



• PGConf EU 2024

# Supporting extensions, but for real this time





# Why Postgres?



| /in/floordrees

| @DevOpsBarbie

| @floord@hachyderm.io

## Floor Drees 🐔

- Head of Education @ Tembo.io 🐘
- Prev: Aiven, Grafana Labs, Microsoft
- Devopsdays Core / Amsterdam
- PGDay Lowlands
- PostgreSQL CoCC member
- pg\_karaoke



# **Extensibility as a double-edged sword**



### Postgres Extensions Ecosystem Mini-Summit - March 6, 2024



Tembo  
251 subscribers

Subscribe

16
 
 Share

### Extension Ecosystem Mini-Summits

Tembo - 1 / 6



- Postgres Extensions Ecosystem Mini-Summit - ...  
Tembo
- Postgres Extensions Ecosystem Mini-Summit - ...  
Tembo
- Postgres Extensions Ecosystem Mini-Summit - Apr...  
Tembo
- Postgres Extensions Ecosystem Mini-Summit - Apr...  
Tembo
- Postgres Extensions Ecosystem Mini-Summit - Ma...  
Tembo
- Postgres Extensions Ecosystem Mini-Summit - Ma...  
Tembo



# Addressing the elephant in the room

**Open Source  
is not funded  
for its value**

**Open Source  
relies on people  
doing the work**

**Relicensing  
poses real  
challenges**

[RELEASES](#)[BLOG](#)[GEMS](#)[GUIDES](#)[SIGN IN](#)[SIGN UP](#)

# Find, install, and publish RubyGems.


[Advanced Search →](#)

**181,650,379,075**

DOWNLOADS & COUNTING

Install RubyGems



 STATUS

 UPTIME

<https://rubygems.org/>



## The WordPress saga

- WordPress powers 43% of websites, via Automattic, WP Engine, or other vendor
- .com and .org and the foundation, same difference
- Open source purity only when it's convenient



Log in to your WordPress.org account to contribute to WordPress, get help in the support forum, or rate and review themes and plugins.

Username or Email Address

Password

I am not affiliated with WP Engine in any way, financially or otherwise.

Remember Me

Log In

[Lost password?](#) • [Create an account](#)



English








WordPress reposted



**Povilas Korop | Laravel Courses Creator & Youtuber** 

@PovilasKorop



My prediction about moving from WordPress.

Many people will shout loud "Let's run away from WP!!!"

Some will even try.

But then they will realize how much time/energy/money it would cost.

With adopting new tools that have OTHER problems than WP.

So WP will be ok.

6:59 AM · Oct 14, 2024 · **44.2K** Views



## License rug pulling is an actual problem

- Redis > Valkey
- Elasticsearch > OpenSearch
- Terraform > OpenTofu
- ...



## The issues

- Individual / single vendor
- Question of ownership
- Rather than consolidate, we want to win
- No feedback mechanism, unless something's broken

Over 3/4 of unpaid maintainers would prefer to get paid

MYTH:

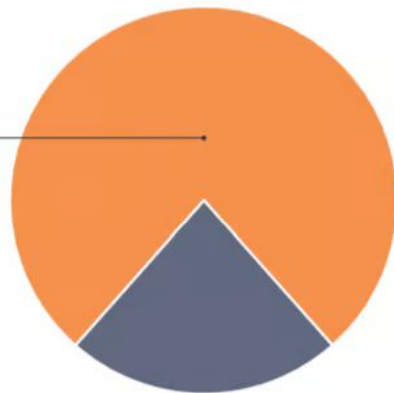
“  
MAINTAINERS PREFER  
TO WORK ON OPEN SOURCE  
AS AN UNPAID HOBBY.”

”

REALITY:

77%

of unpaid maintainers  
would like to get paid



n=194



## Maintenance work is work

- Developing in step with Postgres versions is non-trivial as a solo dev

14:40 – 15:30



Room: Olympia B

Track: Community

Supporting a New PostgreSQL Version in Your Extension - A Citus Case Study



Naisila Puka

Microsoft



## The CRA might make us care

- Cyber Resilience Act is coming for all of us
- A PMC of 1 can't meet the requirements of the CRA, you'd be irresponsible placing your project onto the market
- Definition tbd: a makefile, making your software available through package managers, writing release notes, etc, signaling a healthy project, vs a hobby script you threw on GitHub



**What do we need?**

**When do we need it?**



## State of the Extension Ecosystem

- Not recognized as contributing to PostgreSQL
- Vicious circle
- Some level of standardization
- Community sharing resources



# Extension Ecosystem Summit

- [pgmq](#), [pg\\_statviz](#), [pg\\_tde](#), [pgzx](#),  
[pgvectorscale](#), [pgai](#)
- 36 participants, potential contributors, find community
- <https://github.com/tembo-io/tembo-labs/tree/main/extensions-ecosystem-summit>







# What else?

- Bounties?
- Hacktoberfest?
- Consolidate!
- Collaborate!

The image shows a screenshot of the GitHub Bounties interface. At the top, it says "Bounties" and "Create new bounties using the `/bounty $AMOUNT` command on Github." There are buttons for "Open 8" and "Completed 4", and filters for "Hide claimed" and "Hide attempted".

Below this, there are several bounty cards. Each card shows a bounty amount (e.g., \$200, \$100, \$80), the title of the bounty, and the creator's profile picture and name. Some cards also show the number of claims and the time since the bounty was created.

At the bottom, there is a screenshot of the GitHub Issues page for the repository "tembo-io / pg\_vectorize". The page shows a list of issues, including "No Way to Change Ollama and OpenAI Embedding Models", "increase embedding provider support", "bring your own embeddings", "drop table event triggers for vectorize.jobs", "drop deprecated parameters from vectorize.table()", "rename vectorize.table 'table' parameter", "chunking support to vectorize.table()", and "option to log llm response".



# Thank you!

| /in/floordrees

| @DevOpsBarbie

| @floord@hachyderm.io

**I'm David**

