DB Weekly

Database Weekly

Issue 152 — April 28, 2017

FEATURED

What You Need To Know About SQL's 'GROUP BY' — GROUP BY is used so often in SQL that it pays to understand it well.
PERISCOPE

Squeezing Performance From SQLite: EXPLAINing The Virtual Machine — Under the hood, SQLite is organized around a virtual machine. This is an intriguing look at how it works and what it does.
JASON FEINSTEIN

Pushing A Trillion Row Database With GPU Acceleration — There's an arms race in the nascent market for GPU-accelerated databases, and the winners will be those that can scale to the largest datasets while providing compatibility with regular SQL.
TIMOTHY PRICKETT MORGAN

JawsDB - Fast, reliable, no-bullshark MySQL as a service — Our MySQL database-as-a-service makes it easy to one-click provision a database. Create, edit, and save reusable queries against your provisioned server. MariaDB and PostrgeSQL coming soon.
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Speed: The No. 1 Reason to Adopt Graph Tech — Alex Woodie runs through the results of IBM's recent *"State of Graph Databases"* study.
DATANAMI

AWS Opens Access to Preview of PostgreSQL-Flavored Amazon Aurora — All AWS customers can now use the Postgres-compatible variant of its Amazon Aurora database service.
AMAZON WEB SERVICES, INC.

Analyzing 1.1 Billion Taxi Rides with MapD 3.0 — Take 2 GPU-powered EC2 instances, add the MapD 3.0 database and visual analytics platform, and 1.1 billion NYC taxi trips and analyze away.
MARK LITWINTSCHIK

IN BRIEF

Oracle Is Building A 'Transformational' Startup Inside The Company
BUSINESS INSIDER NEWS

[Blog: How APM Inspired Better Database Performance Management](#) — Learn how the best features & the biggest gaps in modern APM inspired a new database performance platform.

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[Building a Basic Next.js App With MongoDB](#) — Next.js is a Node.js framework for building server-rendered React apps.

THE CODE BARBARIAN `TUTORIAL`

[Spatial Analytics with PostGIS, PL/R and R](#) — An introduction to spatial analytics with PostgreSQL, PostGIS, PL/R and R.

JOE CONWAY `TUTORIAL`

[Top 5 Tips for Migrating Your Data Warehouse to Google BigQuery](#)

GOOGLE CLOUD PLATFORM `TUTORIAL`

[Object Relations in a NoSQL Database](#)

JON ERIK SOLHEIM `TUTORIAL`

[Intermediate MySQL Stored Procedures](#)

PETER LAFFERTY `TUTORIAL`

[Why and How Swat.io Migrated From MySQL to Postgres in 2 Years](#)

DIE SOCIALISTEN GARAGE `STORY`

[Homegrown Master-Master Replication for a NoSQL Database](#)

VADIM POPOV `STORY`

[High Available and Scalable Open Source Database - SiriDB](#) — SiriDB is robust, fast and has a unique query language that makes it easy to create charts for your application.

TRANSCEPTOR TECHNOLOGY `SPONSORED`

[Pgweb: A Cross-Platform Client for Postgres](#) — Built using Go and works on macOS, Linux and Windows.

DAN SOSEDOFF `TOOLS`

[Variety: A Schema Analyzer for MongoDB](#)

GITHUB.COM `TOOLS`

[infreqdb: S3 Backed Key/Value Database for Infrequent Read Access from Go](#)

TURBOBYTES `CODE`

[Flint: A Time Series Library for Apache Spark](#)

TWO SIGMA `CODE`

[MG4J: Managing Gigabytes for Java](#) — A full-text search engine for large document collections written in Java.

SEBASTIANO VIGNA AND PAOLO BOLDI `CODE`

[Redis Graph: A Redis Module Implementing A Simple Graph Database](#)

ROI LIPMAN `CODE`

[Atlas: Netflix's In-Memory Dimensional Time Series Database](#)

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