DB Weekly

Database Weekly

Issue 166 — August 4, 2017

More Dangerous Subtleties of JOINs in SQL — Two examples of how common, yet profoundly consequential, semantic errors in SQL can be.
ALEX PETRALIA

Implementing State Machines with SQL in Postgres — A practical look at creating a FSM using a transition function, a user-defined aggregate function and a table to keep track of events.
FELIX GEISENDÖRFER

A Live Demo With a VividCortex Engineer — Join a live demo with a VividCortex engineer to show how the VividCortex solution can eliminate your most critical visibility gaps.
VIVIDCORTEX SPONSORED

How To Write Better SQL Queries — A reasonably thorough primer to SQL queries and the decisions you have to make while constructing them.
KARLIJN WILLEMS

TiSpark: Run Apache Spark on Top of TiDB/TiKV — A thin layer that brings Spark SQL to TiKV (a distributed key value store) for doing complex OLAP queries.
PINGCAP TOOLS

A Practical Guide to SQL Transaction Isolation — A detailed post on how transaction isolation works, particularly in Postgres. A good read if you just rely on the defaults.
JOE NELSON

Shoveling Data to Redshift with Pipes and Filters
URJIT SINGH BHATIA

How to migrate from SQL to MongoDB — Learn why today's most innovative companies are migrating to MongoDB.
MONGODB SPONSORED

Building a Simple GraphQL Server with Neo4j
WILLIAM LYON

How Far Can You Go with MySQL or MariaDB? — There are installations heading into multiple terabytes.
JEAN-FRANÇOIS GAGNÉ

Analyzing 320 GB of SQL for Comma Usage — *"Leading with commas is not a popular style— but I'll argue that it's a productive one. Can I prove this?"*

FELIPE HOFFA

Open Source Redshift Vacuum and Analyze Tool — Save time on maintenance, use our dockerized vacuum & analyze tool. Pull the image, schedule, and get reports to your email.

ALOOMA.IO `TOOLS` `SPONSORED`

q: Run SQL directly on CSV files — Loads CSV into SQLite and lets you query with SQL.

HAREL BEN-ATTIA `TOOLS`

TablePlus: A Mac App for Working with Relational Databases — Currently supports Postgres, MySQL/MariaDB, and Redshift.

TABLEPLUS LTD `TOOLS`

Neo4j Releases Efficient Graph Algorithms Library for Neo4j — Covers things like PageRank, partitioning, and path finding.

MICHAEL HUNGER `TOOLS`

Apache Calcite: A Foundation for High Performance Databases — A Java dynamic data management framework that includes a SQL parser, a relational algebra API, and a query planning engine.

APACHE FOUNDATION `TOOLS`

Rezoom.SQL: Statically Typed SQL ORM for F#

ROBERT PEELE `CODE`

An Opinionated MongoDB Style Guide

JAN SÖNDERMANN `CODE`