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# **Database Weekly**

Issue 168 — August 18, 2017

How Hardware Drives The Shape Of Databases To Come — A catch up with database pioneer Michael Stonebraker on what new compute, storage and networking technologies mean for the future of databases.

TIMOTHY PRICKETT MORGAN

**SQLCheck: Automatically Identify Anti-Patterns in SQL Queries** — A tool that works with multiple SQL dialects and looks for common anti-patterns that lead to performance problems.

JOYARULRAJ TOOLS

AWS Glue: A New Extract, Transfer, and Load (ETL) Service — A new managed service from AWS for ETL jobs. Uses Spark under the hood and in one region only for now.

AWAZON WEB SERVICES, INC. TOOLS

**State of Production Database Performance 2017** — In this report we explore and definitively answer whether MySQL or PostgreSQL is truly faster than the other.



VIVIDCORTEX SPONSORED

A Primer on Database Replication — Increasing speed and resilience is great, but there are also costs and complexity associated with replicating databases, as explored here.

ALPHASIGHTS ENGINEERING

Migrating 1200 Databases From MySQL to Postgres — A company had a separate DB for each user so moving to Postgres demanded serious care.

GABRIEL GARRIDO CALVO

PostgreSQL Gets a Fix for a Passwordless Authentication Flaw — Newly released versions of PostgreSQL fix three security vulnerabilities and over 50 other bugs.

LUCIAN CONSTANTIN

Migrating Existing Datastores from Redis to ElastiCache — How an app with over one million users moved from regular Redis over to AWS ElastiCache.

NISHANT GUPTA

## MongoDB Has Filed Confidentially For IPO?

TECHCRUNCH

**\$20 Free on a new Linode account** — Linux cloud hosting starting at 1GB of RAM for \$5/mo. Use promo code DB20 for \$20 credit.

LINODE CLOUD HOSTING SPONSORED

**Data Modelling a Clinic Management System** — The latest in Vertabelo's data modelling series.

EMIL DRKUŠIĆ

## **How Postgres Makes Transactions Atomic**

BRANDUR I FACH

### How to Analyze Fastly Real-Time Streaming Logs with BigQuery

GOOGLE CLOUD PLATFORM BLOG

How Pippa Built a Data Pipeline for 400 Million Podcast listens — ... and cut its AWS bill in half while using Lambda and Kinesis Firehose.

PIPPA

#### The 3 Roles Needed for the Modern Data Team

DATANAMI

**Building a Stack Overflow Clone with Dgraph and React** — Dgraph is a fast, distributed graph database system.

SUNG WON CHO

**Eventn - Data Processing Microservices** — Connect directly to a database and deploy RESTful services for ETL, SQL analytics or data processing.

EVENTN SPONSORED

## 9 Reasons Why There Are No Foreign Keys in Your Database

PIOTR KONONOW

**SQLite: The Universal SQL Database Engine** — It's the most widely deployed database of all. LINODE

## **SQLite vs MySQL vs PostgreSQL: An RDBMS Comparison**

YANG WANG

## Dejavu 1.0: The Missing Web UI for Elasticsearch

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