Getting started with SQLite

Presenter: Harsh Wardhan, Mindfire Solutions

Agenda

- What is SQLite?
- Who is using SQLite?
- Where to use SQLite?
- What makes SQLite different?
- Understanding SQLite constraints.
- Understanding SQLite Functions.
- Live demo.

What is SQLite?

- – Created by D. Richard Hipp.
- – A self contained, serverless, zero-configuration, transactional database engine.
- – Small footprint around 0.5 MB.
- – Entire database in a single file.
- – ACID transactions.
- – In public domain.

Who is using SQLite?

Where to use SQLite?

- Stand alone applications.
- Local database cache.
- Session database.
- Embedded devices.
- Internal or temporary databases.
- Application file format.
- Don't use in client/server applications, high volume websites, high concurrency requirements.

What makes SQLite different?

– Zero-configuration and serverless.

– Single file database.

– Stable cross platform database files.

– Manifest typing.

– Variable length record.

Features not supported

– Right and full outer join.
– Complete alter table support.
– Complete trigger support.
– Writing to views.
– Grant and Revoke.

SQLite Constraints

– Not null.
– Unique.
– Primary key.
– Foreign key.
– Check.
– Default.

SQLite Functions

- Core functions.
- Aggregate functions.
- Date & Time functions.

Time for a Live Demo.

- Install SQLite.
  http://www.sqlite.org/download.html
- Create SQLite database and tables.
- Basic operations using SQLite.
- Let's get a database manager.
  http://sqlitestudio.pl/?act=download

Question and Answer

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Thank you