

query and analysis tools datawarehouse



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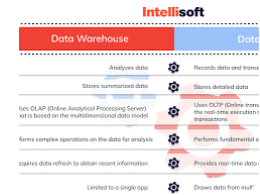
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Id En Listen

Query and analysis tools for data warehouses help extract, transform, load (ETL), and analyze large datasets for business intelligence (BI) and decision-making, using languages like **SQL** and platforms like **Snowflake**, **BigQuery**, **Redshift**, enabling reporting, dashboards, and advanced analytics through interfaces and direct queries, turning raw data into actionable insights.

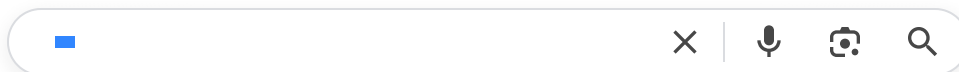


Key Tool Categories & Examples

- **Data Warehouse Platforms (Storage & Processing):**
 - **Cloud-Based:** Snowflake, Google BigQuery, Amazon Redshift, Azure Synapse/Fabric, Oracle Autonomous DW.
 - **On-Premise/Hybrid:** IBM DB2 Warehouse, Oracle, Microsoft SQL Server.
- **ETL/Data Integration Tools:** Tools that move data from sources to the warehouse (e.g., Informatica, Talend, Fivetran, or built-in features in platforms like Fabric).
- **Querying & Analysis Tools:**
 - **SQL Clients:** DBeaver, SQL Server Management Studio, BigQuery Console (for writing SQL).
 - **BI Tools (Visualization/Reporting):** Tableau, Power BI, Looker (connect to the warehouse to build dashboards).
 - **Analytical Engines:** Apache Spark (often via Databricks) for complex analytics.

Core Functions of These Tools

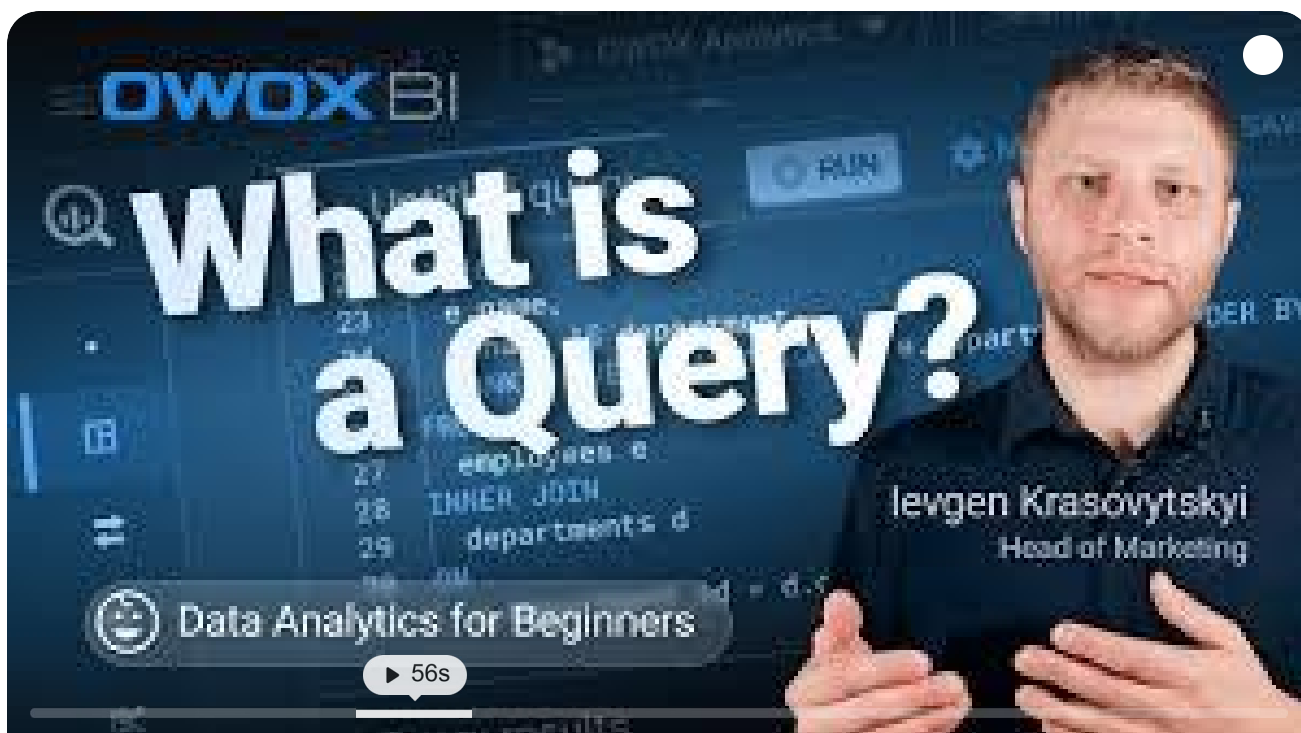
- **Extraction, Transformation, Loading (ETL/ELT):** Pulling data from various sources, cleaning/standardizing it, and loading it into the warehouse.



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- **Online Analytical Processing (OLAP):** Multi-dimensional analysis for deeper insights.
- **Reporting & Visualization:** Creating charts, graphs, and dashboards for easy consumption. [🔗](#)

This video provides a tutorial on using SQL for data analysis:



 OWOX
YouTube • 30 Mei 2024

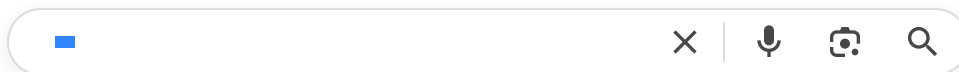
Why They're Used

- **Centralized Data:** A single source of truth for all organizational data.
- **Faster Insights:** Optimized for complex analytical queries, unlike transactional databases.
- **Decision Support:** Powers business intelligence for strategic planning.
- **Historical Analysis:** Stores historical data for trend analysis. [🔗](#)

Top 10 data warehouse tools for modern teams - RudderStack

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21 Mei 2025 — How do Data Warehouse tools help? * Data extraction: The first and foremost thing that a data warehousing tool does is ...

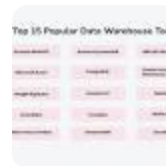
 Astera Software



Top 15 Popular Data Warehouse Tools - GeeksforGeeks

7 Des 2025 — A data warehouse is a centralized system used for storing, reporting, and analyzing large volumes of structured and semi...

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DQLab

<https://dqlab.id> > 5-tools-populer-data-science-untuk-dat...

5 Tools Populer Data Science Untuk Data Warehousing

18 Des 2022 — **BigQuery Omni** merupakan tool multi-cloud analytics untuk analisis data. Kalian bisa bebas menggunakan data dari Google Cloud, Amazon Web ...



GeeksforGeeks

<https://www.geeksforgeeks.org> > ...

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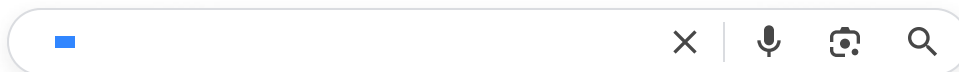


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17 Jun 2025 — Unlike traditional databases designed for transaction processing, **data warehouses are optimized for query performance and analytical workloads.**



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/ Software Data warehouse terbaik tahun 2024

1 Nov 2024 — **1. Snowflake** · 2. Google BigQuery · 3. Amazon Redshift · 4. Cloudera · 5. Teradata · 6. IBM Db2 Warehouse · 7. Microsoft Azure Synapse Analytics.



Integrate.io

<https://www.integrate.io> › 1...

17 Best Data Warehousing Tools and Resources

1 Sep 2025 — **Snowflake, Google BigQuery, and Amazon Redshift** are among the best data warehousing tools for handling real-time data. Integrate.io enhances ...



Cloud Computing Indonesia

<https://www.cloudcomputing.id> › pengetahuan-dasar

Apa Itu Data Warehouse? Pengertian dan Fungsinya untuk ...

5 Agu 2024 — Tool Kueri (Query Tools): **Alat untuk mengajukan pertanyaan dan kueri terhadap data dalam data warehouse.** Pengguna dapat mengekstrak informasi ...

Orang lain juga bertanya :

What are the tools used for data warehousing?



What are ETL tools for data warehousing?



What are the tools used in data analysis?



Is Tableau a data warehouse tool?

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Google Cloud

<https://cloud.google.com> › b...

BigQuery | AI data platform | Lakehouse | EDW

BigQuery is the autonomous data and AI platform, automating the entire data life cycle so you can go from data to AI to action faster.



BINUS UNIVERSITY

<https://sis.binus.ac.id> › 2024/06/21 › data-warehouse

DATA WAREHOUSE



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Top Data Warehouse Tools: Use Cases, Features, & Costs

17 Sep 2025 — **Explore standout features, costs, and more** to find the right data warehouse tool for your team's workload and ecosystem.



Telkom University

<https://bds.telkomuniversity.ac.id> > data-warehouse-peng...

Data Warehouse: Pengertian, Fungsi, dan Contohnya

6 Okt 2025 — Contoh platform data warehouse modern antara lain **Amazon Redshift, Google BigQuery, Snowflake, dan Microsoft Azure Synapse Analytics**. Platform ...

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Data warehouse software tools



Top data warehouse platforms



Data warehouse tools open-source



ETL tools



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