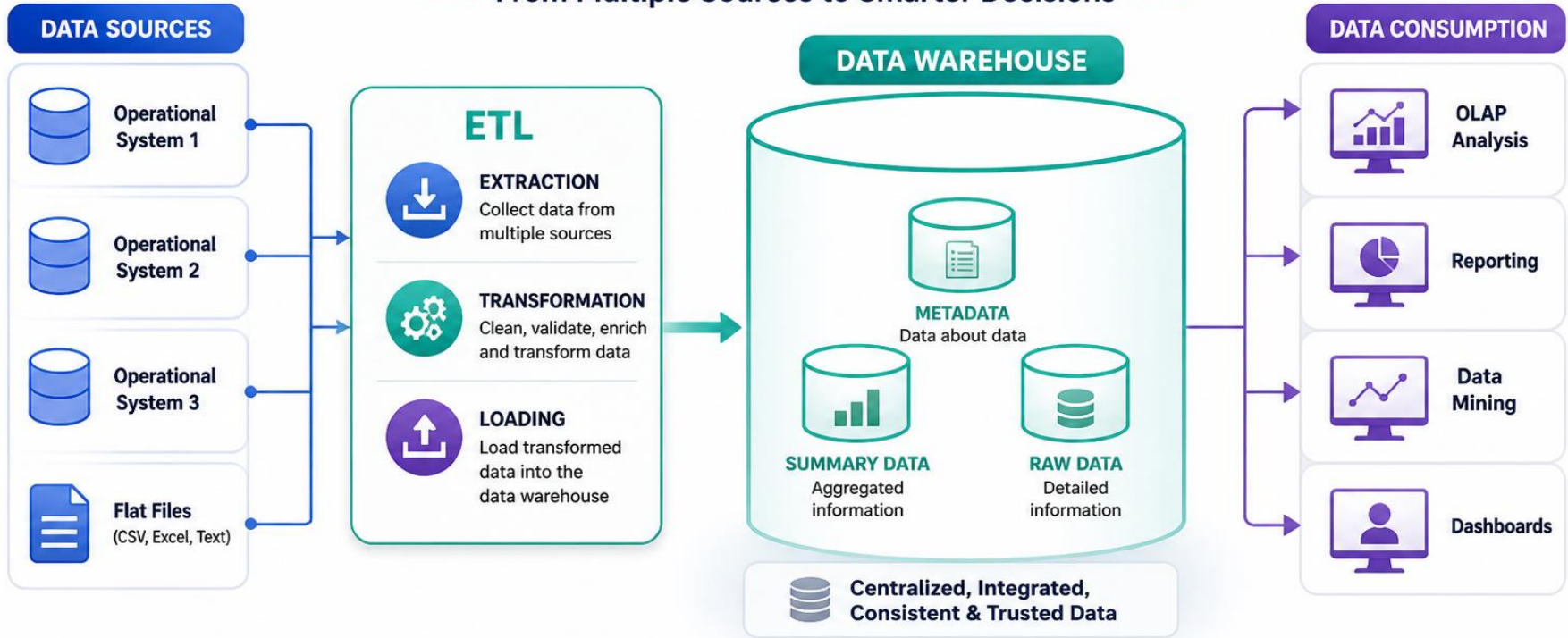
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Today!

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DATA WAREHOUSE ARCHITECTURE

From Multiple Sources to Smarter Decisions



Single Version of Truth

Reliable and consistent data for better decisions



Better Quality Data

Clean, validated and integrated information



Faster Insights

Quick access to historical and real-time data



Smarter Decisions

Empower your business with data-driven strategies

4. What is Data Engineering?

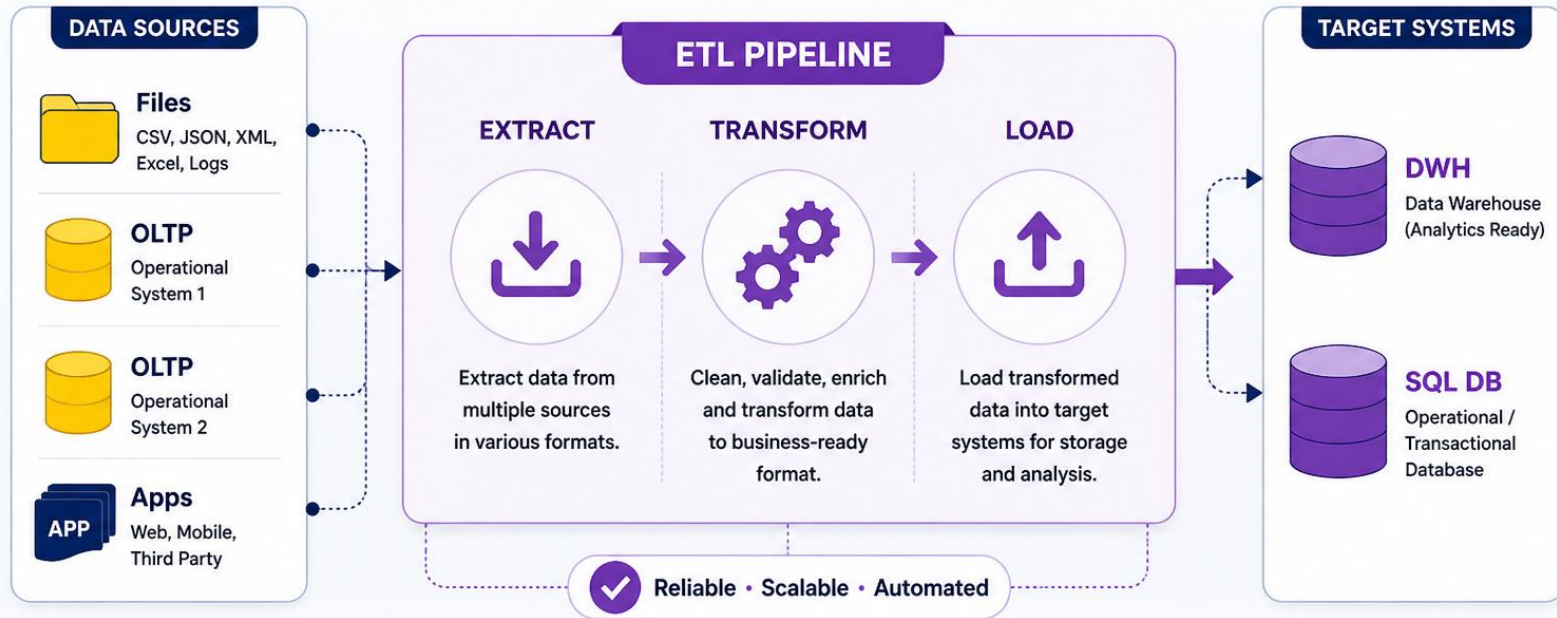


A Data Engineer is a professional who:

- 1. Designs, manages and optimizes Data Warehouses**
- 2. Uses ETL (Extract, Transform & Load) Techniques**
- 3. Perform Big Data Analytics**

DATA ENGINEER

BUILD PIPELINES • TRANSFORM DATA • DRIVE INSIGHTS



EFFICIENT PIPELINES

Automate data movement and reduce manual effort.



HIGH DATA QUALITY

Clean, consistent and trusted data for better decisions.



FASTER INSIGHTS

Deliver accurate data faster to drive business growth.



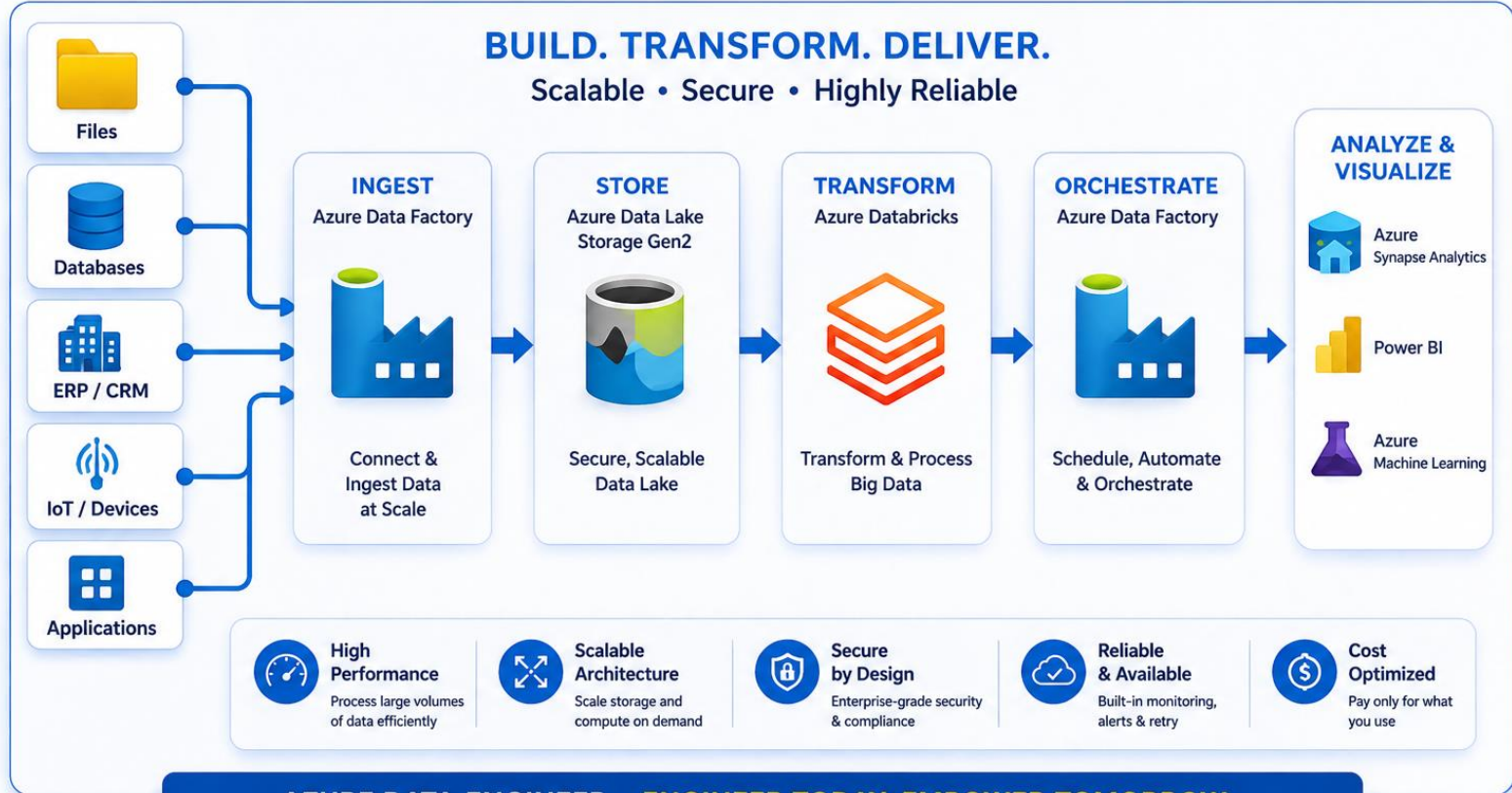
DATA-DRIVEN DECISIONS

Empower your business with actionable insights and real-time analytics.

Azure Data Engineer

BUILD. TRANSFORM. DELIVER.

Scalable • Secure • Highly Reliable



AZURE DATA ENGINEER – ENGINEER TODAY. EMPOWER TOMORROW.

Azure Data Engineer Components:

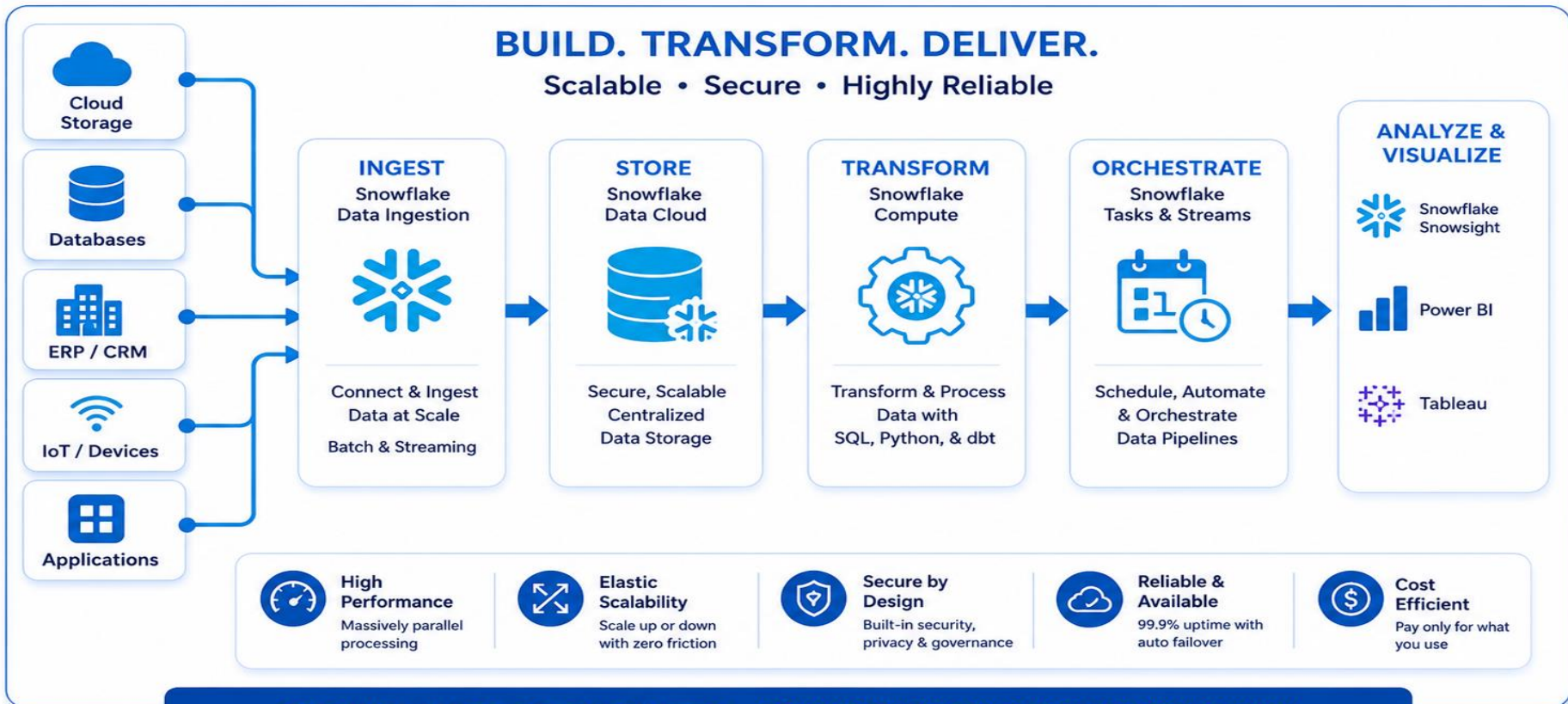
1. Azure SQL
2. Azure ETL, DWH
3. Azure Data Factory
4. Azure Synapse
5. Azure Databricks
6. Azure Data Lake
7. Azure IoT
8. Azure Event Hubs
9. Azure Key Vaults
10. Azure Stream Analytics
11. Azure Logic Apps
12. Azure Functions
13. Python (ETL)
14. Spark SQL
15. PySpark
16. Unity Catalog
17. Data Lake
18. Delta LIVE Tables
19. Auto Loader
20. Stream Tables
21. Medallion
22. SCD, CDC
23. Databricks Engineer Exam Guidance
24. Fabric Concepts & Migrations



Snowflake Data Engineer

BUILD. TRANSFORM. DELIVER.

Scalable • Secure • Highly Reliable



SNOWFLAKE DATA ENGINEER – ENGINEER TODAY. EMPOWER TOMORROW.



SNOWFLAKE DATA ENGINEER COMPONENTS

BUILD. TRANSFORM. SCALE. DELIVER.

Modern • Scalable • Secure • Highly Reliable



- | | | |
|--------------------------------|----------------------------|--|
| 1. Snowflake Fundamentals | 11. Streams & Tasks | 21. Query Optimization |
| 2. Snowflake Architecture | 12. Time Travel | 22. Performance Tuning |
| 3. Databases, Schemas & Tables | 13. Zero-Copy Cloning | 23. Snowflake Cortex AI |
| 4. Virtual Warehouses | 14. Data Sharing | 24. SnowPro Certification Guidance |
| 5. Snowflake SQL | 15. Secure Data Sharing | 25. Real-Time Data Engineering Project |
| 6. Data Loading & Unloading | 16. Snowpark (Python) | 26. Azure / AWS / GCP Integrations |
| 7. Snowpipe | 17. Python for ETL | 27. Data Governance & Security |
| 8. Snowpipe Streaming | 18. DBT (Data Build Tool) | 28. Role-Based Access Control (RBAC) |
| 9. External Stages | 19. Incremental Data Loads | 29. Monitoring & Cost Optimization |
| 10. Internal Stages | 20. CDC & SCD Concepts | 30. Migration & Modernization Projects |

DATA ENGINEER SKILLS YOU WILL MASTER

Data Modeling

ETL / ELT Pipelines

Automation

Data Quality

Security

Analytics

Cloud Integration

**BUILD TODAY.
SCALE TOMORROW.**
BECOME A SNOWFLAKE EXPERT!

Azure Synapse vs. Snowflake

The 2026 Strategic Data Platform Decision



Why This Choice Matters in 2026

78%

AI & TCO Driven

Enterprise warehouse investments evaluated on AI readiness and TCO – Gartner 2025

40ZB

IIoT Data by 2026

Manufacturers generating zettabytes of industrial IoT data annually – IDC 2025

23%

Cost Overruns

From idle compute, egress fees, and admin overhead on the wrong platform – Forrester





The Native Azure Advantage

Unified Experience

Data integration, warehousing, and big data analytics in Synapse Studio

MPP Architecture

Synapse SQL, Apache Spark Pools, and Synapse Pipelines

AI-Native

Microsoft Copilot in Fabric – built-in AI features

Ecosystem Fit

Power BI, IoT Hub, Dynamics 365, Azure ML – seamless

The AI Data Cloud

Multi-Cloud Freedom

Operates consistently across AWS, Azure, and Google Cloud

Elastic Architecture

Compute and storage fully separated — scale each independently

Zero Admin Overhead

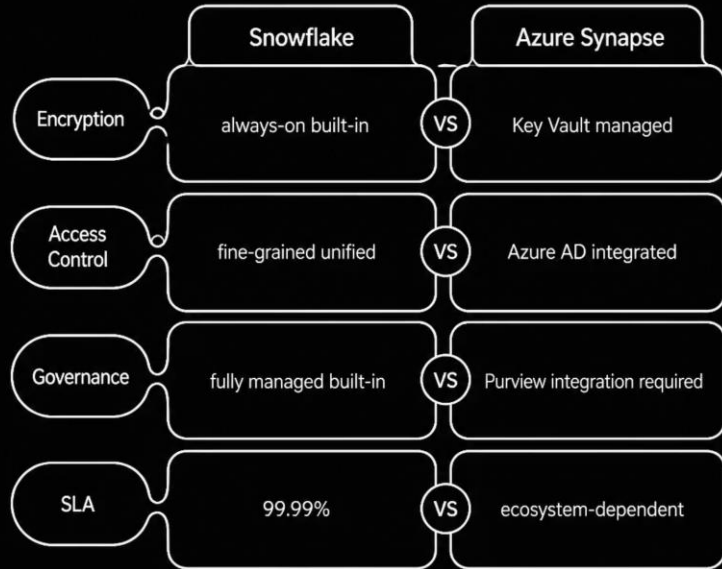
Near-zero DBA work, seamless data sharing, instant elasticity

Cortex AI

Built-in ML and advanced analytics via Snowflake Cortex AI



Security & Governance: Head to Head



✓ **Snowflake:** Unified, fully managed – enterprise-ready by design. 99.99% SLA.

i **Azure Synapse:** Powerful Azure security ecosystem – but requires customer configuration and integration management.

Both platforms are enterprise-grade. The difference is **how much you configure** vs. how much comes out of the box.



SNOWFLAKE

VS

AZURE



CHOOSE THE RIGHT PLATFORM FOR MODERN DATA ENGINEERING

SNOWFLAKE

Fully managed, SaaS data cloud built natively for the cloud.

Simple, easy to set up and manage with minimal operational overhead.

Instant and independent scaling of compute and storage.

High performance with automatic optimization and caching.

Built-in secure data sharing across accounts and regions.

Best-in-class for data warehousing and analytics.

Usage-based pricing with separate compute and storage.

Integrated platform: Warehouse, Lakehouse, Data Engineering, ML, Sharing.

Built-in security, governance, and compliance at every layer.

Organizations focused on faster time-to-value for data, analytics, and AI workloads.



ARCHITECTURE



EASE OF USE



SCALABILITY



PERFORMANCE



DATA SHARING



ECOSYSTEM



PRICING MODEL



DATA SERVICES



SECURITY & GOVERNANCE



BEST FOR

AZURE DATA PLATFORM

Integrated suite of cloud services with broad platform capabilities.

Flexible but can be complex to set up and manage multiple services.

Highly scalable with manual or automatic scaling options.

High performance with service-level optimization and tuning.

Data sharing possible using ADLS, Synapse, and other integration patterns.

Wider ecosystem for analytics, AI/ML, IoT, and enterprise workloads.

Pay-as-you-go with many services and pricing models.

Multiple services: Data Lake, Synapse, Databricks, Data Factory, ML, etc.

Enterprise-grade security with Azure AD, Key Vault, Purview, and more.

Enterprises needing a broad cloud platform for diverse workloads and integrations.

SNOWFLAKE STRENGTHS



- ✓ Easy to use
- ✓ Fast time-to-value
- ✓ Superior performance
- ✓ Secure data sharing
- ✓ Automatic scaling
- ✓ Built for data & analytics
- ✓ Lower operational overhead



OUR RECOMMENDATION

Choose Snowflake for simplicity, speed, and data-driven productivity.

Choose Azure for a unified cloud platform with diverse enterprise capabilities.

AZURE STRENGTHS

- ✓ Broad cloud ecosystem
- ✓ Deep enterprise integration
- ✓ Flexible & customizable
- ✓ Advanced analytics & AI/ML
- ✓ Cost optimization options
- ✓ Strong governance tools
- ✓ Hybrid & multi-cloud ready



DIFFERENT PLATFORMS. SAME GOAL. **EMPOWERING DATA-DRIVEN SUCCESS.**

TRENDING TECHNOLOGIES

Learn. Build. Succeed.



AZURE



FABRIC



SNOWFLAKE



AWS



GCP



SQL SERVER



POSTGRESS



PYTHON



POWER BI



TABLEAU



ORACLE



DATABRICKS



AI



GEN AI



AGENTIC AI



COPILOT



FUTURE READY SKILLS

Stay ahead with in-demand technologies.



IN-DEMAND TECHNOLOGIES

Master high-growth tools and platforms.



CAREER GROWTH

Boost your career with industry-relevant skills.



HIGH PAYING OPPORTUNITIES

Unlock better roles and higher salaries.



SERVICES WE PROVIDE

Learn. Build. Grow. Get Placed.



1

TRAININGS



Learn in-demand skills with expert-led training programs.

2

PROJECTS



Build real-world projects and strengthen your skills.

3

MOCK INTERVIEWS



Practice mock interviews and gain the confidence to succeed.

4

PLACEMENTS



Get placed in top companies and kickstart your success.

5

JOB SUPPORT



Resume reviews, career guidance and ongoing job support.



SKILLS TODAY. SUCCESS TOMORROW.



Job Oriented *Intensive Training* from SQL School



Daily Assignments



Weekly Mock Interviews



Resume



Project Explanations



Job Assistance

SQL SCHOOL

Premium Quality Training

LEARN TODAY. LEAD TOMORROW!

Build In-Demand Skills.
Boost Your Career.

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With **SQL School** Training Institute.



EXPERT TRAINERS
Learn from industry professionals



PRACTICAL LEARNING
Real-world projects & hands-on training



PREMIUM QUALITY
High-quality content & learning experience



CAREER SUPPORT
Placement assistance & guidance



WHY CHOOSE SQL SCHOOL?



Comprehensive Courses



Hands-on Projects



Placement Assistance



Industry Recognized Certification



Flexible Batch Timings

ENROLL NOW & TRANSFORM YOUR FUTURE!

 Better Skills. Better Opportunities. **Better You.**

QUALITY TRAINING. REAL RESULTS.

JOIN THOUSANDS OF SUCCESS STORIES!



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IS OUR MISSION!**