DB Weekly

Database Weekly

Issue 151 — April 21, 2017

FEATURED

GeoMesa: An Open-Source Spatio-Temporal Database Layer — GeoMesa provides spatio-temporal indexing on top of Accumulo, Bigtable, and Cassandra, as well as near real-time stream processing and spatial semantics on top of Kafka.
THE GEOMESA PROJECT　TOOLS

Amazon Redshift Spectrum: Exabyte-Scale In-Place Queries of S3 Data — Spectrum makes it possible to run complex queries using Redshift on data stored on AWS S3 without any loading or data prep.
AMAZON　TOOLS

The Top Features Coming to SQL Server 2017 — A summary of what Microsoft has unveiled as coming to SQL Server 2017 from Python support to adaptive query optimization and a built-in graph database.
JOEY D'ANTONI

High Available and Scalable Open Source Database - SiriDB — The time series database SiriDB can scale on the fly, is robust by design and uses a unique mechanism to operate without indexes. SiriDB's query language includes dynamic grouping for easy and fast analysis. GitHub repo
TRANSCEPTOR TECHNOLOGY　SPONSORED

How to Calculate Multiple Aggregate Functions in a Single Query — A look at alternatives to using a large collection of SQL queries to query the same data in different ways, such as pivots and grouping sets.
JAVAOOQ

Architecture of Giants: Data Stacks at Facebook, Netflix, Airbnb, and Pinterest — Simple event data infrastructure diagrams from several fast-scaling companies.
MICHELLE WETZLER

Why to Use A Relational Database for Time-Series Data — NoSQL databases are commonly used to store time-series data, but the creator of TimescaleDB sets out a technical case for bringing time-series data into a relational setup.
MIKE FREEDMAN (TIMESCALE)

IN BRIEF

[Iguazio Re-Architects the Stack for Continuous Analytics](#)

DATANAMI `NEWS`

[Oracle's Databases and Developer Tools Now Available on Docker](#) — Oracle's main database product, WebLogic, Coherence, MySQL, and others are available in Docker containers on the Docker Store marketplace.

DOCKER `NEWS`

[Whitepaper: 5 Steps to Agile DB Management](#) — Database Management is years behind software development. Here's how to bring your DBs up to speed.

SELECTSTAR `SPONSORED`

[Removing Duplicate Rows in Postgres](#) — What if you accidentally load data twice? A look at handling duplicate data and a resulting clean up.

HANS-JUERGEN SCHOENIG `TUTORIAL`

[Tips for Monitoring Redis](#) — Ways to get more info from Redis, such as on latency and slow commands.

MIKE PERHAM `TUTORIAL`

[Creating Role-Based Access Control in MongoDB](#)

SCALEGRID `TUTORIAL`

[A Data Model for the Recruitment Process](#)

VERTABELO `TUTORIAL`

[MySQL Stored Procedures 101](#)

PETER LAFFERTY `TUTORIAL`

[Inside Anodot's Anomaly Detection System for Time-Series Data](#)

DATANAMI `STORY`

[Designing a Data Warehouse on Hadoop](#)

REALITY GAMES `STORY`

[Running Out of IDs](#) — *"Keep on using serial for most use cases and keep bigserial in your back pocket if a real need arises."*

JOSH BRANCHAUD `STORY`

[Cassandra vs. MongoDB](#) — Considering the differences between Cassandra vs. MongoDB as the data store for your next project

SCALEGRID.IO `OPINION` `SPONSORED`

[BigQuery: One Store to Rule Them All](#)

BRIGADE ENGINEERING `OPINION`

[SQL Is The Perfect Interface](#)

DAN GOLDIN `OPINION`

[Apache ORC: High-Performance Columnar Storage for Hadoop](#)

APACHE FOUNDATION `TOOLS`

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