

SQLITE



Showcased by Gruschka J. and Pirani A.

WHAT IS IT?

SQLite is a lightweight, open source and embedded **RDBMS** widely used for its simplicity and efficiency



Every database contains a **schema table** that stores the schema for that database

SQLite is the **most** widely deployed and used Database Engine, while being one of the **smallest** in size: only 750 KiB

ACID



Atomic

All changes to data are **performed together**



Consistent

Data is always in a **consistent state**



Isolated

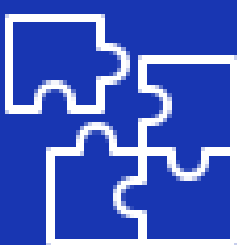
Transactions do not **interfere**



Durable

Changes made to data **persist**

FEATURES



Performing: more than 2x faster than (most) SQL based databases

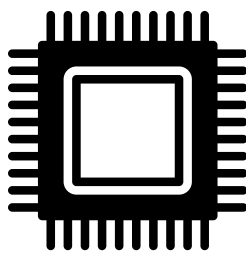
Secure: with the SEE protocol for DB encryption

Tested: more than 90k lines of tests

WHEN TO USE?



Small Websites



Embedded Devices



Data Analysis

and more...

MARKET



- 9th place among the other DBs
- used by Google, Apple & more



DEMO

Find out **more** on our github page:
<https://github.com/AntonioPirani/SQLiteProject>