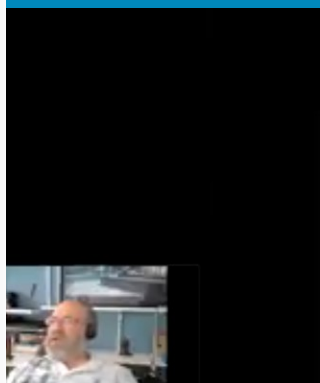


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#264 — JULY 11, 2018

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Postgres Weekly



+ json_extract_path examples

```
andrew=# select json_extract_path('["a",1,true,null,
                                3.45,{"c":"foo"}]')::json,
                                5::text, 'c');
 json_extract_path 
-----
"foo"
```

```
andrew=# select json_extract_path_text('["a",1,true,null,
                                3.45,{"c":"foo"}]')::json,
```

► **An Introduction to JSON Data Types in PostgreSQL** — We don't often get a high quality videos in this newsletter and this isn't as basic as the title suggests. A good one-stop-shop to get up to speed with working with JSON in Postgres.

ANDREW DUNSTAN

Audit Logging using JSONB in Postgres — A look at a way to use the JSONB data type to store auditing details using a trigger-based approach. In a followup post, Denish also looks at [audit logging using Postgres partitioning](#).

DENISH PATEL

AlwaysOn Multi-master Replication for Distributed PostgreSQL — Postgres-BDR from 2ndQuadrant presents true high availability with Point-In-Time Recovery. BDR provides rolling upgrades, with zero downtime, for geographically distributed PostgreSQL databases.

2NDQUADRANT POSTGRES SQL PRODUCTS SPONSOR

Modelling for Concurrency — A practical exercise oriented around modelling a tweet-like data model to tolerate concurrent updates relating to the same 'tweet', though *"if you know that your application has to scale, think about how to avoid concurrent activity that competes against a single shared resource."*

DIMITRI FONTAINE

A Beginner's Guide to UPDATE and Autovacuum — *"In 90% of all cases autovacuum does a perfect job and cleans out tables just the way it should be. However, there are cases, in which things can turn out to be a problem.."*

HANS-JÜRGEN SCHÖNIG

Integrating Tools to Manage Postgres in Production — What types of tools do you need to effectively run a Postgres instance in a production environment?

ACHILLEAS MANTZIOS

Using PG11 Procedures for Batch Geocoding and Other Batch Processing — ANSI SQL's

CREATE PROCEDURE is coming to Postgres 11.

LEO HSU AND REGINA OBE

Postgres Log Analysis with pgBadger — [pgBadger](#) is a open source PostgreSQL log analyzer that generates HTML reports.

BRIAN FEHRLE

Streaming ETL in Practice with PostgreSQL, Apache Kafka, and KSQL — Have you thought you needed to be a programmer to do stream processing and build streaming data pipelines? Think again!

ROBIN MOFFATT

Test Your PostgreSQL Skills with PostgreSQL 10 Associate Certification

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Ask HN: Have You Ever Chosen Postgres Over Mongo and Regretted It? — Most of the comments suggest *no*, though Mongo's schemaless nature can initially make prototypes faster to develop.

HACKER NEWS

E-Maj 2.3.0: Tracks Updates on Tables Sets with Rollback Capabilities — An extension that enables fine-grained write logging and time travel on database subsets. This new version supports Postgres 9.2 up to v11.

PHILIPPE BEAUDOIN

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