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Database Weekly

Issue 143 — February 24, 2017

FEATURED

Google Spanner Inspires CockroachDB To Outrun It — In a database market ripe for change, Cockroach has the potential to be Yahoo's Hadoop and HDFS to Google's MapReduce and Google File System.

TIMOTHY PRICKETT MORGAN

Data Opportunities Slipping Through the Cracks — Most companies still struggle to process and analyze the huge amounts of data they have access to, making the database industry ripe for new entrants and new solutions.

DATANAMI

Redis on the Raspberry Pi: Adventures in Unaligned Lands — The creator of Redis talks about how he sees Redis working on the Raspberry Pi and how he's made them work better together in rich technical detail.

SALVATORE SANFILIPPO

Practical Scalability Analysis with the Universal Scalability Law — This eBook introduces scalability analysis using Dr. Gunther's Universal Scalability Law, which models & predicts how systems perform, & illustrates deep truths about scalability. This book outlines why systems fail to scale well & what to do about it.

VIMDCORTEX **SPONSORED**



Processing a 'Trillion Rows' Per Second on a Single Machine.. Or Not — *This blog post describes our experience debugging a failing test case caused by a cross join query running "too fast."*

REYNOLD XIN, ALA LUSZCZAK AND BOGDAN RADUCANU

Redash: Easily Visualize and Share Data from Any Source — An open source alternative to traditional BI suites built up of a sandbox-style environment for SQL queries and a dashboard/visualization tool.

ARIK FRAIMOVICH **TOOLS**

How PostgreSQL Is Tested — Want to learn how databases get tested and, in particular, Postgres? This talk from PGConf US digs in to the testing processes the Postgres project uses.

JOSHUA DRAKE **VIDEO**

How to Plan and Run Events: An Event Management Data Model — The latest in Vertabelo's relational data modelling series.

VERTABELO

IN BRIEF

[SQL Server 2016 Developer Edition Now Available in Windows Containers](#)

MICROSOFT **NEWS**

[DataLayer 2017 Conference, Call for Speakers \(Austin, TX on May 17\)](#)

COMPOSE **NEWS**

[Four Ways to Visualize Big Streaming Data Now](#)

DATANAMI **NEWS**

[Forrester: Why Application Monitoring Needs Better Database Monitoring](#) — Hear expert tips on how to fill the gap between APM and the rapidly changing data layer.

SELECTSTAR **SPONSORED**

[Using R with Databases: A Free Course](#)

BIG DATA UNIVERSITY

[The Unofficial MySQL 8.0 Optimizer Guide](#)

MORGAN TOCKER

[Upgrading your MySQL Server Farm](#) — A thorough look at what's involved in upgrading a set of MySQL servers.

GEIR HOYDALSVIK

[Real Time Delivery Updates with Slack, MongoDB Atlas & Tailable Cursors](#) — Creating a custom Slack chat bot using Node.js, MongoDB Atlas, and MongoDB Compass.

NICK PARSONS

[Aggregations in MongoDB by Example](#)

JOHN O'CONNOR

[An Idiot's Guide to Fulltext Search in PostgreSQL](#)

TRAMS MICK

[Users Table Mutations: 3 Ways of Building and Altering a 'Users' Table](#)

RAPHAEL HT

[Get Instant REST APIs for Your Database](#) — DreamFactory turns your database into a comprehensive REST API. Free and open source, [try it now](#).

DREAMFACTORY **SPONSORED**

[Testing MongoDB 3.4's Linearizable Reads with Jepsen](#)

THE MONGODB ENGINEERING JOURNAL

[Why LINQ Beats SQL](#)

JOSEPH ALBAHARI

[Neo4j vs Dgraph Benchmarks](#) — Interesting results though take note the source is Dgraph themselves.

PAWAN RAWAL

[An Introduction to the MongoDB Database Profiler](#)

FERNANDO IPAR **TOOLS**

[OmniDB 1.6.5: A Web-Based Tool for Database Management and Conversion](#)

RAFAEL THOFEHRN CASTRO **TOOLS**

[A SQLite3 Persistence Layer for Gun](#) — [Gun](#) is a decentralized, 'offline first' JavaScript graph database.

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