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## Database Weekly

Issue 118 — August 19, 2016

### FEATURED

**NoSQL Databases: A Survey and Decision Guidance** — An incredibly thorough overview of the NoSQL landscape.

FELIX GESSERT

**Using State Machines to Run Databases** — Want a look at how a large as-a-service offering provides databases at scale? This gives you a look. The key under the covers is a state machine, used by both Citus and Heroku.

CITUS DATA

**10 Transformational Database Technologies** — A piece from Oracle referencing in-memory databases, JSON, containers, and the cloud as major transformational influences on modern database systems.

CHRIS MURPHY

**Itching for a rewrite? Try a Code Inspection™ from Corgibytes first** — We know the frustration. You see all the places your app could be so much better, but you can't seem to convince your boss. Next time, mention Corgibytes. Our Code Inspection™ can help you explain technical improvements in a way executives can understand.

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**Identity Crisis Threatens to Sideline Hadoop As The Leader of Big Data** — The rapid proliferation of Big Data software has made it less certain what Hadoop stands for today.

GEORGE GILBERT

**Advancing Enterprise Database Workloads On Google Cloud Platform** — Google's cloud database storage products (Cloud SQL, Cloud Bigtable and Cloud Datastore) are now out of beta and ready for production use.

DOMINIC PREUSS

**Context Aware MySQL Pools via HAProxy** — Creating a self-managing topology that excludes lagging replicas automatically, handles disasters gracefully, and still allows for complete human control and visibility.

SHLOMI NOACH **CODE**

**The SQL Service At The Heart of Amazon Kinesis Analytics** — AWS gave real-time app developers a boost recently when it unveiled Amazon Kinesis Analytics, a new service for continuously querying streaming data using SQL.

ALEX WOODIE

## **JOBS**

**Get 5+ Engineering Job Offers in 1 Week** — With Hired, companies apply to hire you - get salary and equity offers before you interview from companies like Facebook, Postmates, & Square

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## **IN BRIEF**

### [Flash Memory Gives Databases a Jolt](#)

DATANAM **NEWS**

### [PostgreSQL 9.6 Beta 4 Released](#)

POSTGRESQL.ORG **NEWS**

### [Google Cloud Bigtable Now Generally Available for Petabyte-Scale NoSQL Workloads](#)

GOOGLE CLOUD PLATFORMBLOG **NEWS**

### [Google Cloud SQL 2nd Generation Performance and Feature Deep Dive](#)

GOOGLE CLOUD PLATFORMBLOG **NEWS**

[MySQL Founder Tries A New Software Licensing model](#) — Not strictly DB related but an interesting license that's being used on DB products.

TECHCRUNCH **NEWS**

### [Actually Understanding Timezones in PostgreSQL](#)

CHRIS CLARK

### [Avoid This When Tuning MySQL Query Cache for Performance](#)

HAYDEN JAMES

[Use Auto-Generated APIs from Legacy and Modern Databases in Tandem](#) — Custom scripting example where medical data from MySQL is integrated with a medication tracker built on MongoDB.

DREAMFACTORY **SPONSORED**

### [How We Migrated From MySQL 5.0 to Google Cloud SQL MySQL 5.6](#)

BRANDBOX

[Analysing Docker Projects On GitHub with BigQuery](#) — 281,212 Docker projects analyzed.

DAVID GAGEOT

### [Object Storage with Cassandra and Pithos](#)

EXOSCALE

[Considering NoSQL Databases](#) — A look at your options when choosing a NoSQL solution to fit your needs.

JAMIL RZAYEV

### [MySQL Notifier 1.1.7: SQL Server MySQL Monitoring on Windows](#)

JAMER TREVIÑO **TOOLS**

[Mroonga: A MySQL Pluggable Storage Engine for Fulltext Search in Every Language](#) — Including Chinese, Korean, and Japanese.

MROONGAPROJECT **TOOLS**

[Agile Incident Resolution for DevOps](#) — Increase uptime of your apps, services and infrastructure with PagerDuty. With full incident visibility, you can respond to and resolve issues faster. Try it free.

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### [Brooce: A Language-Agnostic Job Queue with a Redis Backend](#)

SERGEYTSALKOV **CODE**

### [postgresql-cpp: A C++11 Port of Postgres](#)

JOYARULRAJ **CODE**

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