DB Weekly

Database Weekly

Issue 96 — March 18, 2016

FEATURED

10 Easy Steps to a Complete Understanding of SQL — A walk through some of the fundamentals of SQL and the key concepts it introduces by being a declarative language rather than imperative or object oriented.
JOOQ

Denormalization: When, Why, and How — So your data model was built by the book complete with normal form, but you still need to improve performance? Denormalization is a technique that should be considered.
EMIL DRKUŠIĆ

AWS Database Migration Service — You can move live, terabyte-scale databases to the cloud, with options to stick with your existing database platform or to upgrade to a new one.
AMAZON `TOOLS`

Compose Enterprise: Deploy databases in minutes — We've just launched the beta of Compose Enterprise, a new powerful option for using Compose which lets you deploy production-ready databases with ease within your own cloud clusters.
COMPOSE.IO `SPONSORED`

Designing a RESTful API with Node and Postgres — A complete walkthrough of creating a RESTful Web service using Express, Postgres, and pg-promise.
MICHAEL HERMAN

Building A Photo Search in A Weekend with Elasticsearch — Using Docker to get things up and running quickly, this tutorial series demonstrates using Elasticsearch as an image search system.
SANDEEP CHIVUKULA

Tile38: Geolocation Data Store, Spatial Index, and Realtime Geofence — It supports a variety of object types including lat/lon points, bounding boxes, XYZ tiles, Geohashes, and GeoJSON.
JOSH BAKER `CODE`

Turning The Database Inside Out with Apache Samza — An introduction to Apache Samza, a distributed stream processing framework, both in video and extended transcript form.
MARTIN KLEPPMANN

JOBS

[Chain works with Visa/Nasdaq to digitize money & you'll never guess which RDBMS we use](#) — Come work with us as we rethink the tech stack for financial services. We need folks who are experts in database systems and are eager to make a big impact.

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[Stop Applying to Jobs - Let Companies Apply to You](#) — On Hired, sign up in 10 minutes and get offers from top companies like Facebook, Uber, & Stripe. Engineers get an average of 5 offers on the platform in 1 week. Try it today.

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IN BRIEF

[Microsoft SQL Server for Linux Is A Brilliant and Logical Idea](#) — "Microsoft appear to have decided that their future is in cloud, not the enterprise data centre."

THE REGISTER   `NEWS`

[Data Warehouse Market Ripe for Disruption, Gartner Says](#)

DATANAMI   `NEWS`

[Couchbase Raises $30m in Series-F Fundraising Round](#)

THE REGISTER   `NEWS`

[Crate Raises $4M Seed Round for Its Next-Gen SQL Database](#)

TECHCRUNCH   `NEWS`

[Microsoft exec: Frustrated customers are lining up to ditch Oracle and jump on our cloud](#)

BUSINESS INSIDER   `NEWS`

[Monitor MySQL, Redis, DynamoDB, Amazon RDS, Postgres, and more](#) — Datadog collects DB metrics for graphing, alerting, and full-stack correlation analysis. 14-day unlimited trial.

DATADOG   `TOOLS`   `SPONSORED`

[Graph Databases 101](#) — A quick, high level introduction to what graph databases are about.

DAVID MIZELL

[A Quick Look At Postgres' Source Code](#)

KATE THOMPSON

[An Overview of Apache Streaming Technologies](#)

DATABASELINE

[Search for Emoji with Elasticsearch](#)

DAMIEN ALEXANDRE

[Analyzing Your Gmail Email Dump with SQL](#)

PERISCOPE

[On-Time Flight Performance with GraphFrames for Apache Spark](#)

DATABRICKS

[Descriptive Statistics in SQL](#)

JEAN-NICHOLAS HOULD

[Why Hadoop Must Evolve Toward Greater Simplicity](#)
ALEX WOODIE

[Redis Performance Dashboard and Autoscaling from RedisGreen](#) — Redis auto-scaling and analytics.
Backed by support from engineers with years of Redis scaling expertise.
REDISGREEN `TOOLS` `SPONSORED`

[Slazure: A Runtime Data Mapper for .NET developers](#)
SYSSURGE AS `TOOLS`

[mailcap: Email Capture and Archiving Server on RethinkDB](#) — A SMTP server tied to RethinkDB for storage.
BRYAN MORRIS `CODE`

[Match: Scalable Reverse Image Search built on Kubernetes and Elasticsearch](#)
PAVLOV `CODE`

[regrid: A File Storage System for RethinkDB Inspired by GridFS](#)
BRYAN MORRIS `CODE`