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## Database Weekly

Issue 161 — June 30, 2017

**Moving Yelp's Core Search to Elasticsearch** — A post mortem of Yelp's successful migration to Elasticsearch from a custom system built on top of Lucene.

YELP ENGINEERING

**An Architectural Comparison of NoSQL Databases [PDF]** — A white paper that compares and contrasts GridDB, Cassandra, MongoDB, Riak, and Couchbase.

FIXSTARS

**Apache RocketMQ: A Distributed Messaging and Streaming Data Platform** —

Targeting Java, .NET and C++ users and aims to work around scaling issues in Kafka and ActiveMQ. There's [a comparison table](#) available.

APACHE ROCKETMQ **TOOLS**

**Get started with MongoDB** — We've put together a hub of our most popular resources to help jump-start your understanding of MongoDB. [Check it out.](#)

MONGODB **SPONSORED**

**Introducing Dexter: An Automatic Indexer for Postgres** — By monitoring queries this tool will generate queries to improve their performance.

ANDREW KANE

**Exactly-Once Semantics Is Possible: Here's How Apache Kafka Does It** — Kafka 0.11 has implemented 'exactly-once semantics', a significant feature. But how?

NEHA NARKHEDE

**Making The Internet Archive's Full Text Search Faster** — How the Internet Archive made their full-text organic search faster—without scaling horizontally—allowing users to search across 35 million documents in seconds.

GIOVANNI DAMOLA

**Using Emoji in SQL** — This doesn't sound like a *great* idea but it does work, at least with SQLite and PostgreSQL 9.6.

CRISTIAN BALDI

**Whitepaper: 5 Steps to Agile Database Management** — Database Management is years behind software development. Here's how to bring your DBs up to speed.

SELECTSTAR **SPONSORED**

## Kinetica Gets \$50M for GPU-Accelerated, In-Memory Analytics

DATANAM

## MySQL Tops Database Rankings

GEORGE LEOPOLD

## Building SQL Queries for Funnel Analysis — How Statsbot constructs SQL queries for conversion funnel analysis.

NURZHAN OSPANOV

## An Introduction to Temporary Tables in SQL Server

BEN RICHARDSON

## Inside A Shopping Center Relational Data Model

VERTABELO

## Recommending GitHub Repos with Google BigQuery and 'implicit'

JUAREZ BOCHI

## The Brain of Every Database: Using Statistics to Guide Query Optimization

TIM ZIMMERMANN

## How Qubit Deduplicates Streaming Data At Scale with Google Cloud Platform

GOOGLE CLOUD PLATFORM

## Postgres 10 Beta vs Postgres 9.6 Analytics Performance — How does the latest version of Postgres, still in beta, fare performance-wise?

KAAREL MOPPEL

## Autoscaling for your Heroku dynos — Automatically scale up and down to handle increased workloads and avoid wasting money on idle resources.

HIREFIRE **TOOLS** **SPONSORED**

## ind3xlite: SQLite3-Based Command-Line Fulltext Indexer and Searcher

GITHUB **TOOLS**

## Building A Versatile Analytics Pipeline on Top of Apache Spark

MSHA CHERNETSOV / GRAMMARLY **VIDEO**

## A Roundup of Core Apache Cassandra Concepts

TOMER BEN DAMD **VIDEO**

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