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Database Weekly

Issue 157 — June 2, 2017

A Comparison of Advanced, Modern Cloud Databases — A non-exhaustive primer of modern cloud database solutions like Aurora, Cosmos, and Spanner.

BRANDUR LEACH

View Counting at Reddit with Cassandra and Redis — Reddit is so popular that even counting the number of views posts get provides an interesting technical challenge, as explained here.

UPVOTED

Monitoring Databases: A Product Comparison — Percona's Manjot Singh reviews five of the top database monitoring solutions on the market. Get his breakdown in [this blog](#).

SELECTSTAR **SPONSORED**



Amazon RDS Now Supports Stopping and Starting of DB Instances — Makes things easier and more affordable in development and test situations.

AMAZON WEB SERVICES

On Retiring Support for the Query Cache in MySQL 8.0

MORGAN TOCKER

Tutorials and Stories

How to Build a Non-Volatile Memory DBMS — Slides, a paper, and a video on building a new DBMS given the changes to hardware landscape due to non-volatile memory.

JOY ARULRAJ

How Pandora Uses Kafka — Kafka and related technologies have proven 'critical to Pandora's success' in serving their 80 million active users.

ALEX WOODIE

How to Find Redundant Indexes in SQL

JOOQ

When to Use Bind Values, and When to Use Inline Values in SQL

JOOQ

Writing a Firebase Clone with Postgres and Node.js (Part 1)

PATRICK ACKERMAN

Getting Started with MySQL High Availability

VEER ABHEEK SINGH MANHAS

Hybrid Data Encryption by Example using MySQL Enterprise Edition

MIKE FRANK

Postgres 10's New Features with Examples [PDF]

NORIYOSHI SHINODA

Breaking the WiredTiger Logjam: The Write-Ahead Log — Learn how the WiredTiger write-ahead log orchestrates many threads writing to a single buffer without locking.

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Migration From MySQL to TiDB to Handle Tens of Millions Rows of Data Per Day

TIDB BLOG

What to Expect When You're Expecting Data: 4 Valuable Lessons Learned —

Lessons include knowing the importance of driver selection, that query indexing is critical to smooth operations, and that DBaaS is valuable for startups.

STEVE PESCATORE

5 Reasons to Create a Continuous Delivery Database

ROBERT REEVES

Tools and Code

AgensGraph: A Multi-Model Graph Database — A multi-model graph database, built on top of Postgres, for modern complex data environments which supports relational and graph data models at the same time.

BITNINE GLOBAL, INC. **TOOLS**

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

LINODE **SPONSORED**

Apache Zeppelin: A Web-Based Notebook for Interactive Data Analytics

APACHE SOFTWARE FOUNDATION **TOOLS**

PGObserver: A Postgres Monitoring Tool — An open source tool to help you monitor a Postgres database and get insights on stored procedures, IO stats, index usage, and more.

ZALANDO **TOOLS**

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