

From Raw to Ready

How dbt Powers the AI-Ready Data Lake

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Dbt June Meetup

The Data Challenge in the AI Era

- AI demands scale, speed, and trust in data
- Most orgs are bottlenecked by legacy pipelines
- A data lake offers storage — transformation delivers value

Vision – A Modern Data Stack



Raw data in cloud lake
(S3, GCS)



dbt transforms and
governs data

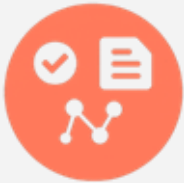


Data lake offers storage &
transformation delivers value

Why dbt?



Modular SQL Transformations

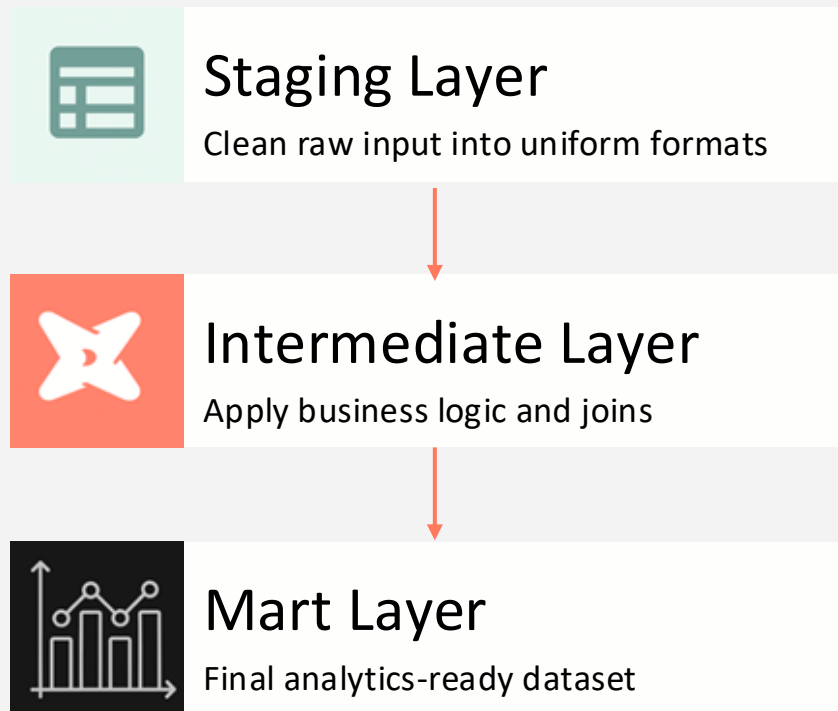


Built-in testing, documentation, lineage



Version Control and CI/CD friendly

How dbt Operationalizes the Lake



Key Features That Matter



Incremental Models



Environment-aware Deployments



Semantic Layer



CI/CD Integration



Tests and Lineage



Model-level Access Control

Use Case – Reporting at Scale

- Problem: KPI inconsistency
- dbt: Centralized metrics layer
- Results: Faster, trusted reporting and AI inputs

Closing Thoughts

- AI rewards clean, scalable data
- dbt enables transformation and trust
- Data lakes + dbt = AI-ready stack

Thank You!

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