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pg_duckdb is an open source (MIT licensed) Postgres extension that embeds DuckDB's state-of-the-art analytics engine and features within Postgres.

What's pg_duckdb?

Using pg_duckdb is the easiest way to build real-time applications and analytics with Postgres.

A pg_quack ☐ 0.1.0	
च milestone:0.1.0	
Títle	Status
1 📀 heap scan: thread safe de-toasting #10	Done
2 📀 heap scan: column selection pushdown #11	Done
3 📀 heap scan: numeric filter pushdown #12	Done
4 📀 Add memory allocator #3	Done
5 🐌 PostgreSQL memory allocator and multi thread scan #9	Done
6 🔭 Postgres Replacement Scan #5	Done
7 📀 Add test infrastructure and Cl #1	Done
8 📀 EXPLAIN should show duckdb is being used #13	Done

NGNGNG What can pg_duckdb do? NGNGNGNG

- SELECT queries executed by the DuckDB engine can directly read Postgres tables.
- Read parquet and CSV files from object storage (AWS S3, Cloudflare R2, or Google GCS).
- Enable the DuckDB Iceberg extension using SELECT duckdb.enable_extension('iceberg') and read Iceberg files with iceberg_scan.
- Write a query or an entire table to parquet in object storage.
- Read and write to Parquet format in a single query
- Query and JOIN data in object storage with Postgres tables, views, and materialized views.
- Create indexes on Postgres tables to accelerate your DuckDB queries



pg_duckdb repo

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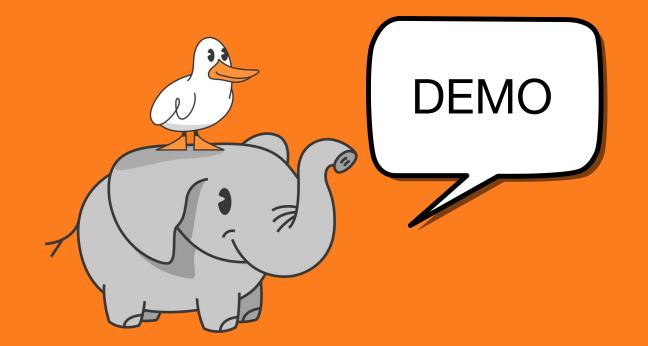
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duckdb/pg_duckdb





Let's try it out





To wrap up

duckdb/pg_duckdb





THANK YOU

