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Database Weekly

Issue 170 — September 1, 2017

JOIN Elimination: An Essential Optimization for Advanced SQL Usage — It's possible to transform many SQL statements into more optimized ones. This is a deep dive into how that works when joins are involved.

LUKAS EDER

How Salesforce Is Using AI to 'Democratize' SQL — ..so anyone can query databases in natural language. It's explained in detail in [this academic paper](#).

TECHCRUNCH

Understanding Tricky Joins and Multi-Table Updates — Writing a proper SQL UPDATE query involving multiple tables in Postgres can be tricky and counterintuitive. Here's a particularly tricky example and the concepts involved.

PAUL MARTINEZ

Humongous.io: A universal admin interface for MongoDB —

Generate automatically an enterprise grade admin interface for your MongoDB database with support for joins, custom views, smart forms and charts.

HUMONGOUS.IO SPONSORED



Five Sharding Data Models and Which Is Right — A survey of five sharding approaches and what factors could guide you to each approach.

CRAIG KERSTIENS

Deferrable SQL Constraints in Depth — Automatic constraint enforcement is a useful and powerful feature, but sometimes there are reasons to defer enforcement, as examined in depth here.

JOE NELSON

How We Designed CrateDB as a Realtime SQL DBMS for IoT — The DBMS design choices that Crate.io made to support an IoT workload.

JODOK BATLOGG

KSQL: Open Source Streaming SQL for Apache Kafka — KSQL provides a simple and interactive SQL interface for processing data in Kafka, rather than having to write Python or Java functions.

NEHANARKHEDE

Percona Live Europe 2017 - Dublin (25-27 September) — Join the Open Source database community for various talks on MySQL, MongoDB, MariaDB, PostgreSQL, RocksDB & more.

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PostgreSQL 10 Beta 4 Released

POSTGRESQL.ORG

New Perf Levels and Storage Add-ons for Azure SQL Database

MORGAN OSLAKE

MongoDB Drops Support for Solaris

MONGODB ENGINEERING

A Guide to Data Synchronization in Microsoft SQL Server

BRANDON MORELLI

Using JS for Extending Low-Latency In-Memory Key-Value Stores — A look at the potential for JavaScript in RAMCloud.

ADRIAN COLYER

The Hidden Costs of Data Engineering — Managing databases in today's environments presents many complex problems. See the impact in this 2016 survey.

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The 20 Best MySQL GUI Tools as of 2017

KRISSANAWAT KAEWSANMUANG **TOOLS**

Honey SQL: Turn Clojure Data Structures Into SQL

JUSTIN KRAMER **CODE**

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