Monthly Community Call

December 14, 2022

Community Code of Conduct

- We want to foster an open and welcoming environment where everyone feels they belong in the Cube community.

- The full text of our Code of Conduct is available at https://github.com/cube-js/cube.js/blob/master/CODE_OF_CONDUCT.md

- Any instances of inappropriate/unacceptable behavior can be reported to conduct@cube.dev.

What we will discuss today

- Community news
- YAML data modeling in Cube
- Q&A

Community news

Events recap: cube.dev/events 🎉

Dec 7, 2022	**move(data) 2022: Navigating the Modern Data Stack with Open-Source Headless BI**	

Dec 7, 2022

Replacing Looker with Cube and Metabase

Igor Lukanin
Head of Developer Relations at Cube

You can find both videos and slides from past events!

Nov 15, 2022 **OSA Con 2022: Navigating the Modern Data Stack with Open-Source Headless BI**

If you received a survey for our last workshop, we want to hear from you! 😊

Navigating the Modern Data Stack with Open-source Headless BI

Artyom Keydunov, Cube Dev CEO and Co-founder, gave an in-depth tutorial at OSACon 2022 on using Cube's headless BI layer to provide consistent data for all your applications (e.g., for visualization, dashboarding, embedded analytics) while also ensuring sub-second latency, centrally managing access rules, etc.

Artyom Keydunov

CEO and Co-founder
Cube

Artyom Keydunov, CEO & Co-Founder

cube.js

Cube was also a community sponsor for the event:
https://altinity.com/osa-con/

- Headless BI presentation by Pavel Tiunov at PrestoCon: https://events.linuxfoundation.org/prestocon/
- Recording should be available from the Presto community soon 🤞
- It was great to meet some community members in person 🎉
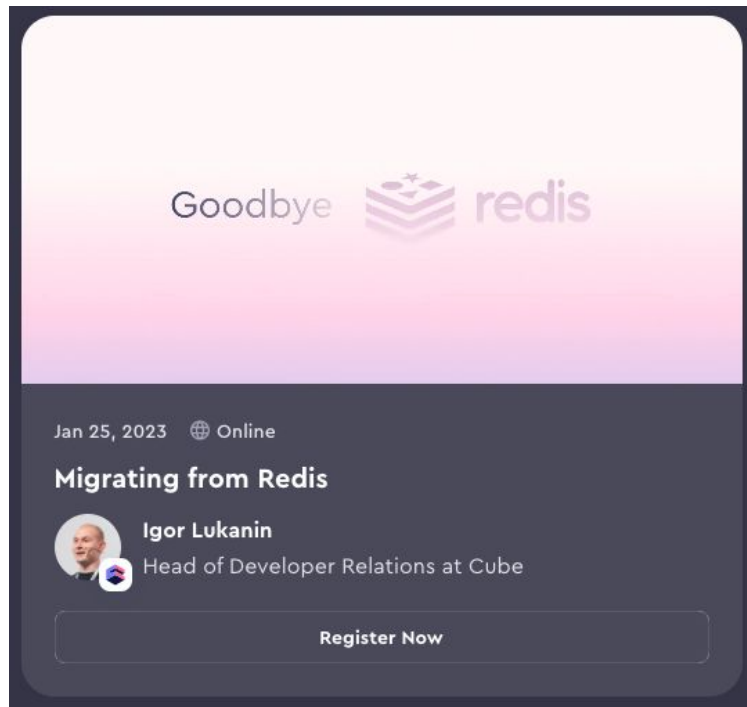
Philip Bell
@GitMetaPhysical

Great hearing @paveltiunov87 talk yesterday at #prestocon on Headless BI. @cubejs hands down has some of the best #DevRel in open source, and it was great to use the tool for the first time when I was working for @schoolytics - be sure to check out both companies!

9:14 AM · Dec 9, 2022
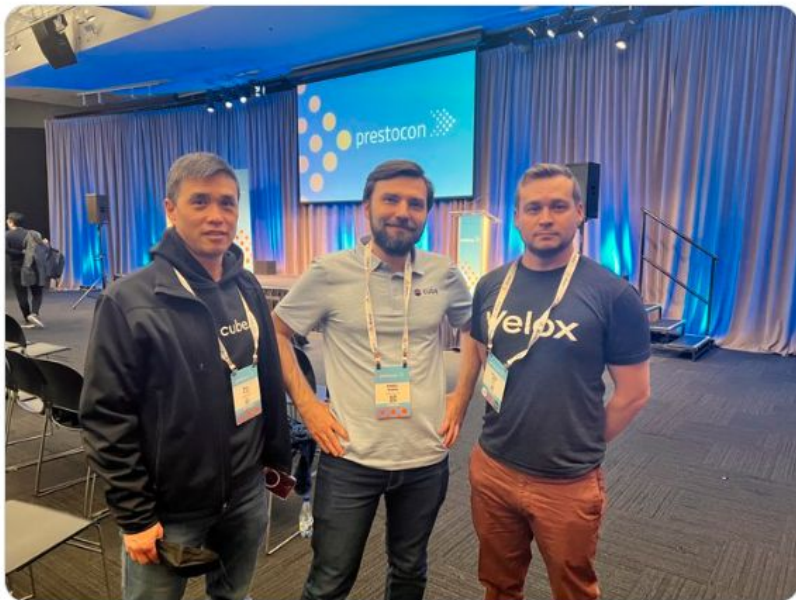
Our next workshop 💻

- Date: January 25, 2022 at 9am Pacific Time
- Topic: Migrating from Redis
- Register for the event at
  cube.dev/events/migrating-from-redis 👈
- See our roadmap epic at
  github.com/cube-js/cube.js/issues/5042

- Let us know if you have suggestions for
  future workshop topics!

Goodbye redis

Jan 25, 2023   🌐 Online

Migrating from Redis

Igor Lukanin
Head of Developer Relations at Cube

Register Now

Meetup in Hong Kong 🎊

meetup.com/apac-data-and-digital-community/events/290211053

Learn how Jonathan and the team used Cube to build a single source of truth and pre-aggregations to solve latency issues

cube ♥ YAML

Blog post at cube.dev/blog/introducing-cube-support-for-yaml-data-modeling

Introducing YAML Data Modeling in Cube

You asked—we listened. Now, you can do your Cube data modeling in YAML.

November 17, 2022

Data Modeling

Artyom Keydunov
Co-founder and CEO at Cube

We often hear from our customers that they want the ability to create data models in languages other than JavaScript—specifically YAML and Python. Today, we're excited to release a public preview for YAML data modeling in Cube. This feature is available in both Cube Cloud and Cube Core.

Epic: Add YAML support #5045

Edit   New issue

✓ Closed   0 comments   👁 ▾

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rpaik on Aug 1   Member   ☺ ✏ ⋯

We learned that a Javascript-centric data model can be a big adoption blocker for data engineers. This Epic will introduce YAML-based runtime and data modeling to increase the Cube adoption by data engineers.

In the future, we may look into adding other languages such as Python.

🏷 👤 **rpaik** added Epic   Roadmap: 2022 Q3   labels on Aug 1

Assignees   ⚙

No one—assign yourself

Labels   ⚙

Epic   Roadmap: 2022 Q3

Projects   ⚙

▦ Roadmap 2022 Q3

Done ▾

How it works

```yaml
cubes:
  - name: orders
    sql: SELECT * FROM public.orders

    measures:
      - name: count
        type: count
      - name: total_revenue
        sql: amount
        type: sum

    dimensions:
      - name: id
        sql: id
        type: number
        primary_key: true
      - name: status
        sql: status
        type: string
```

How it works

- Data model properties support both camel case (`countDistinct`) and snake case (`count_distinct`)

- Multiline strings are supported for `sql` properties

- Both `COMPILE_CONTEXT` and `FILTER_PARAMS` context variables are supported

- References to context variables, cubes, or views are wrapped in braces: `{FILTER_PARAMS.Orders.created_at.filter('created_at')}`

Demo 👨‍💻

What to expect

- [Dynamic data model](#) generation with Python

  - Similar to how it can be done today with JavaScript

- Cube configuration in YAML

  - Similar to how it can be done today using the `cube.js` file

- Documentation update to YAML

- Cube Cloud IDE update to YAML