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Database Weekly

Issue 112 — July 8, 2016

FEATURED

Reindexing 36bn Documents in 5 Days on an Elasticsearch Cluster — A very thorough walk through of the techniques, trials, and tribulations involved with reindexing a large Elasticsearch cluster.
FRED DE VILLAMIL

All About Indexes: The Very Basics — Well defined indexes will improve your database's performance significantly, but how do they work?
EML DRKUŠIĆ

Say No to Venn Diagrams When Explaining JOINS — It's common to illustrate how SQL JOIN operations work using Venn diagrams, but is there a better way? Luka Seder considers other options.
LUKASEDER

Put database performance in context — Visualize key metrics and set targeted alerts across your infrastructure. Datadog has built-in integrations with MySQL, Postgres, Redis, and more, plus StatsD support for monitoring custom metrics from your client applications.

DATADOG **SPONSORED**



MySQL 8.0 to Be the Next Major Release of MySQL — MySQL 8.0 seems likely to be the next release of the world-famous database server, rather than 5.8. (Most likely due to MySQL Cluster being at 7.4 already.)
PERCONA

Kueri: A Natural Language Interface to SQL — A new, interactive search-box interface to allow your users to navigate, explore, and present their data with intuitive as-you-type auto-complete suggestions.
KURI **TOOLS**

Redis-Commander: A Webapp for Managing a Redis Database — A Node.js-based web application used to view, edit, and manage a Redis Database.
JOE FERNER **TOOLS**

JOBS

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IN BRIEF

[InfluxDB Tops Cassandra in Time-Series Data and Metrics Benchmark](#) — As always, note who is doing the benchmarking.

INFLUXDATA **NEWS**

[Reindexing Elasticsearch with Zero Downtime](#)

ARI SUMMER

[Implementing a Neural Network in SQL](#)

YURI SHEVCHUK

[Autoscaling MySQL for Massive Datasets](#)

GEEKTYLER

[Building WePay's Data Warehouse using BigQuery and Airflow](#)

WEPAY

[Finding and Killing Long Running Queries On PostgreSQL](#) — From time to time we need to investigate if there is any query running indefinitely on a PostgreSQL database.

ANDERSON DIAS

[The Evolution of Apache Spark: Journey of Spark in 1.x Series](#)

MADHUKARA PHATAK **VIDEO**

[Introduction to Spark 2.0](#)

MADHUKARA PHATAK **VIDEO**

[An Interview about RavenDB on the NoSQL Podcast](#)

AYENDE RAHIEN

[A Full Comparison of Redshift and BigQuery](#)

ROI AMINOAM

[Thinking in SQL vs Thinking in Python](#)

BENN STANCIL

[The Performance Characteristics of MySQL on Docker](#)

TROND HUMBORSTAD

[SQL Dashboards in a Flash](#) — Periscope Data lets you run analyses over billions of rows in seconds.

PERISCOPE DATA **TOOLS** **SPONSORED**

[SparkADMM: A Massively-Parallel Framework for Solving Big Data Problems](#)

YAHOO RESEARCH **TOOLS**

[EclairJS: Access Apache Spark from Node.js](#)

IBM **CODE**

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