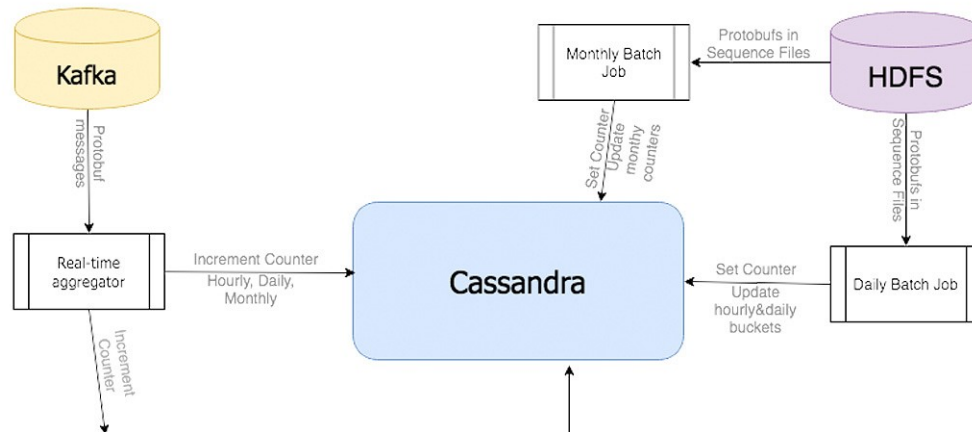


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Database Weekly



[Keeping Play Counts In Sync on SoundCloud](#) — “what might seem like a simple counting system is actually a cornucopia of services”.. and it involves Cassandra, HDFS, memcached, and Kafka! Interesting to see the dataflows in a high scale service like SoundCloud.

SOUNDCLOUD

[Python Gains Traction Among Data Scientists](#) — Though that’s not the whole story with R preferred in the retail sector and SAS in healthcare.

DATANAMI

► **[A Technical Overview of Azure Cosmos DB](#)** — Azure Cosmos DB is one of the more interesting databases of recent years, being a highly scalable *multi-model* database. It’s Azure only, though there [is a local emulator](#).

MICROSOFT DEVELOPER

[Now Available: MongoDB Atlas Free Tier on Google Cloud Platform](#) — At MongoDB World 2018, Google Cloud Platform and MongoDB announced the general availability of MongoDB Atlas’s free replica sets on GCP. Get your free 3-node replica set today.

MONGODB SPONSOR

[Gracefully Scaling to 10k PostgreSQL Connections for Cheap](#) — A now-complete three part series ([part 2](#) and [part 3](#)) on how a team of engineers have scaled PostgreSQL using PgBouncer and Kubernetes.

ALEXANDER H. BLACK

[Why Blockchains Don’t Suck, and the Perils of Distributed Databases](#) — Hello, controversial post alert :-> “The aim of this post was to present a counterpoint to the mid-2018 trend of slamming blockchain technologies.”

CORAL HEALTH

[Google Compute Now Has 'ultramem' Machine Types with 4TB RAM](#) — Up to 160 vCPUs (a record for a public cloud) and 4TB of memory on a single instance are now available. Unsurprisingly, SAP workloads are a target for such scale.

GOOGLE

[New Amazon EC2 Instance Types Announced: Z1d, R5 and R5d](#) — The new instance types are all compute or memory optimized with Z1d instances optimized for the highest per-core performance and the R5 and R5d instances aimed at databases and analytics use.

JEFF BARR (AWS)

[MapD's GPU-Powered Database Now Available in Google Cloud's Marketplace](#) — GPU-powered database MapD is now available through the Google Cloud Launcher.

DATANAMI

[Studio 3T Adds SQL Joins Wizardry To Its MongoDB IDE](#) — Transfer your SQL skills to the new enterprise database, read: “How to Create MongoDB Joins Using SQL.”

STUDIO 3T SPONSOR

[How SQL DISTINCT and ORDER BY are Related](#)

LUKAS EDER

[AWS Kinesis with Lambdas: Lessons Learned at Scale at Trivago](#) — Trivago built a serverless pipeline to replicate data stored in on-premise MySQL machines to AWS.

TRIVAGO

[Uniting SQL and NoSQL for Monitoring: Why PostgreSQL Is The Ultimate Data Store for Prometheus](#)

NIKSAJAKOVLJEVIC

[HuskyDB: Windows Native C++ NoSQL Database](#) — A lightweight document-oriented database optimized for Windows.

PETER GRAMENIDES

[Redisson: A Redis-Based Java In-Memory Data Grid](#)

REDISSON

[kafka_fdw: Apache Kafka Foreign Database Wrapper for Postgres](#) — Want to query Kafka directly from Postgres? This FDW allows you to treat a Kafka stream like a Postgres table.

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