What The Heck Is DuckDB?

Introduction

DuckDB is an embeddable, row-based, and b-tree indexed data store well suited for an embeddable, row-based, and b-tree indexed data store well suited for analytic workloads. While SQLite is typically implemented as row-oriented, DuckDB is not. It has some great utility as well. Then, I started working with them more extensively in the past year. I'm especially keen on the project. I wrote this, so if I seem like a bit of a fanboy, it's because I'm legitimately very keen on the project.

Overview

DuckDB is briefly described as SQLite for analytic workloads. While SQLite is not reliant on any external config files or settings, fully ACID compliant, and fully SQL-compliant (but not ACID compliant), DuckDB is ACID compliant. As a data protocol for the data import and query results, not only is it a great technical example of WASM, but it has some great utility as well. Then, I decided to use their very clever WASM of it as an embedded database.

Typically implemented as row-oriented, DuckDB is strongly typed, with columnar storage. It was developed as a data protocol for the data import and query results. Not only is it a great technical example of WASM, but it has some great utility as well. Then, I decided to use their very clever WASM of it as an embedded database.

For your operation workloads, you can use DuckDB for your analytic workloads, and then it is in your database, so it then feels very simple installation.

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DuckDB as a commercial company formed by the creators of Amazon Redshift, which is an AWS product. In January 2022, Amazon announced that the creators of Amazon Redshift had joined Amazon as part of a new company named Thekompany. Thekompany, while it’s a commercial company formed by the creators of Amazon Redshift, and as much as I pay attention to the data space, I hadn’t heard of this one, so I thought I’d investigate and answer the question "What the heck is DuckDB?"

GitHub

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Tutoring

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Summary

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