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Database Weekly

Issue 190 — February 9, 2018

RavenDB 4.0 Released: A Transactional NoSQL Database — A fully transactional all-in-one document database. 4.0 is 10x faster than 3.0 and it now runs on Windows, Linux, Mac and in Docker.

AYENDE RAHIEN

An Advanced SQL Window Function Quiz — “A lot has changed since SQL-92,” they say, so why not test out your knowledge. You’ll need to be familiar with `SUM` and `HAVING` to just pass Q1, by the way..

ANDY BOOT **TOOLS**

Use SQL in MongoDB? But of Course You Can. We'll Show You How — And there's so much more to discover. Like SQL Import & Export. Or our innovative Query Code that lets you instantly generate code from our Query Builder in Node.js, Python, or C#.

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Standard SQL Features Where PostgreSQL Beats Competitors — Code-heavy slides from a talk given at FOSDEM PgDay that cover filters, BOOLEAN tests, XMLTABLE, and inverse distribution functions.

MARKUS WINAND

Find the Longest Continuous Number of Days a Stock Went Up — We all love a good, thorough SQL tutorial, right? This is a great walkthrough of bringing together several SQL features in a relatively advanced way.

DIMITRI FONTAINE

Calculating Tupper's Self-Referential Formula With SQL — This is very geeky but very cool.

JOOQ

Why 2018 Will Be The Year of the Data Engineer — Every indicator I've seen in recent years shows no possibility of work slowing down for good data engineers and data from Glassdoor and Indeed seems to confirm it.

DATANAM

How Erasure Coding Changes Hadoop Storage Economics — “The introduction of erasure coding with Hadoop 3.0 will allow users to cram up to 50% more data into the same cluster.”

DATANAM

Your Database Should Work Like a CDN (Says CockroachDB) — Could distributed database performance (both in terms of latency and uptime) be dramatically improved with CDN-like multi-region deployments?

SEAN LOISELLE

Big Data Driving Hyperscale Datacenter Surge — A surge in data analytics work is good news for companies supplying datacenters.

DATANAM

PostgreSQL 10.2, 9.6.7, 9.5.11, 9.4.16, and 9.3.21 Released — Fixes security, data corruption, and parallel query issues.

POSTGRESQL.ORG

Elasticsearch To Soon Gain Built-In SQL Support

THIS WEEK IN ELASTICSEARCH

Amazon Aurora Now Compatible with MySQL 5.7

AMAZON WEB SERVICES

Proper Indexing Is Key to Database Performance, Let Percona Show You How

PERCONA **SPONSORED**

Configuring sql.DB for Better Performance

ALEX EDWARDS

Powering PHP with JanusGraph

DON OMONDI

Creating Fast, Lightweight Testing Databases in Docker

KEVIN BARRESI

How to Find Unused Indexes in MongoDB

DHARSHAN RANGEGOWDA

How to Pivot Data with SQL

MARKUS WINAND

Solving a 'Reindeer Ordering' Logic Puzzle with SQL

DAMIR SUDAREVIC

Running a 400+ Node Elasticsearch Cluster

ANTON HÄGERSTRAND

How Apache Kafka Inspired Salesforce's Platform Events Architecture

ALEXEY SYOMICHEV

Making 30x Performance Improvements on Yelp's MySQLStreamer

ABRAR SHEIKH

3 Essential DBA Career Priorities For 2018 — Could ‘self-driving’ databases change the game for DBAs in 2018?

JEFF ERICKSON (ORACLE)

What Is Time Series Data and Why Should You Care?

INFLUXDATA **SPONSORED**

Oracle NoSQL Database Now Downloadable in an Easier VM Format — If you want to get started quickly with Oracle’s NoSQL database in VirtualBox or VMWare Workstation, say.

MICHAEL SCHULMAN **TOOLS**

MongoDB Tools: A Directory of MongoDB Tools — And issue 2 of our new MongoDB newsletter just went up too.

IAN WHALEN **TOOLS**

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