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Database Weekly

[Apple Open Sources FoundationDB](#) — FoundationDB is a mature, distributed key-value datastore with fully global, cross-row ACID transactions. People on HN are [very excited](#) about this development with one commenter saying FoundationDB is *“the greatest piece of software I’ve ever worked on or used.”* [GitHub repo.](#)
APPLE, INC.

[MySQL 8.0 Released: What's New?](#) — A pretty huge release for the popular SQL database which gains a lot of new features from window functions and common table expressions (CTEs) to remote management, improved JSON support, and improved performance. Note that the [MariaDB](#) fork has had most of the new features for a while now.
MYSQL SERVER TEAM

[Get Optimised MongoDB Query Performance with Studio 3T](#) — Read the latest article in our new tutorial series on MongoDB performance with a piece on the powerful Profiler, and discover how the explain method can be an indispensable tool to improve queries and commands.
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[Postgres as the Substructure for IoT and the Next Wave of Computing](#) — How PostgreSQL accidentally became the ideal platform for IoT apps & services.
AJAY KULKARNI

[An Overview of MySQL 8.0's Document Store](#) — MySQL 8.0 is out and includes a new ‘document store’ which essentially brings NoSQL/document-oriented features to MySQL.
MIKE FRANK

[Presto Use Surges, Qubole Finds](#) — [Presto](#) is a distributed in-memory SQL query engine originally developed by Facebook and released in 2013 to be a faster and more flexible alternative to Apache Hive.
DATANAMI

[Developments in High-Volume Processing with PostgreSQL](#) — A run down of the major performance improvements in recent Postgres releases and what each means.
ADRIEN NAYRAT

[Google Cloud SQL for PostgreSQL Now Generally Available](#) — Backed by Google’s 24x7 SRE team, high availability with automatic failover, and SLA.
GOOGLE CLOUD PLATFORM

[CockroachDB Claims to Be 10x More Scalable Than Amazon Aurora for OLTP Workloads](#) — Tested at 10x more TPC-C throughput, specifically.
ARJUN NARAYAN

[Getting Started with Python and InfluxDB](#)
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[How to Make Your MySQL or MariaDB Database Highly Available on AWS and Google Cloud](#)
KRZYSZTOF KSIAZEK

[Orchestrating Stateful Apps with Kubernetes StatefulSets and YugaByte DB](#)

SID CHOUDHURY

[The Big Data Analytics of F1 Racing](#) — Data analytics is key in Formula 1 motor-racing with the huge amounts of telemetry received from the cars.

DATANAMI

[Give Meaning to 100 Billion Events a Day - The Analytics Pipeline at Teads](#) — How one team orchestrates Kafka, Dataflow and BigQuery together to ingest and transform a large stream of events.

ALBAN PERILLAT-MERCEROZ

[Linux Cloud Hosting Starting at 1GB of RAM for \\$5/mo](#)

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