

An introduction to MariaDB contributions

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All the MariaDBs

- Server
- Corporation
- Foundation

Introduction

- Chief Contributions Officer
- Pillars of MariaDB Foundation
 - Openness
 - Adoption
 - Continuity

Continuity

- Make all kind of contributions easier
 - Reduce open/close PR time
 - Not at cost of quality and communications

Openness

- Create and publish metrics

Adoption

- Work with communities to improve MariaDB for them

Types of Contributions

- Code
- Funding
- Documentation
- Community
- Translations
- Usage / bug reports / feature requests

Non-code contributions

- I am going to be focusing on code contributions, but...
- Intel in particular make some great non-code contributions
- There will always be things you can help with, even if you can't code

Why Contributions Are Important

- Much more diverse input from a range of life experiences
- Project direction the way users want, not led by one company
- Fixing things that are important to you
- Building a real community around the project

Drizzle Anecdote



Drizzle Anecdote

2009: Goal of 50% of contributors outside of Sun

Drizzle Anecdote

2010: 100% contributors outside Sun

(Oracle acquired it and fired the entire Drizzle development team)

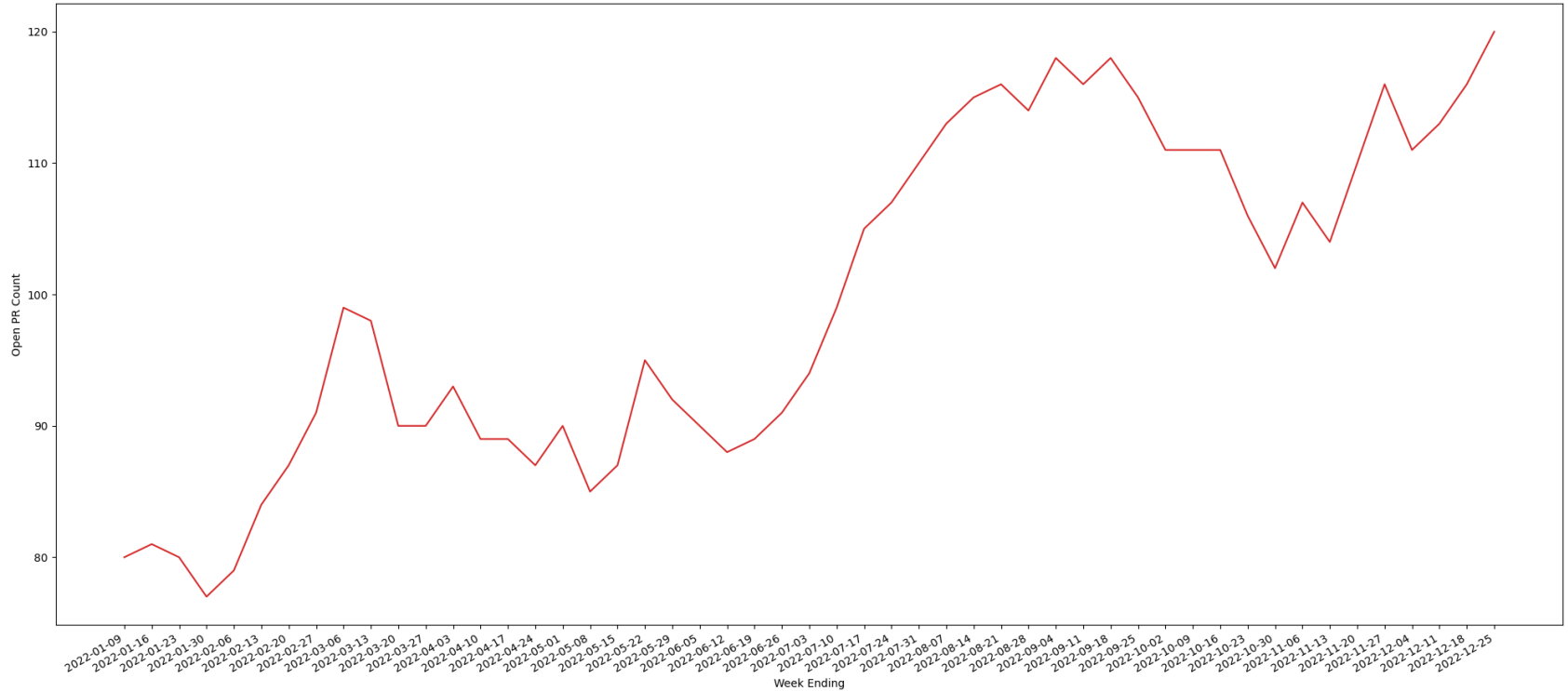
Drizzle Anecdote - The point

- MariaDB Server has more external contributors than internal
- 2022:
 - 36 from MariaDB Corporation
 - 8 from MariaDB Foundation
 - 68 elsewhere
- Similar statistics from 2019
- “Something” happened in 2020 and the statistics dipped
- Although most contributions still come from MariaDB Corporation

Contribution Stats 2022

Entity	Hackers	Commits	Lines Added / Removed
MariaDB Corporation	36	1810	445906 / 311357
MariaDB Foundation	8	179	20368 / 15221
Other	68	206	18381 / 9603

Pull Request Stats 2022



Metrics Future

- Breakdown of commit contributions by module / engine
- Average time to merge on pull requests (median and mean)
- Buildbot contribution metrics
- More community metrics
- What do you want to see? Contact us!

How to Contribute Code

- I've written a blog post on this which you should check out
- There are some basic steps to follow
 - It helps reduce the round trip time during review
 - Or rejecting things we could never accept

Contributing Code Step 1

Communication

- Talk to us, we can guide you, help you out with every step
- MariaDB team are approachable, via Jira and Zulip preferably
- In particular Vicentiu, Daniel or me at the Foundation
- Tell us what you want to work on
- If you don't know, take a look at the "beginner-friendly" tag on Jira
 - We can talk you through these
- If there is no Jira ticket yet, open one

Contributing Code Step 2

Hacking

- Write some code
- Against the oldest affected release for bug fixes
- Against the newest development version for features
- Please stick to the same coding standards as the surrounding code
- Make sure to add tests
- Run the mtr test suite locally to make sure nothing is broken
- If it is a feature, write some rough documentation in the Jira ticket

Contributing Code Step 3

Pull Request

- A form will pop up, filling this in will help us triage the pull request and figure out the intention easier
- If this is your first time, the CLA assistant will pop-up
 - Alternatively offer it under the 3-Clause BSD license
- Buildbot will report some of the builders directly to GitHub, check for failed ones

Contributing Code Step 4

Code Review

- MariaDB engineers will review the code and give feedback and advice
- If we think the code is ready, we will approve and merge it
- Community members are also welcome to review and comment on code (another way to contribute)
- If we are taking time getting to your pull request or drop the ball, tag me (@LinuxJedi) in it
- We have a large backlog right now and it is easy to miss things

The End



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