

The image shows a promotional poster for a workshop. At the top left is the Projek DOS logo. The main title is "EXPLORING DBT & TRINO FOR DWH". Below it, under "Community Topics:", there are two bullet points: "ELT fundamental with dbt Core & Trino" and "Hands on Labs creating DWH". To the right of the text are two circular profile pictures: one of a man named THEODORUS W. and one of a woman named WANDHANA K. At the bottom left is a calendar icon with the text "Sunday, Dec 28 2025" and a clock icon with the text "Time at 02.00 PM WIB". At the bottom center are the logos for dbt (orange X) and trino (a cartoon character with bunny ears). The website "WWW.PROJEKDOS.COM" is at the bottom.

Projek DOS

EXPLORING DBT & TRINO FOR DWH

Community Topics:

- ELT fundamental with dbt Core & Trino
- Hands on Labs creating DWH

Sunday, Dec 28 2025

Time at 02.00 PM WIB

dbt trino

WWW.PROJEKDOS.COM

/Projek DOS

Workshop

Exploring DBT Core & Trino
for creating DWH transform.

*Extract Load Transform with Open
Source Tech Stack.*

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01

Introduction



Intro / Projek DOS

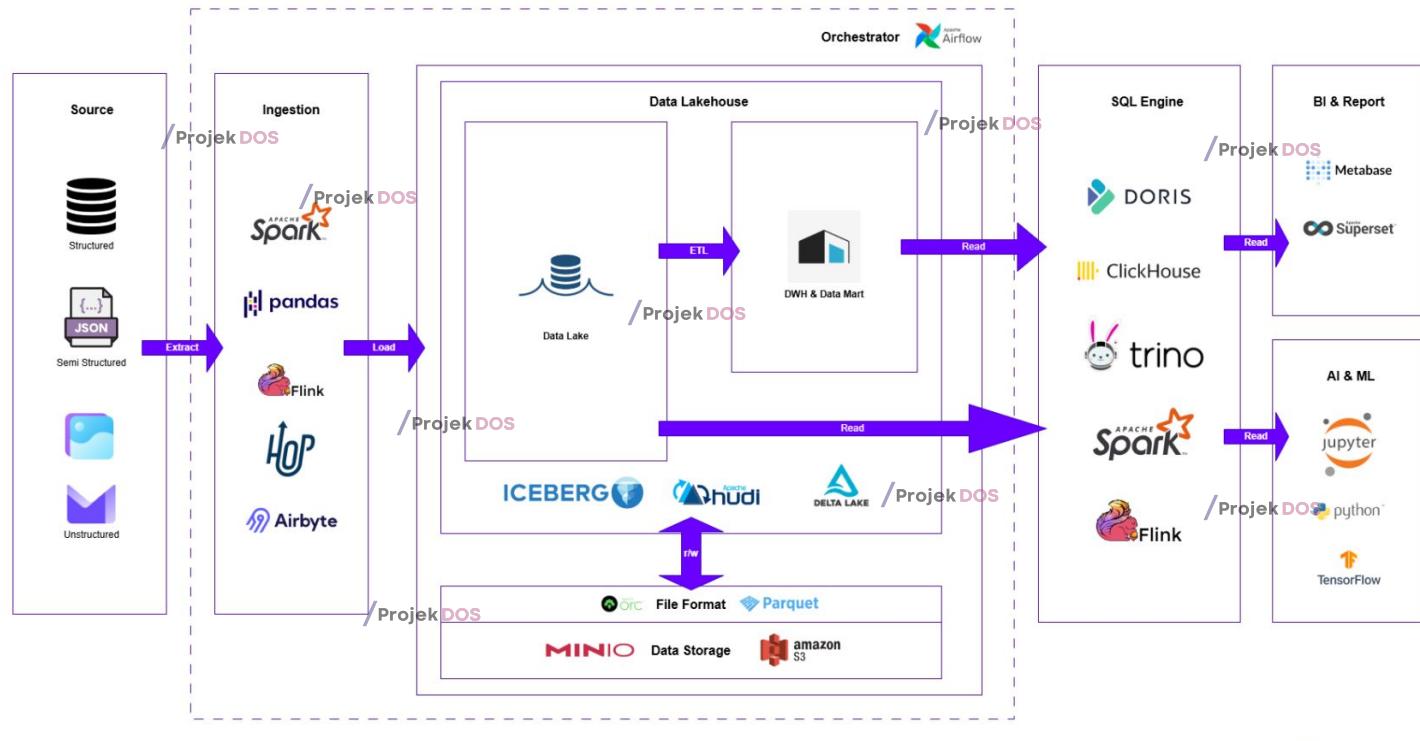
Projek DOS

Founded in 2025, **Projek Freedom** is an organization with R&D-driven initiative from Indonesia dedicated to democratizing access to modern technologies of data & artificial intelligence through open-source innovation & education. The goal is to empower individuals & organization to connect, networking & sharing knowledge about:

- Business Intelligence
- Data Analytics
- Blockchain
- Artificial Intelligence
- More



Tech Stack Showcase

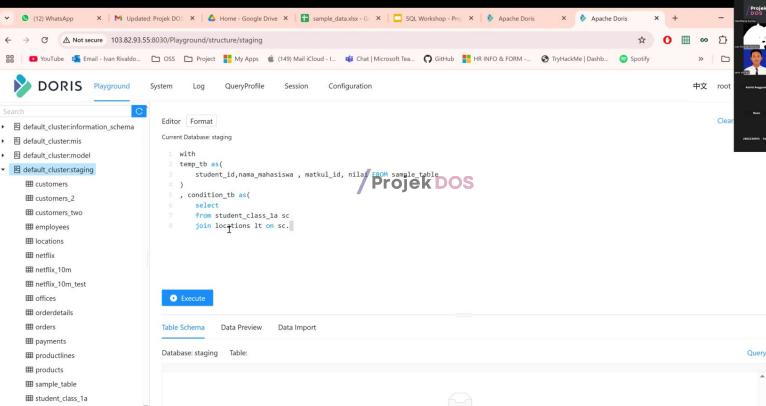


Free Workshop (2025)



Initiative	Objective	#1	#2	#3	#4	#5
✓ SQL	Mastering data querying, manipulation, and optimization for efficient database management					
✓ ETL	Extracting, transforming, and loading data for seamless integration and processing					
✓ Orchestrator	Managing and coordinating end-to-end data workflows automatically					
✓ Business Intelligence	Leveraging analytics and visualization tools to drive data-driven decisions					
ELT	Extract Load Transform for seamless data solutions.					

Previous Workshop - SQL (26, April 2025)



The screenshot shows the Apache Doris Playground interface. On the left, there's a sidebar with a tree view of databases and tables. The main area is a query editor with the following SQL code:

```
with
    temp_tb as(
        student_id, name Mahasiswa , matkul_id, nilai
        new sample_table
    )
, condition_tb as(
        select
            from student_class_1a
        join locations lt on sc.||
```

Below the editor are tabs for 'Table Schema', 'Data Preview', and 'Data Import'. At the bottom, there's a 'Query' section with a 'Database: staging' dropdown and a 'Query' input field.

In this workshop, we explored key concepts of Query and hands-on SQL examples, including:

- String Manipulation
- Subquery
- CTE (Common Table Expression)
- Windowing Function



Projek DOS

Workshop Certificate

Projek Freedoom OpenSource certify that

Joe Doe

has successfully completed

Learn SQL Query using Apache Doris

Awarded for completing the "Learn SQL using Apache Doris" workshop. This program covered SQL fundamentals and analytics using Apache Doris, equipping participants with practical skills for querying and analyzing data.

Completion Date: April 26, 2025

Expiration Date: April 26, 2026

DNAStudio

DORIS

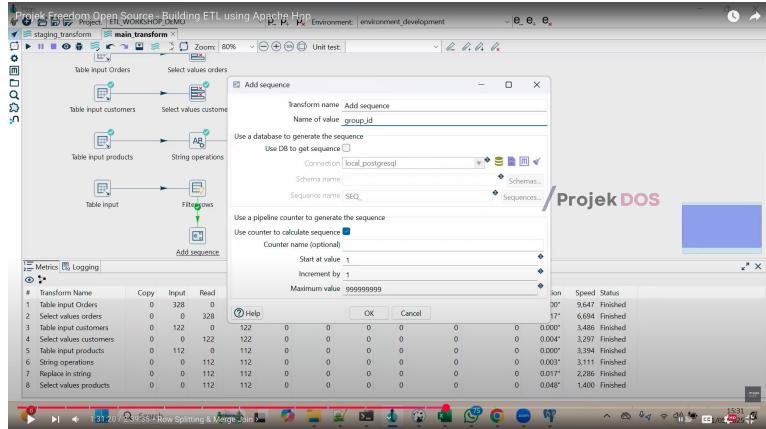
Wandhana Kurnia
Founder

Nomor ID: 12345678901234567890
Certificate ID

Distributed by Certifier

Projek DOS

Previous Workshop - ETL (31, May 2025)

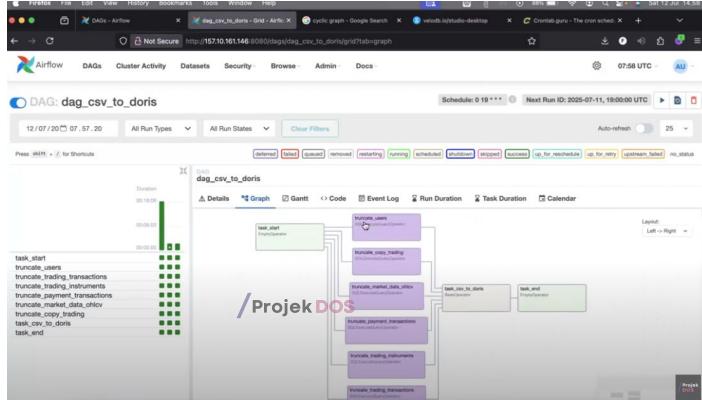


In this workshop, we explored key concepts of ETL and hands-on data transformation examples using Apache Hop, including:

- Extracting data from multiple sources
- Data Cleaning & Transformation
- Loading into target tables
- Run ETL workflows



Previous Workshop - Orchestrator (12, Jul 2025)



This hands-on session covers end-to-end orchestration with Airflow, MPP query power with Doris, and analytics using Trading Exchange use case .

- Apache Airflow Orchestration
- Data Lake House Design
- Hands-on Data Modeling: Trading Exchange use case
- Apache Doris as Data Repository



Previous Workshop - DWH & BI (31, Aug 2025)

The screenshot shows a YouTube video player with a dark theme. The video title is "DWH - Star Schema". The content of the video is a diagram illustrating the star schema architecture. The diagram shows a central "Fact Table" connected via foreign keys to four "Dimension Tables": "User", "Item", "Category", and "Region". The "User" dimension table is described as having a primary key (PK) and a unique identifier (UID). The "Item" dimension table has a primary key (PK) and a unique identifier (UID). The "Category" dimension table has a primary key (PK) and a unique identifier (UID). The "Region" dimension table has a primary key (PK) and a unique identifier (UID). The video also includes a sidebar with contact details for Projek DOS.

This workshop is designed to cover the fundamental concepts, including:

- Data Warehouse Architecture using Open Source technologies
- How to leverage a Data Warehouse for businesses, from SMEs to Enterprise
- Staging in 3NF and Dimensional Modeling: Star Schema (Fact & Dimension)
- Slowly Changing Dimensions: SCD Types 0, 1, and 2, and Data Marts
- Hands-on Session: Building BI Dashboards
- Technology Stack: Apache Superset & Apache Doris



Open Partnership & Collaborate



University

- + Hands-on training via workshops & labs.
- + Certification programs for students.
- + Support for building academic projects



Government

- + Training Program for digital and data literacy
- + Support for national/regional education initiatives.
- + Public sector upskilling & seminars.



Business

- + Custom training to upskill employees.
- + Practical sessions on trend technology stack
- + Event Workshop & Product Showcase



Community

- + Organizing meetups, hackathons, & open forums
- + Support for open-source contributions & learning
- + Knowledge sharing via local tech communities



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02

Data Understanding

About Me - Speaker

Theodorus Widhi

Data Engineer with 4+ years of experience in the banking industry, designing and delivering end-to-end data platforms, including Data Lakes and real-time data pipelines. Experienced in transforming data into actionable insights using tools and technologies such as Apache Kafka for data streaming and Talend for data integration.



Theodorus Widhi



Fastest Growing Careers

In the next upcoming years, Job related to Data & Artificial Intelligence are the **Top Performer & Highest Demands** on Job Market.

(Source: World Economic Forum)



FIGURE 2.2

Fastest-growing and fastest-declining jobs, 2025-2030

Top jobs by fastest net growth and net decline, projected by surveyed employers

Top fastest growing jobs

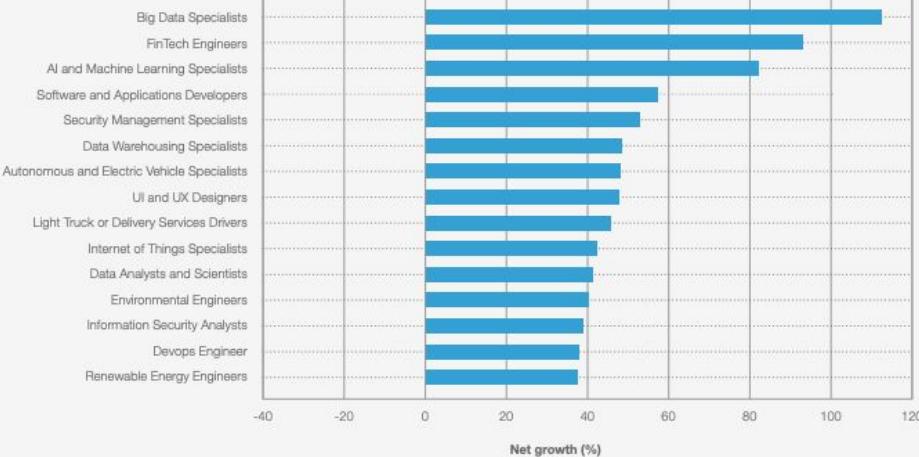


Image Credit: WEF

#1 Skills on Rise

Technological skills are projected to grow in importance more rapidly than any other type of skills. Among these, **AI and big data top the list as the fastest-growing skills**

(Source: World Economic Forum)

Reports
Published 7 January 2020

The Future of Jobs Report 2025

Download PDF 

Technological change, geographic fragmentation, economic uncertainty, demographic shifts and the green transition – individually and in combination are among the major drivers expected to shape and transform the global labour market by 2030. The Future of Jobs Report 2025 is the third edition of the annual report of the World Economic Forum, collectively representing more than 14 million workers across 22 industry clusters and 55 economies from around the world – to examine how these macrotrends impact jobs and skills, and the workforce transformation strategies employers plan to embark on in response across the 2020 to 2030 timeframe.

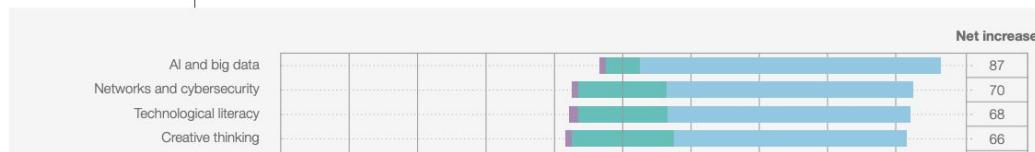


FIGURE 3.4

Skills on the rise, 2025-2030

Share of employers that consider skills to be increasing, decreasing, or remaining stable in importance. Skills are ranked based on net increase, which is the difference between the share of employers that consider a skill category to be increasing in use and those that consider it to be decreasing in use.



AI and big data top the list of fastest-growing skills, followed closely by **networks and cybersecurity** as well as **technology literacy**. Complementing these technology-related skills, **creative thinking, resilience, flexibility and agility**, along with **curiosity and lifelong learning**, are also expected to continue to rise in importance over the 2025-2030 period. Conversely, manual dexterity, endurance and precision stand out with notable net declines in skills demand, with 24% of respondents foreseeing a decrease in their importance.

Image Credit: WEF

Salary Range 😊

With **Senior/Lead/Manager Level of hands-on experience** in the data field, We are seeing competitive compensation. For example: Business Intelligence Analyst The average monthly salary typically **IDR 27,000,000,000 (even more)**, depending on the industry, experience, technical skill set, and company size.

[\(Source: michael page - Salary Guide 2025\)](#)

Technology

Salary Guide

Data below shows salary in IDR '000,000

Analytics	Average Gross Monthly Salary
Business Intelligence (BI) Analyst	27
Lead Data Analyst	30
Business Analytics Manager	39
Lead Data Engineer	42

Image Credit: Michael Page

Data making Insight

Data is just the raw material. It's a collection of facts and figures, scattered and disconnected—like loose pieces of a puzzle.

Analytics is the process of putting the puzzle together. It organizes the pieces and reveals the picture. You can see what's there and describe the scene.

Insight is understanding the story behind the puzzle. It's the moment you understand *why* the pieces fit together the way they do. With that understanding, you can predict what happens next and make smart decisions.

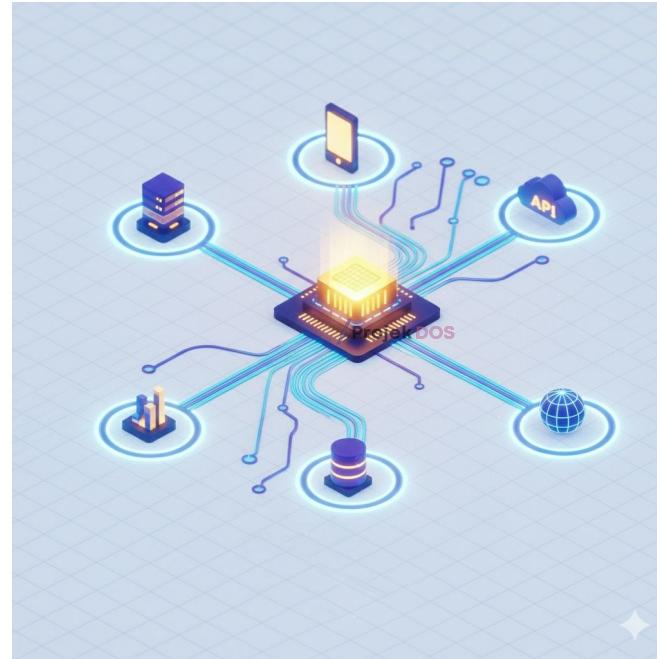
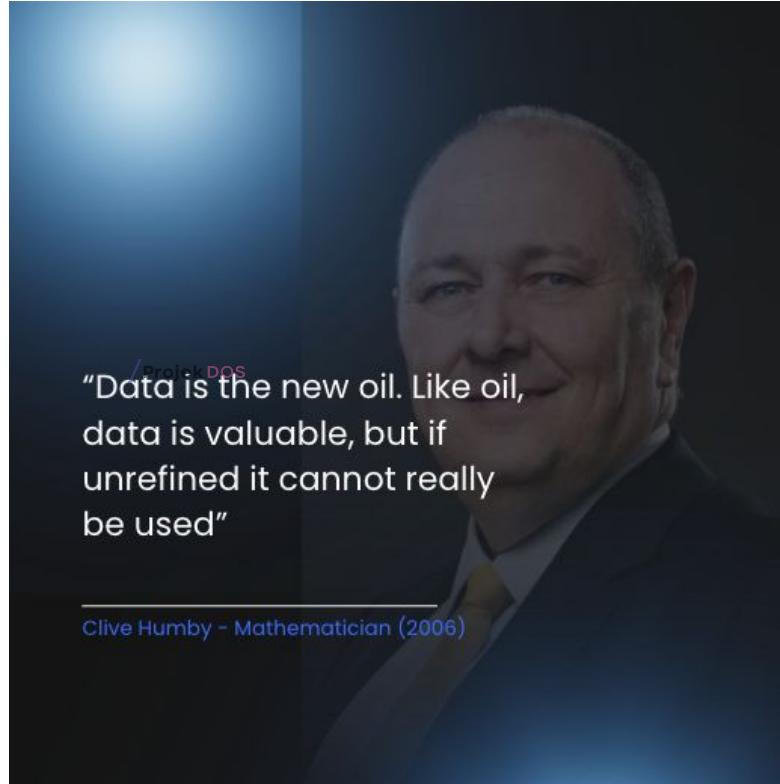


Image: Gemini AI generate (data platform)

“Data is the new Oil”

In the 21st century, data is the fuel that powers innovation, just like oil did in the industrial era. Raw data, like crude oil, has little value until it is refined.

Through analytics and business intelligence, data transforms into actionable insights that drive decisions, create new products, and unlock growth. Companies that harness data effectively dominate their markets, while those who ignore it risk being left behind.



Clive Humby - Mathematician (2006)

Support Decision Making

Raw data is valuable. When analyzed, it transforms into insight. Acting on those insights sparks meaningful actions, and those actions generate real value—higher profits, greater efficiency, and smarter, faster decisions.

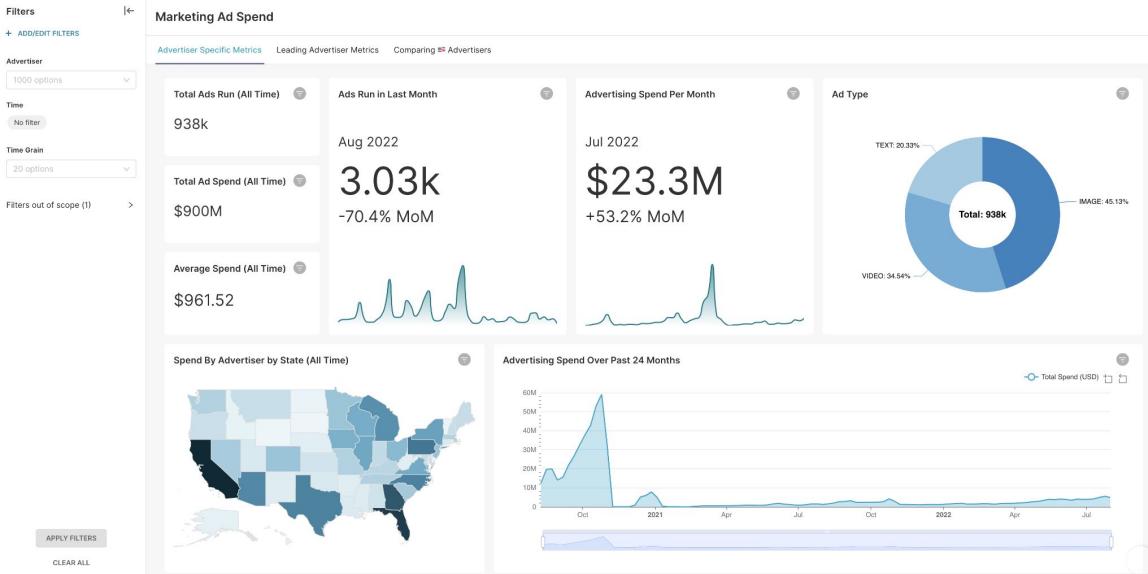


Image Credit: Preset.io

Google Map



Google monetizes Google Maps—selling advertising to local businesses and providing location-based services to enterprises.

The real product isn't the app—it's the data. Just like oil refined into fuel, data refined into insight powers entire industries.

Who use it? example:

- **Domino.** Location intelligence and routing to ensure on-time pizza delivery.
[\(source\)](#)
- **OYO Hotels.** Rich location details, maps for property booking, nearby attractions.
[\(source\)](#)
- **Tokopedia.** Address Autocomplete & validation to reduce delivery failures.
[\(source\)](#)

The screenshot shows the Google Maps Platform Pricing page. At the top, there are navigation links: Google Maps Platform, Why Google, Products, Solutions, Pricing, and Resources. A search bar and a 'C' icon are also present. Below the navigation, a banner says "Pay as you go and unlock automatic volume discounts." There are two tabs: "Product type" (which is selected) and "Use case". Under "Product type", there are four categories: Maps, Routes, Places, and Environment. The "Maps" category is selected. On the left, there's a large image of a map showing locations like Kitale, Eldoret, Nakuru, and Naivasha. To the right of the map, there's a section titled "PRODUCT TYPE" with a "Maps" icon. It describes building customized, agile experiences using Static and Dynamic maps, Street View imagery, and 360° views. To the right of this is a "MONTHLY COST CALCULATOR" box. It shows a breakdown for "Dynamic Maps": \$4,970 per month (estimate) for 1,000,000 requests, with "Included" up to 10K and "Map Loads" up to 10m. It also includes "Standard support" which is Free (included) and an option to "Upgrade to Enhanced Support". A large "\$4,970" is prominently displayed at the bottom of the calculator box.

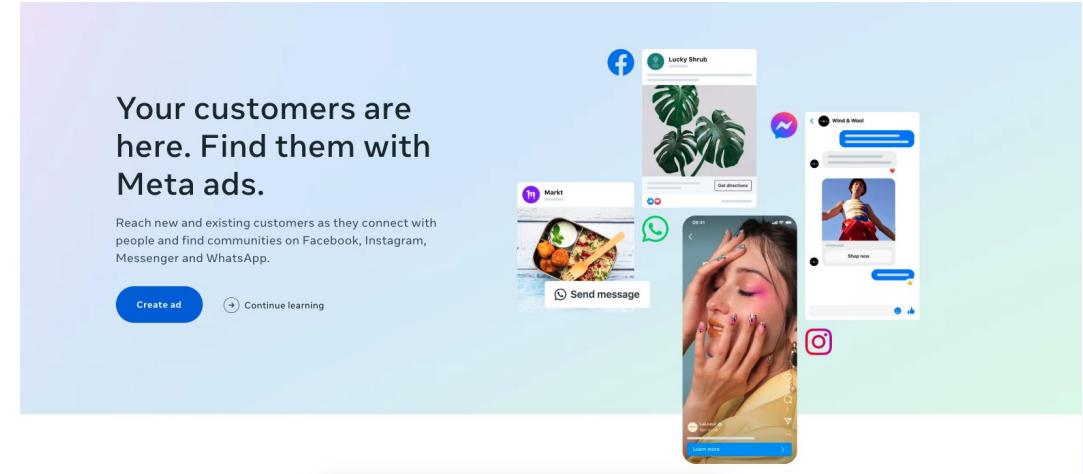
Image: Google Map Platform

Meta Ads



Meta (Facebook, Instagram) doesn't charge users. Instead, it collects massive amounts of behavioral data—likes, shares, clicks, time spent, location. This raw data is processed into detailed user profiles.

Businesses then pay Meta to target ads to highly specific audiences (e.g., Man aged 25-35 who like data and live in Jakarta'). This precision targeting drives higher ad ROI.



The image shows a screenshot of the Meta Ads landing page. The main headline reads "Your customers are here. Find them with Meta ads." Below it, a subtext states: "Reach new and existing customers as they connect with people and find communities on Facebook, Instagram, Messenger and WhatsApp." At the bottom, there are two buttons: "Create ad" and "Continue learning". To the right of the text, there is a collage of various Meta platforms and features: a Facebook post for "Lucky Stub", a WhatsApp message, a Messenger conversation, an Instagram post for "Wind & Wool", and a Facebook Marketplace listing for "Markt".

Image: Meta Ads

Enterprise (Banking)

For a large enterprise like Bank, raw data comes from millions of daily transactions, loan applications, and customer profiles. Alone, it's just numbers—but analysis converts it into powerful insights.

For example:

- credit scoring use **customer income, spending habits, repayment history, and digital behavior** to predict loan default risk.
- The analysis shows that applicants with high e-commerce spending but no existing loans have a 30% higher approval success rate, **while those with frequent late utility payments carry a higher default risk.**
- Acting on these insights, the bank optimizes its loan approval process, **speeding up low-risk approvals and rejecting high-risk profiles automatically.**
- This results in faster loan disbursement for **good customers**, a 20% reduction in NPL (Non-Performing Loans), and improved profitability.

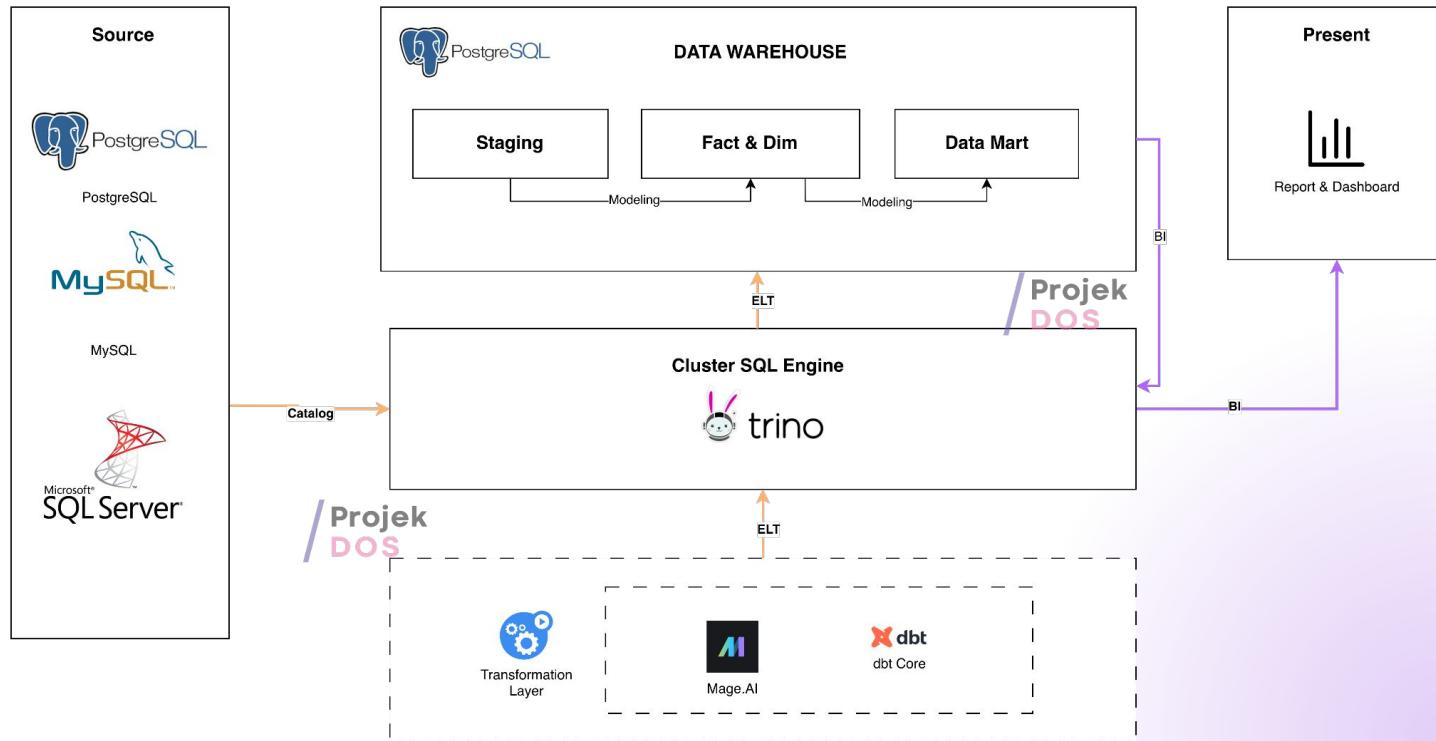


Image Credit: Bank Of America (Fortune)

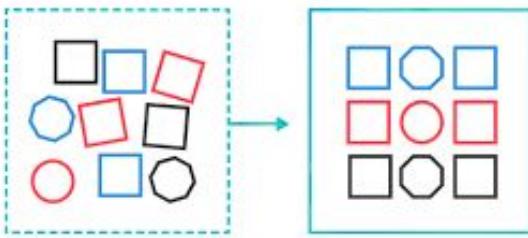
03

Data Transformation

Conceptual Design



Data Transformation

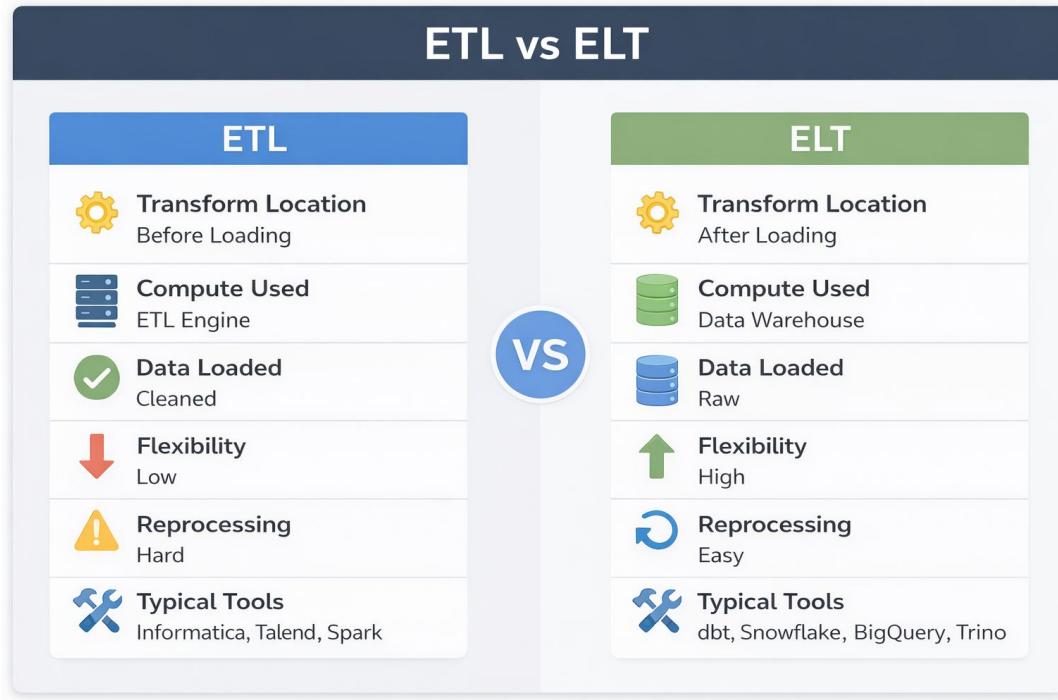


Process of **converting raw data into a clean, structured, and usable format** so it can be analyzed, reported on, or used by applications

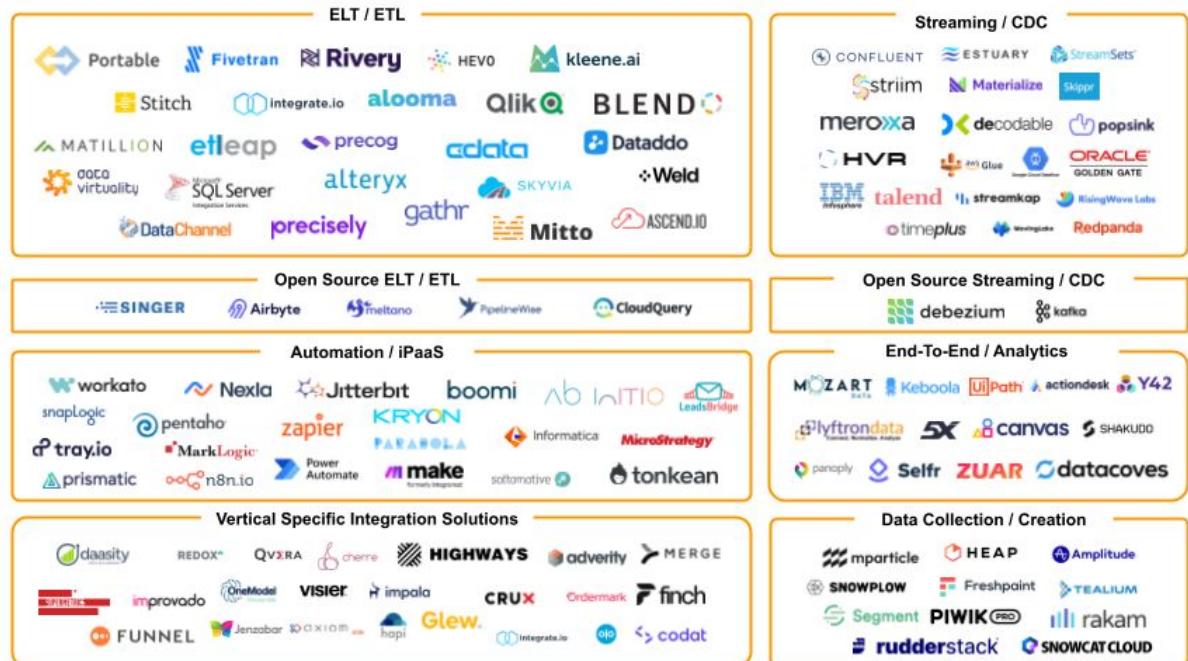
Why data transformation is important?

1. Inconsistent Data
2. Ensures data quality & consistency
3. Improves performance
4. Enables reliable decision-making

ETL & ELT



Why data transformation is important?



Need an ETL/ELT connector and don't want to search for it? **Portable** builds integrations on-demand for clients

<https://portable.io/learn/best-etl-tools>

DWH - Dimension SCD Type 0

SCD Type 0 – Retain Original

In SCD Type 0, the original data never changes, even if the real-world attribute changes.

DateKey	Date	Day	Month	Year
20240101	2024-01-01	Mon	Jan	2024
20240102	2024-01-02	Tue	Jan	2024
20240103	2024-01-03	Wed <small>/Projek DOS</small>	Jan	2024
20240104	2024-01-04	Thu	Jan	2024
20240105	2024-01-05	Fri	Jan	2024
20240106	2024-01-06	Sat	Jan	2024
20240107	2024-01-07	Sun	Jan	2024
20240108	2024-01-08 <small>/Projek DOS</small>	Mon	Jan	2024
20240109	2024-01-09	Tue	Jan	2024
20240110	2024-01-10	Wed	Jan	2024

DWH - Dimension SCD Type 1

SCD Type 1 – Overwrite

In SCD Type 1, old data is overwritten. Historical values are not kept.

ProductKey	ProductName	Category	Price
101	iPhone 14	Mobile	999
102	Galaxy S22	Mobile	899
103	MacBook Air	Laptop	1299
104	Dell XPS	Laptop	1199
105	iPad Pro	Tablet	799
106	Surface Pro	Tablet	999
107	Apple Watch	Wearable	399
108	Galaxy Watch	Wearable	349
109	Pixel Phone	Mobile	799
110	Asus ZenBook	Laptop	1099

DWH - Dimension SCD Type 2

SCD Type 2 – Add New Row (Track History)

In SCD Type 2, a new row is inserted when an attribute changes, keeping history with date ranges or version indicators.

CustomerKey	CustomerName	City	StartDate	EndDate	CurrentFlag
201	John Smith	New York	2023-01-01	2024-05-10	0
202	John Smith	Los Angeles	2024-05-11	9999-12-31	1
203	Mary Johnson	Chicago	2023-03-01	9999-12-31	1
204	James Brown	Boston	2023-02-15	2024-07-20	0
205	James Brown	San Francisco	2024-07-21	9999-12-31	1
206	Patricia Miller	Miami	2023-04-10	9999-12-31	1 Projek DOS
207	Robert Wilson	Seattle	2023-05-05	9999-12-31	
208	Linda Davis	Houston	2023-06-20	9999-12-31	1
209	Michael Garcia	Austin	2023-07-10	9999-12-31	1
210	Sarah Martinez	Denver	2023-08-01	9999-12-31	1
211	David Anderson	Portland	2023-09-15	9999-12-31	1
212	Emma Thompson	Dallas	2023-10-05	9999-12-31	1
213	Paul Clark	Atlanta	2023-11-20	9999-12-31	1

04

DBT Introduction

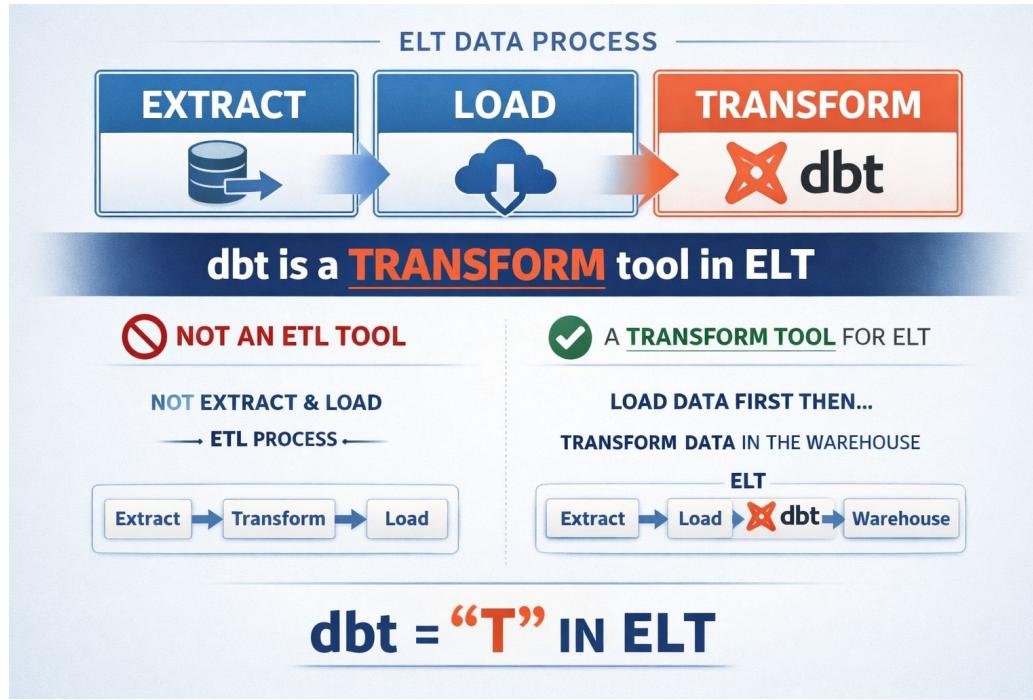
What is dbt ?



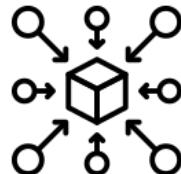
Open-source analytics engineering framework designed to transform raw data into reliable, analytics-ready datasets within a modern data stack.

<https://www.getdbt.com/>

What is dbt ?



Why dbt ?



Single source of truth

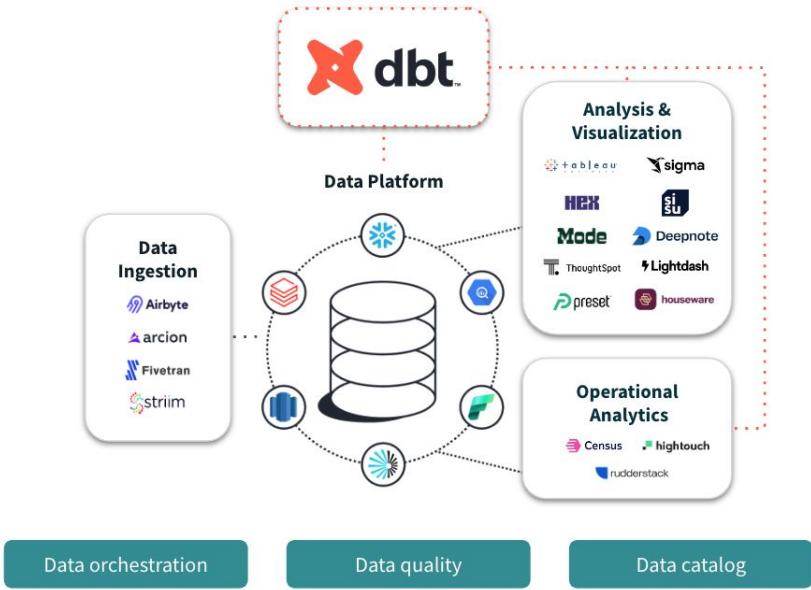


Scalable SQL



Documentation & Data Lineage

dbt



dbt compiles and runs your analytics code against your data platform, enabling you and your team to collaborate on a single source of truth for metrics, insights, and business definitions

Dbt Adapters

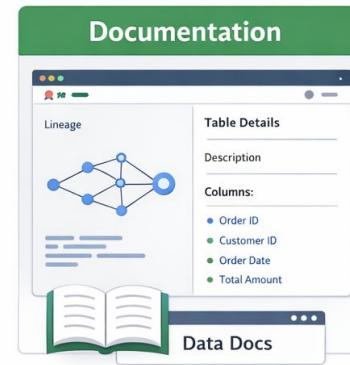
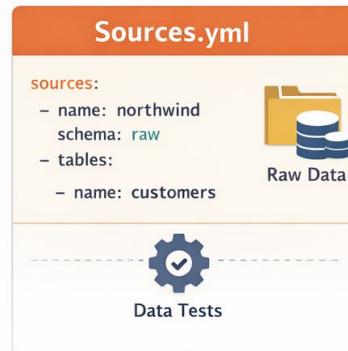
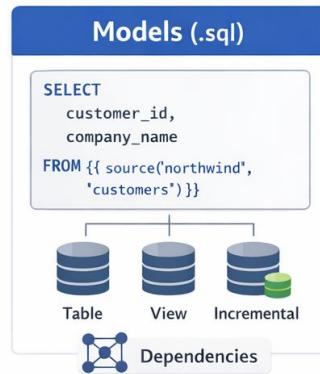


<https://docs.getdbt.com/docs/community-adapters>

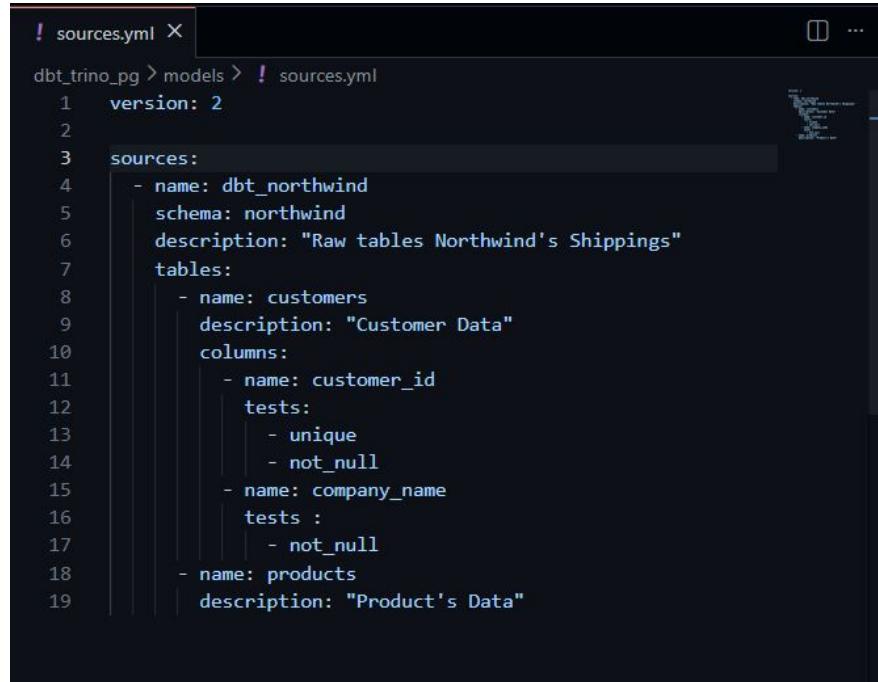
05

DBT Core Component

Core Component



Sources



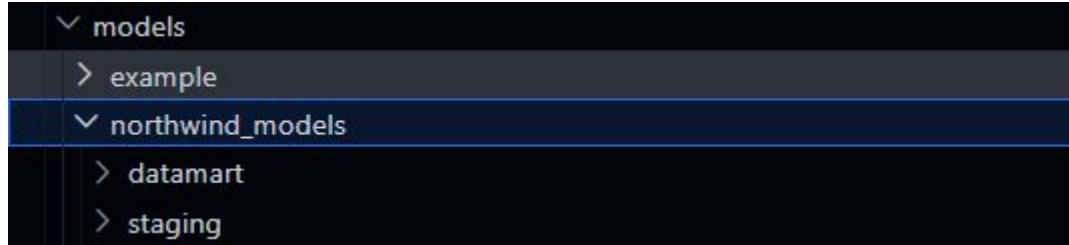
The screenshot shows a code editor window with a dark theme. The file being edited is named 'sources.yml'. The code defines a raw data source named 'dbt_northwind' from the 'northwind' schema. It includes a description and lists tables like 'customers' and 'products' with their respective descriptions and columns. Column-level tests such as 'unique' and 'not_null' are specified for certain columns.

```
! sources.yml X
dbt_trino_pg > models > ! sources.yml
1 version: 2
2
3 sources:
4   - name: dbt_northwind
5     schema: northwind
6     description: "Raw tables Northwind's Shippings"
7     tables:
8       - name: customers
9         description: "Customer Data"
10        columns:
11          - name: customer_id
12            tests:
13              - unique
14              - not_null
15          - name: company_name
16            tests :
17              - not_null
18          - name: products
19            description: "Product's Data"
```

What: Definitions of raw data sources

Purpose: Document upstream data

Models

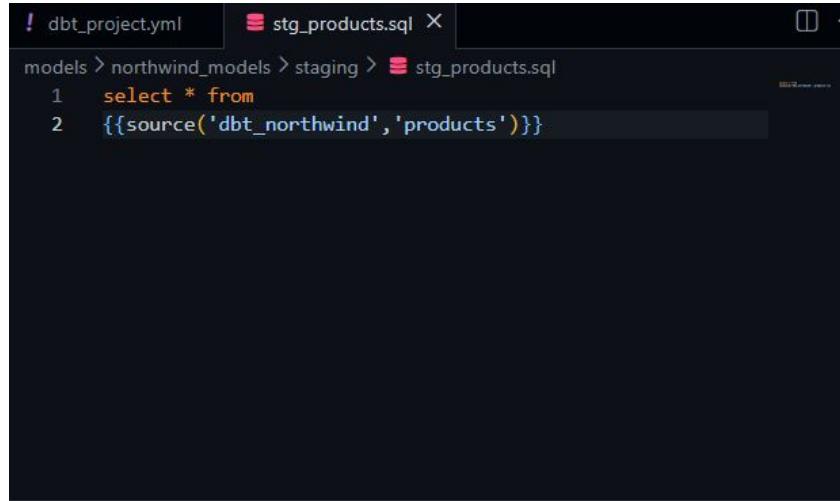


What : SQL files that define transformations

Purpose: Transform raw data into analytics-ready tables/views

Materializations: view, table

Models (Jinja + SQL)



The screenshot shows a dark-themed code editor with two tabs: 'dbt_project.yml' and 'stg_products.sql'. The 'stg_products.sql' tab is active and displays the following SQL code:

```
models > northwind_models > staging > stg_products.sql
1   select * from
2   {{source('dbt_northwind','products')}}
```

Jinja is a templating engine used by dbt to make SQL:

- **dynamic**
- **reusable**
- **environment-aware**
- **interpretable by dbt to build a DAG**

Models (Source & Ref)

```
models/northwind_models/staging/stg_products.sql
1 select * from
2 {{source('dbt_northwind','products')}}
```

source() — for raw / upstream data

source() is used to reference tables that already exist in the database and are not created by dbt.

Must be defined in sources.yml

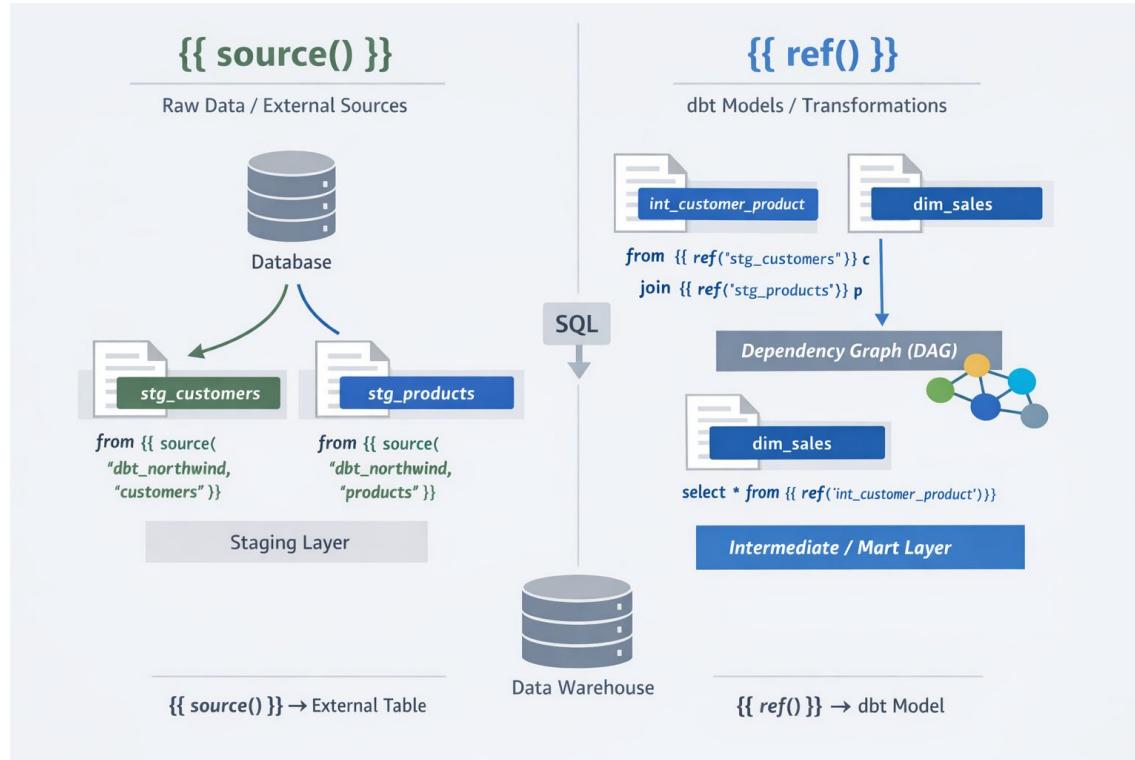
```
3 select *
4 from {{ref('stg_products')}}
```

ref() — for dbt models

ref() is used to reference models that are built by dbt itself

Does NOT need to be defined in YAML

Models (Source & Ref)



Tests

```
- name: customers
  description: "Customer master data"
  columns:
    - name: customer_id
      tests: [not_null, unique]
    - name: company_name
      tests: [not_null]
```

What : Data quality checks

Purpose: Ensure data reliability

Built-in tests: not_null, unique

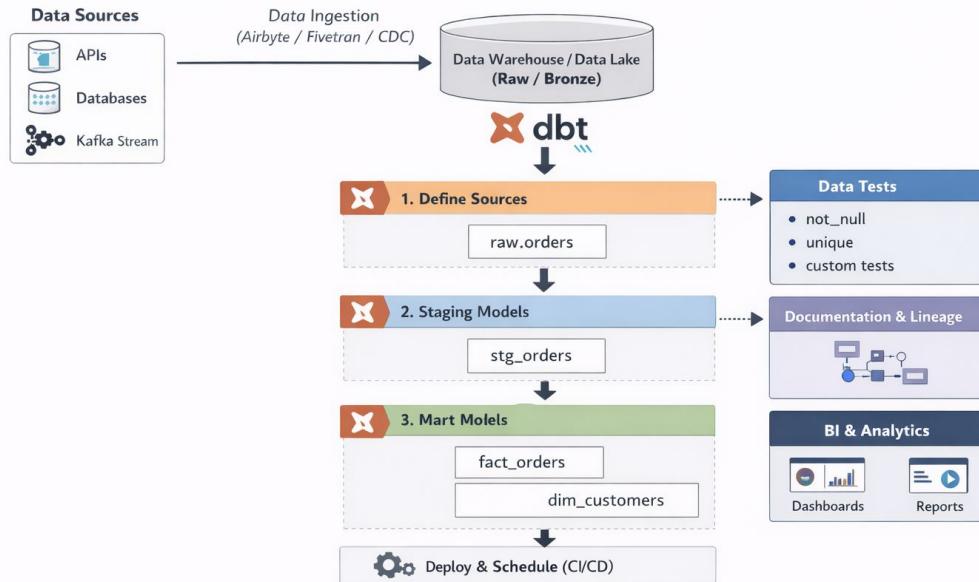
Documentation & dbt UI

The screenshot shows the dbt UI interface. On the left, there's a sidebar with a 'Sources' section listing various tables under 'dbt_northwind'. The main area displays the 'dbt_northwind' source details, including its contract (Not Enforced), loader, owner (postgres), database (northwind), schema (northwind), and 14 tables. Below this, there's a 'Description' section with the note 'Raw Northwind tables' and a 'Source Tables' section. To the right, a large dark blue box titled 'Lineage Graph' shows the relationships between tables. It lists several tables in green boxes: 'dbt_northwind.shippers', 'dbt_northwind.us_states', 'dbt_northwind.customers', 'dbt_northwind.employee_territories', and 'dbt_northwind.categories'. Arrows indicate dependencies: 'dbt_northwind.customers' points to 'customer_staging' and 'country_customer', while 'dbt_northwind.employee_territories' points to 'country_customer'.

What :Auto-generates data docs

Purpose: Model descriptions , data lineage

Dbt workflow



Dbt Command

KEY dbt CORE COMMANDS

Key dbt Core Commands:

- ✓ **dbt run** — execute models
- ✓ **dbt test** — run tests
- ✓ **dbt build** — build models, tests, snapshots
- ✓ **dbt docs generate** — generate documentation

<https://docs.getdbt.com/reference/dbt-commands>

06

Trino Introduction

What is Trino



Distributed SQL query engine used to run fast SQL queries across multiple data sources, without moving the data into a single database

Why Trino ?



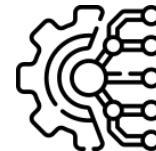
Multi-source SQL



Fast & Scalable



Fully Support SQL



Easy Integration

Comparison

Trino		VS	Traditional Database
Stores Data	✗ No	✓ Yes	
OLTP	✗ No	✓ Yes	
OLAP	✓ Excellent	⚠ Depends	
Cross-Source Joins	✓ Yes	✗ No	

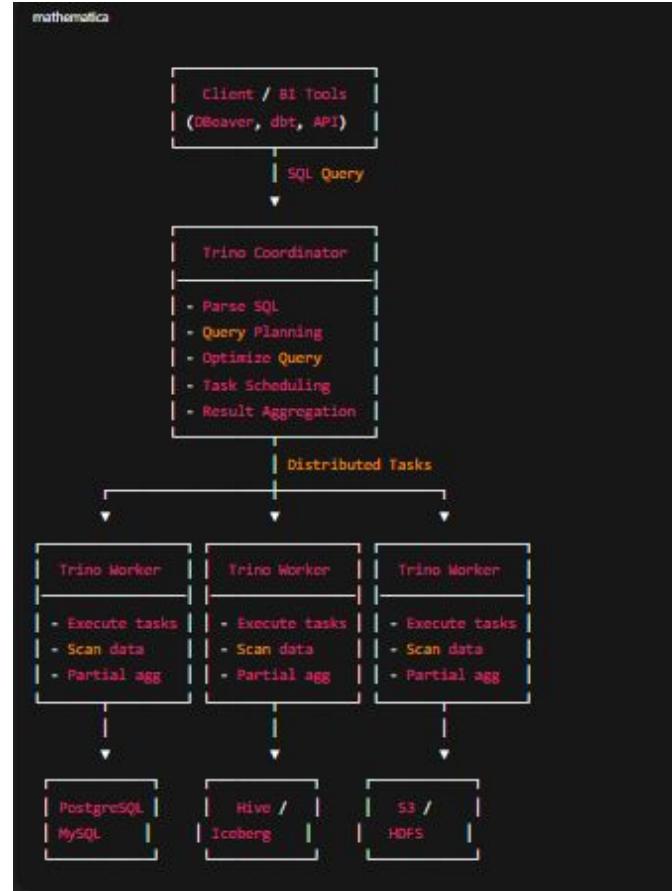
Trino Architecture

Trino Coordinator

- SQL Parser
- Scheduling task to worker

Trino Worker Nodes

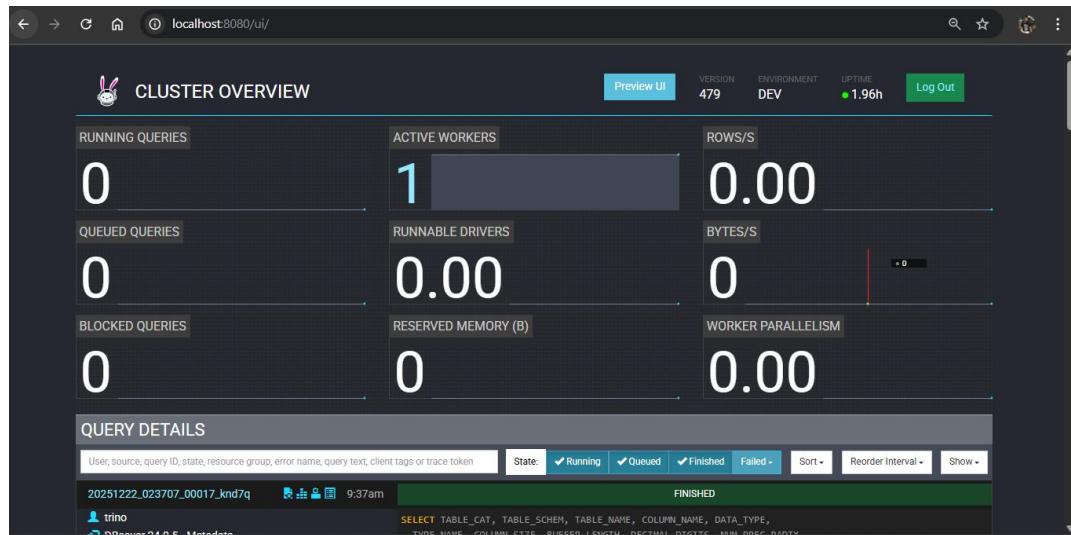
- Task Execution
- Read from Source



Trino UI

built-in web interface used to monitor Trino clusters, queries, and resource usage.

- Query Monitoring
- Cluster & Node Monitoring



Trino Connector

A plugin/adapter in Trino that enables Trino to access, read, and query data from multiple data sources as if they all reside in a single database.

The screenshot shows the Trino 479 Documentation website. The top navigation bar includes links for Overview, Installation, Clients, Security, Administration, Query optimizer, Connectors, BigQuery, Black Hole, Cassandra, ClickHouse, Delta Lake, Druid, DuckDB, Elasticsearch, Exasol, Faker, Google Sheets, Hive, Hudi, Iceberg, Ignite, JMX, Kafka, Lakehouse, Loki, MariaDB, Memory, MongoDB, MySQL, OpenSearch, Oracle, and Pinot. The main content area is titled "Connectors" and contains a brief description of what connectors are used for. A search bar and a GitHub link are also visible at the top right.

Trino 479 Documentation

Connectors

This section describes the connectors available in Trino to access data from different data sources by configuring catalogs with the connector-specific properties in catalog properties files.

- BigQuery
- Black Hole
- Cassandra
- ClickHouse
- Delta Lake
- Druid
- DuckDB
- Elasticsearch
- Exasol
- Faker
- Google Sheets
- Hive
- Hudi
- Iceberg
- Ignite
- JMX
- Kafka
- Lakehouse
- Loki
- MariaDB
- Memory
- MongoDB
- MySQL
- OpenSearch
- Oracle
- Pinot

<https://trino.io/docs/current/connector.html>

Trino Catalog

To presented as single layer
SQL engine connecting to:

- PostgreSQL
- Apache Hive
- MySQL
- SQLserver
- Apache Kafka
- More

```
[administrator@doslabs3 catalog]$ ls
dwh_iceberg_catalog.properties  iceberg.properties  lakehouse_jdbc.properties  lakehouse.properties  pg_labs.properties
[administrator@doslabs3 catalog]$ cat pg_labs.properties
connector.name=postgresql
connection-url=jdbc:postgresql://[REDACTED]:5432/warehouse_db
connection-user=admin
connection-password=[REDACTED]
```

```
trino> show catalogs;
Catalog
-----
pg_labs
system
(2 rows)

Query 20251226_002128_00000_sxngb, FINISHED, 1 node
Splits: 11 total, 11 done (100.00%)
0.68 [0 rows, 138B] [0 rows/s, 202B/s]

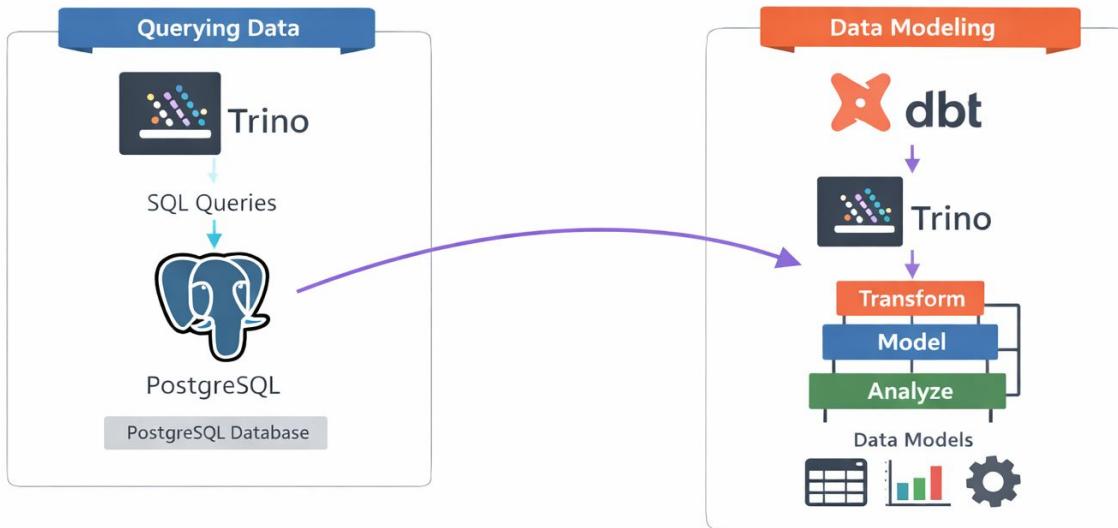
trino> show schemas in pg_labs;
Schema
-----
information_schema
pg_catalog
public
(3 rows)

Query 20251226_002136_00001_sxngb, FINISHED, 1 node
Splits: 11 total, 11 done (100.00%)
0.27 [3 rows, 237B] [11 rows/s, 881B/s]
```

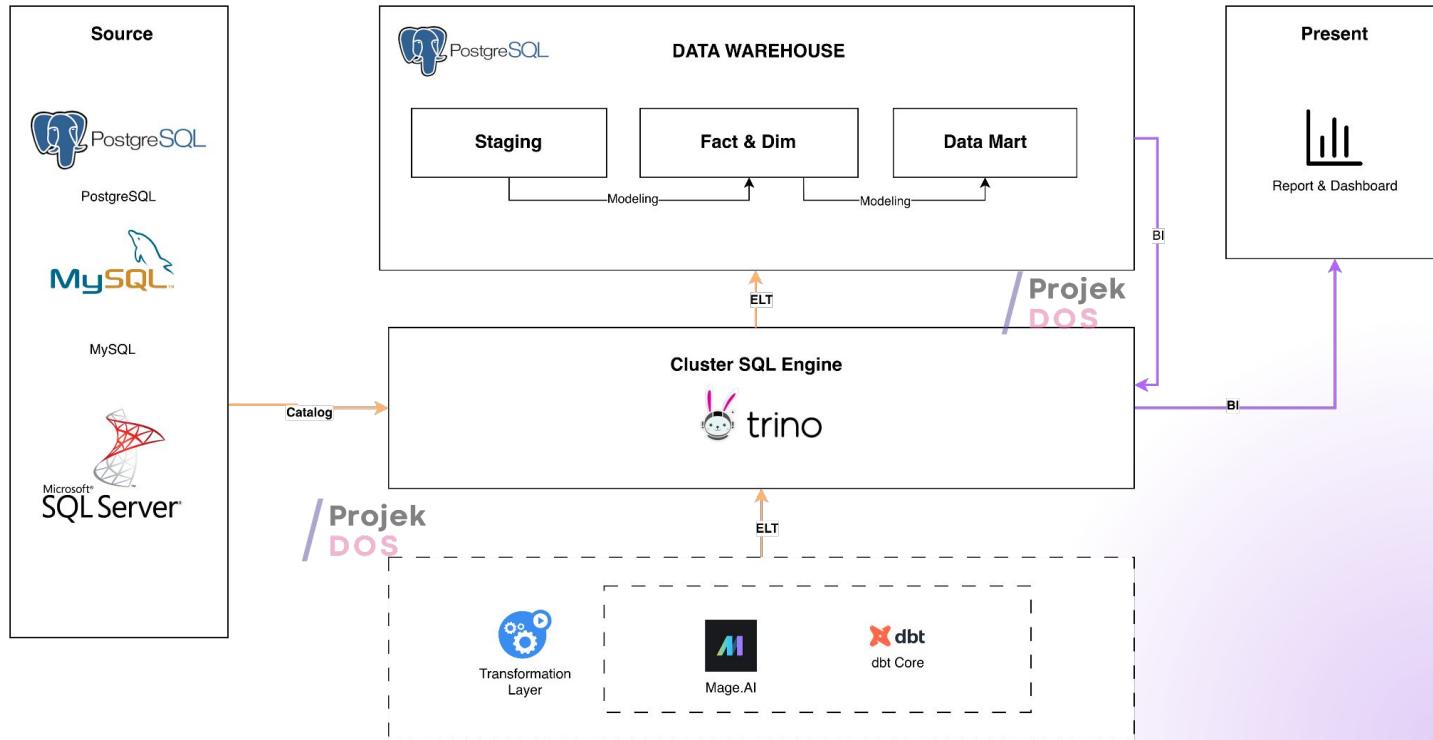
07

Architecture Layer (Demo)

Layer



Layer



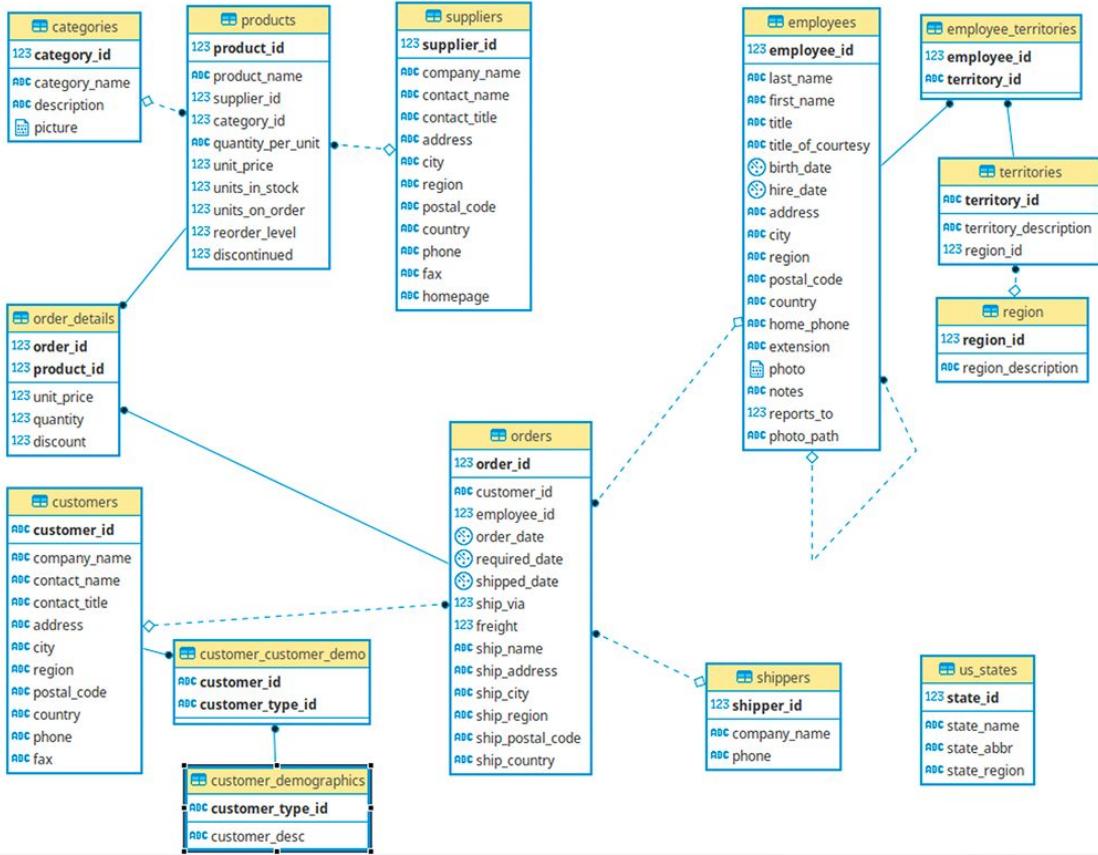
07

Demo Use Case

Demo Outline - Northwind dataset

1. Create new dbt project - connect to trino
2. Create 1 Staging Table - stg customers
3. Create 1 Dimension with SCD 1 - dim customers
4. Create Fact Model - (order & order detail)
5. Create Datamart Model - Customer Sales Order
(dim_customer , fact_orders)
6. Generate dbt UI
7. Schedule with cron

Dataset : https://github.com/pthom/northwind_psql



Hands On Labs

09

Summary & Quiz

Summary

Participants learned how **dbt Core** and **Trino** support modern **ELT and data warehousing**.

We understood dbt's role in transforming data inside the warehouse using SQL, modeling best practices, testing, and documentation. We also learned how Trino enables fast, federated querying across multiple data sources without data movement. Together, these tools help build scalable, well-modeled data warehouses that power reliable analytics and BI.



 PostgreSQL
trino

Quiz

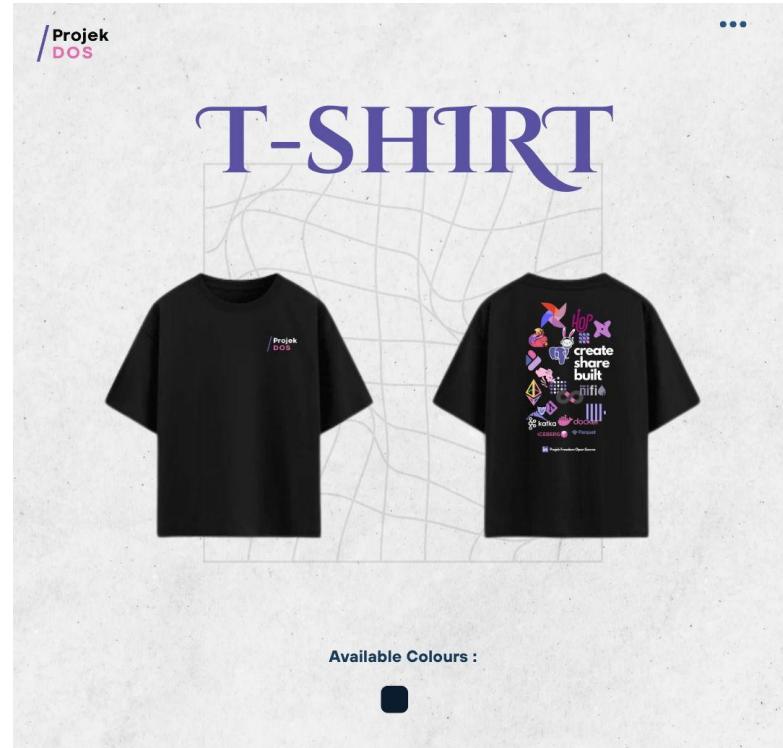


- URL: <https://github.com/projekdos>
- Repository: [elt_workshop_dbt_trino_batch1](#)
- Read the Instruction (Mapping file)
- Do, Observe & Solve

Please submit the result to :

1. info@projekdos.com , or
2. projek.freedomopensource@gmail.com

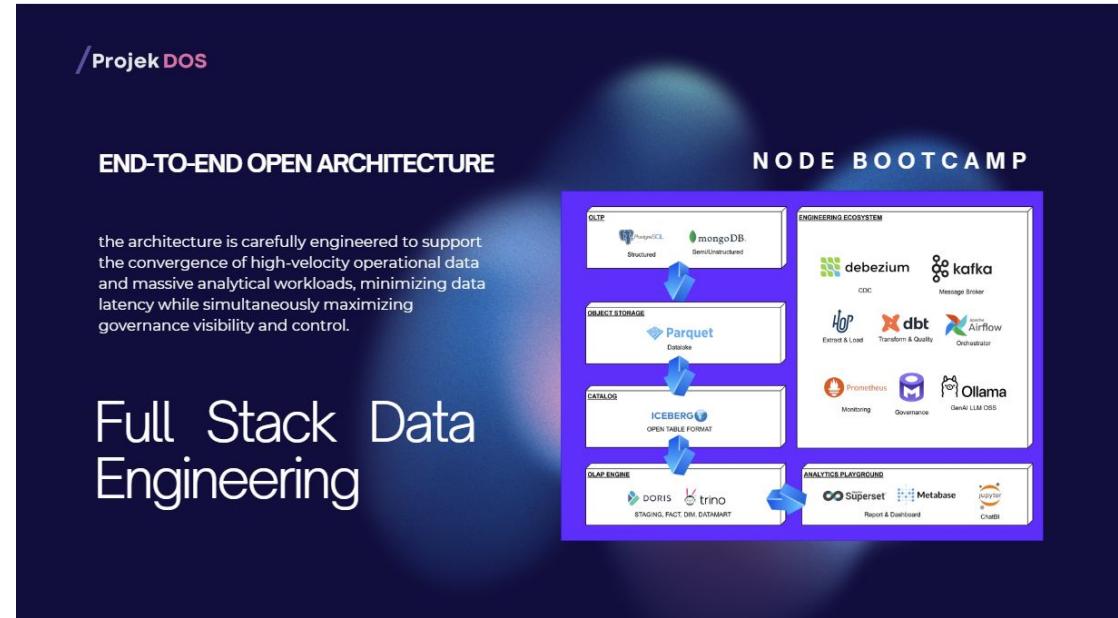
Total 1 winner will get Free Merchandise from us!



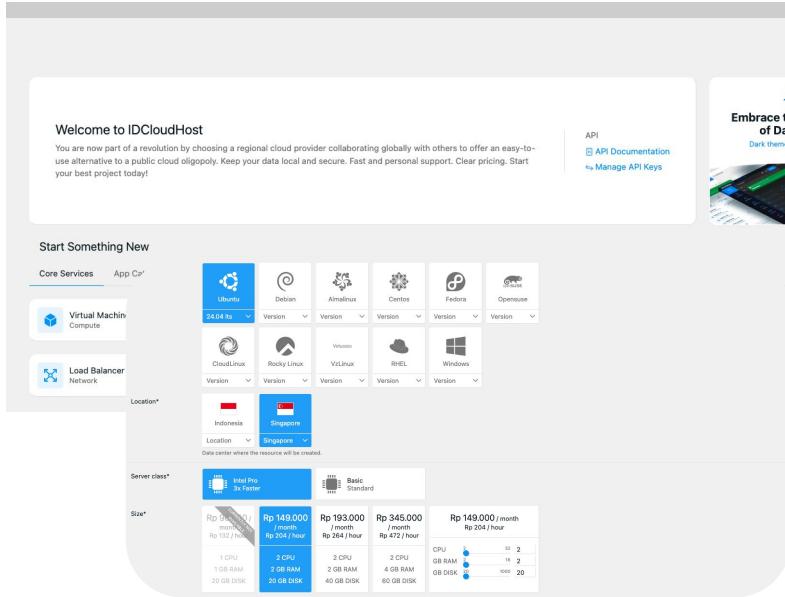
What's next

The Next Open Data Ecosystem (NODE) Bootcamp 2026 is a full-stack online program that transforms participants into production-ready data engineer, data architects, bi developer, quality and operators, capable of building, governing, and scaling modern data ecosystems using a fully open-source stack.

More: <https://projekdos.com/bootcamp/>



Cloud Server by: Id CloudHost



Welcome to IdCloudHost
You are now part of a revolution by choosing a regional cloud provider collaborating globally with others to offer an easy-to-use alternative to a public cloud oligopoly. Keep your data local and secure. Fast and personal support. Clear pricing. Start your best project today!

Start Something New

Core Services App Catalog

Virtual Machine Compute

CloudLinux Ubuntu Version 24.04 LTS

Debian Version

Almalinux Version

CentOS Version

Fedora Version

OpenSUSE Version

CloudLinux Version

Rocky Linux Version

VtLinux Version

RHEL Version

Windows Version

Location* Indonesia Singapore

Data center where the resource will be created.

Server class* Intel Pro 3a Prime Basic Standard

Size* Rp 132,000 / month Rp 149,000 / month Rp 193,000 / month Rp 345,000 / month Rp 149,000 / month

1 CPU	2 CPU	2 CPU	2 CPU	CPU
1 GB RAM	2 GB RAM	2 GB RAM	4 GB RAM	32 2
20 GB DISK	20 GB DISK	40 GB DISK	60 GB DISK	16 2
				1000 20



Compute Engine:

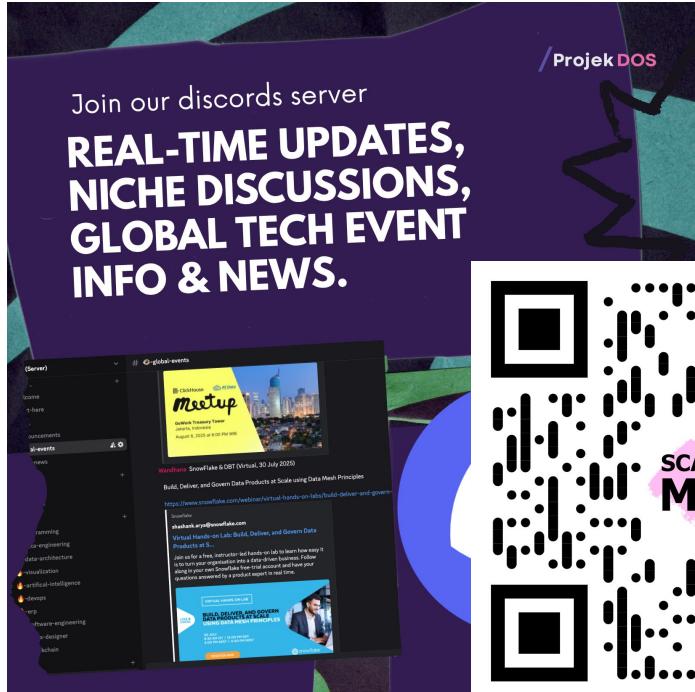
- <https://console.idcloudhost.com/>
- Referral; Get Voucher Rp25,000
<https://console.idcloudhost.com/referral/8d3mf2>

Thanks!

Contact:

 contact@projekdos.com

 www.projekdos.com



 Projek DOS