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DB Weekly

Issue 54 — April 10, 2015

Supported by 

[Apache HBase Reaches 1.0](#)

INFOQ

After 7 years of active development, the non-relational database (modelled after Google's BigTable) for the Hadoop ecosystem has hit the 1.0 milestone.

[Michael Stonebraker Explains Oracle's Obsolescence, Facebook's Enormous Challenge & More](#)

BARRON'S

Some provocative views from a living database legend (who recently won a \$1m Turing Award). He talks about column stores, the history of databases, social graphs, and more.

[Redis 3.0 Released](#)

SALVATORE SANFILIPPO

A major release for the popular key-value cache and store. Better performance under load, an improved LRU algorithm, and better AOF rewrites.

[A Conversation with The Creator of Redis](#)

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Just last month we were able to catch up with Redis creator, Salvatore Sanfilippo at RedisConf 2015. Sanfilippo touches on open source, the future of Redis, and the current Redis community. [Read more from Sanfilippo here.](#)

[hyflow-go: A Geo-Replicated, Main-Memory, Highly Consistent Datastore](#)

VIRGINIA TECH

A research project from Virginia Tech's Systems Software Research Group.

[DB-Engines: A Popularity Ranking of Database Systems](#)

DB-ENGINES

In March 2015, it seems MongoDB, Cassandra and Redis were on the up, pushing Postgres and SQLite down a position each.

[Announcing Next Generation Drivers for MongoDB](#)

ANDREW ERLICHSON

MongoDB drivers are under development that represent a fresh start following more formal specifications and things learnt since Mongo's first release.

[How We Scale VividCortex's Backend Systems](#)

HIGH SCALABILITY

Lots of deep technical details about how they structure their data and the big wins they get from MySQL and Redis.

[Crate: A Open Source Distributed SQL DB for the Docker Age](#)

CRATE TECHNOLOGY

A scalable database with auto-sharding, replication, and real time MapReduce.

Jobs

- **DevOps Engineer (Austin, TX)** ObjectRocket by Rackspace is seeking a DevOps Engineer to join our team in Austin. Do you believe Open Source will always innovate faster? Is "Automate Everything" printed on the back of your hoodie? Are you most comfortable on the cutting edge of technology? If this describes you and you're ready to attack some of the most complex problems in the industry, then it's time for you to take on the challenge of being a DevOps Engineer at Rackspace. [Apply Today.](#)

RACKSPACE

- **Database Administrator (Blacksburg, VA)** Rackspace is seeking a Senior Database Administrator in our Blacksburg, VA office. The Senior DBA will be responsible for maintaining the company's database systems (currently MS SQL Server) including back-up, performance tuning, capacity planning, monitoring critical events and documentation. [Learn More](#).
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In brief

- **NoSQL Database Service Azure DocumentDB Now Generally Available** **NEWS**
MICROSOFT AZURE
- **MongoDB Counters Couchbase Performance Claims** **NEWS**
INFORMATIONWEEK
- **Booming Big Data Market Headed for \$60B** **NEWS**
DATANAMI
- **Oracle Database 12c Now Available on Amazon RDS** **NEWS**
AWS OFFICIAL BLOG
- **What Apple's Purchase of FoundationDB Would Mean for NoSQL** **NEWS**
DATANAMI
- **A Comprehensive Guide to Moving From SQL to RethinkDB** **TUTORIAL**
Apost about using RethinkDB, a NoSQL database, from the perspective of an engineer coming from an SQL background.
GORDON DENT
- **Build a Node-powered Chatroom Web App with MongoDB and Socket.io** **TUTORIAL**
SITEPOINT
- **Oracle SQL Injection Guides and Whitepapers** **TUTORIAL**
HAIDER MAHMOOD
- **HOWTO Use JSON Functionality in PostgreSQL** **TUTORIAL**
UMAIR SHAHID
- **Apache Drill: Redefining SQL-on-Hadoop** **VIDEO**
See how Apache Drill is used with visualization tools to query multiple data sets from big data platforms.
YOUTUBE
- **How InnoDB Lost Its Advantage** **OPINION**
DOMAS MITUZAS
- **Appropriate Uses For SQLite** **OPINION**
"SQLite does not compete with client/server databases. SQLite competes with fopen()."
SQLITE.ORG
- **SQLitePCL.raw 0.8.0: .NET Library for Low Level Access to SQLite** **CODE**
NUGET GALLERY
- **redis-pipe: Treat Redis Lists like Unix Pipes** **CODE**
LUKAS MARTINELLI

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