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Database Weekly

Issue 81 — November 27, 2015

FEATURED

50 Shades of NULL — Subtitled “How a Billion Dollar Mistake has Been Stalking a Whole Industry for Decades”, this is a look at the history of nil/null values and how NULL works in SQL.

LUKAS EDER

What NoSQL Solution Should You Choose? — Quick summaries of MongoDB, Elasticsearch, OrientDB, Hadoop, and Cassandra, focusing on what each can and can't do.

KUZZLE

Heroic: A Time Series Database from Spotify — Heroic is an open-source monitoring system originally built at Spotify to address the problems being faced with large scale gathering and near real-time analysis of metrics.

SPOTIFY [CODE](#)

Have you got SQL fingers? — Watch these free SQL Prompt tips videos for SQL writing hints from top SQL Server MVPs. SQL Prompt is the SQL code productivity add-in for SQL Server Management Studio and Visual Studio. [Find out how easily you can write SQL.](#)

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Organize Complex Queries Using SQL's 'WITH' — SQL:1999 introduced the 'WITH' clause to define “views” within queries. These with-queries are only visible in a single statement and can be used to improve the structure of this statement without polluting the global namespace.

MARKUS WINAND

Apache Geode: A Distributed, In-Memory Low Latency Database — The Apache-incubated open source version of a commercial in-memory database called GemFire.

APACHE

HyperLogLog in Pure SQL — Hyperloglog is a very interesting algorithm and you can have an extremely efficient version [directly in Postgres](#). And if you're not up for building and pulling in your own extensions here's a raw SQL implementation of it.

PERISCOPE

10 Use Cases Where NoSQL Will Outperform SQL — Written by a director at Couchbase.

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[4 Upcoming Database Conferences: Winter 2015-2016](#)

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[What End of Support for SQL Server 2005 Means for CIOs](#)

CIO **NEWS**

[Recent Improvements to Redis Lua Scripting](#)

SALVATORE SANFILIPPO **NEWS**

[Redis Performance Dashboard and Autoscaling from RedisGreen](#) — Seamless scaling and analytics backed by support from engineers who have been scaling Redis for years.

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[Adding Summary Statistics to your SQL Table](#)

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[Understanding Elasticsearch Performance](#)

JOSH RENDEK

[A MySQL Data Analysis Example In 3 Easy Steps](#)

AGATA KWAPIEN

[Bulk Transformations of Couchbase Data Using Apache Spark with an External Source](#)

MATT INGENTHRON

[How to Monitor Neo4j-Based Application Performance with Ruxit](#)

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DICK DOWDELL

[pg_paxos: High Availability Data Replication for PostgreSQL](#)

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