DB Weekly

DB Weekly

Issue 43 — December 19, 2014

Supported by

DB Weekly will be taking a break over the holiday season and should be back on Friday, January 9. Have a happy holiday season!

Disambiguating Databases

ACM QUEUE

Rick Richardson analyzes how picking a database technology is really about making smart tradeoffs and compromises in the face of your data model and required performance level.

PostgreSQL 9.4 Released: Increases Flexibility, Scalability and Performance

POSTGRESQL.ORG

With the new JSONB data type for PostgreSQL, users no longer have to choose between relational and non-relational data stores: they can have both at the same time.

fake2db: Create Test Databases That Are Populated with Fake Data

EMIR OZER

Generates fake but valid data-filled databases for testing purposes, currently with support for SQLite, MySQL, Postgres, and MongoDB.

New To Hadoop? Here's A Handy Guide to Get You Started

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Want to learn some Hadoop, eh? Well, get ready to drink from the fire hose, because the Hadoop ecosystem is crammed full of software, much of which duplicates efforts, and much of which is named so similarly that it's very confusing for newcomers. Learn more about the core pieces of Hadoop functionality.

DBExplorer: An OS X Database Management Tool

MAC APP STORE

Supports MySQL, PostgreSQL, SQLite, MongoDB and Redis.

MongoDB Administration 101 [video]

DAVE FINNEGAN

Covers MongoDB's data model, high availability through replication, scalability through sharding, and more.

Column Oriented Databases, In-Memory and On-Disk Formats

ALEXANDER STOCKO

kdb+ is a high performance time-series column-oriented database implemented in the K language and widely deployed within the financial sector.

Using Rust to Make a Safer Interface for Yahoo's Fast MDBM Database

ERICK TRYZELAAR

We covered MDBM last week.

NoSQL Database Scales to New Heights

DATANAMI

A look at FoundationDB fresh off the back of their feat of hitting 14.4 million random writes per second on a cluster last week.

Substitute PostgreSQL for Your NoSQL Needs

DICE

SQL, NoSQL, KnowSQL are all overloaded terms. Postgres has long taken a liberal approach to datatypes and schema-less datatypes play very well in its world. Here's a broader article that hints at much of this if you need a case vs. relational/NoSQL because with Postgres you really can have your cake and eat it too.

Do We Really Need Faster Databases?

FOUNDATIONDB

Given FoundationDB's clear focus on performance, the answer obviously quickly veers towards yes.

Jobs

In brief

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