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Database Weekly

Issue 83 — December 11, 2015

FEATURED

MongoDB 3.2 Released: 'A Giant Leap' — The faster, compressable WiredTiger storage engine is now the default. Document validation can now be performed at database level. Left outer joins are now possible, and more.

MONGODB

The Next Generation of Managed MySQL Offerings On Cloud SQL — Google Cloud SQL is an easy-to-use service that delivers fully managed MySQL databases and the second 'generation' of it is now in beta. It can scale up to 10TB datasets, 15k IOPS and 104GB of RAM per instance.

GOOGLE CLOUD PLATFORM

Couchbase Server 4.1 Released — Couchbase Server 4.1 brings massive improvements to query functionality and performance including support for common SQL statements in N1QL. ("you can now manipulate JSON documents with N1QL, in the same manner as you would manipulate tables with SQL")

COUCHBASE

Plug Email Into Your App with Mailgun — Send email in your language of choice using SMTP or Mailgun's RESTful API. The first 10,000 emails are free. Read our documentation and start testing now.

MAILGUN **SPONSORED**



The MongoDB Statbox: Graphs of Stats in 5cm by 6cm — Using just a Pi Zero, a Unicorn Hat, a slice of Python and a plug-in of Wifi, find out how you can turn you database stats into shining, physical beacons of information.

DJ WALKER-MORGAN

q: Run SQL Directly on CSV or TSV Files — A command line tool that allows execution of SQL-like queries on CSVs/TSVs. It treats ordinary files as database tables, and supports SQL constructs like WHERE, GROUP BY, JOINs etc.

HAREL BEN-ATTIA **TOOLS**

Scaling to 100M: MySQL is a Better NoSQL — At Wix, they're using MySQL as a glorified key/value system for storing documents rather than a dedicated NoSQL document database.

WIXENGINEERING

Meet the Avant-Garde of New Relational Databases — Gartner is advising clients to look at the 'avant garde' of relational databases, such as offerings from NuoDB, VoltDB and MemSQL.

ALEXWOODIE

Architecting Distributed Databases for Failure — Being prepared for failure in a distributed system is essential. Here, an engineer shares his experiences of building an open source distributed data store and the contingencies taken to survive outages.

FANGJIN YANG

Building Real-Time Dashboard Apps with Flink, Elasticsearch & Kibana — A demonstration of building a real-time dashboard solution for stream data analytics using Apache Flink (a streamed data processor), Elasticsearch (the document database and search server, and Kibana (Elastic's data exploration tool).

FABIAN HUESKE

JOBS

[Your Dream Job Awaits.](#) — Hired makes finding a job you love easier and more transparent than ever before. See what the hype is about and join Hired today.

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IN BRIEF

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

REDISGREEN **TOOLS** **SPONSORED**

[MapR Introduces Streams to Compete with Kafka](#) — Streams is compatible with real-time streaming analytics tools such as Apache Storm and Spark Streaming.

DATANAM **NEWS**

[Release Notes for MongoDB 3.2](#)

MONGODB **NEWS**

[The First Annual PGConf Silicon Valley Wrap Up](#)

CITUS DATA **NEWS**

[Database Design for the Dental Office](#)

EML DRKUŠIĆ

[SQL GROUP BY and Functional Dependencies: A Useful Feature](#)

DATA GEEKERY

[Introduction to Elasticsearch Analyzers](#) — A look at what's involved when Elasticsearch performs queries, particularly with regard to inverted indexes and running analyzers over incoming documents.

VINEETH MOHAN

[Parsing Java 8 Streams Into SQL](#)

EML FORSLUND

[Top 10 Performance Tuning Techniques for Amazon Redshift](#)

AMAZON

[SQLite: The Database at the Edge of the Network](#)

DR. RICHARD HIPPEL **VIDEO**

[287 Million Events/day and 1 Engineer: How I Built Quizlet's Data Pipeline with BigQuery and Go](#)

ALEC WINOGRAD

[What's The Best Database for An Analyst?](#)

MODE

[A Postmortem of a Server Compromised Due to Publicly Accessible Redis](#)

KEVIN CHEN

[How to Address Top Challenges of Database Management](#)

PIERRE FRICKE

[An Unemotional Logical Look At SQL Server Naming Conventions](#)

JEFFREY J KELLER

[Avoiding Three Common Pitfalls of Data Lakes](#)

BEN SZEKELY

[migr8: A Concurrent Redis Migration Utility, Written in Go](#)

REVERB **TOOLS**

[Sphinx: Distributed Execution of Interactive SQL Queries on Big Spatial Data \[PDF\]](#)

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