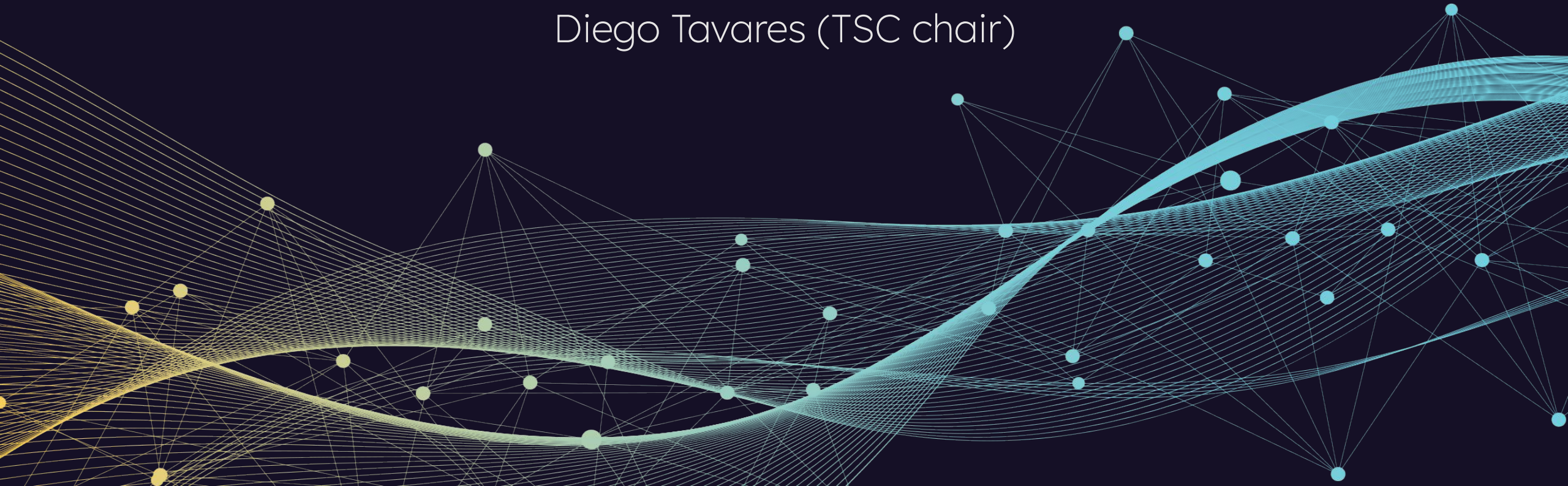


OpenCue Project Review 2025

Diego Tavares (TSC chair)



Technical Steering Committee



Brian Cipriano
Google



Diego Tavares
Imageworks



Ramon Figueiredo
Imageworks



Jimmy Christensen
Ghost VFX



Agenda

- OpenCue History
- Last Year Review
- Next Year Forecast
- Community Overview



OpenCue History



OpenCue History

OpenCue is an open source render management system

| Job | State | Done/Total | Running | Dead | Eaten | Wait | MaxRss | Age | Launched | Finished | Progress |
|----------------------------------|---------|------------|---------|------|-------|------|--------|--------|-------------|----------|----------|
| ht3-seq.ifm-patrick_lgts_patrick | Failing | 2 of 10 | 2 | 3 | 0 | 2 | 21.4G | 000:41 | 06/20 10:31 | | |

| Name | Services | Range | Cores | Memory | Gpu | MaxRss | Total | Done | Run | Depenc | Wait | Eater | Dead | Avg | Tags |
|--------------------------------------|------------|-------|-------|--------|-----|--------|-------|------|-----|--------|------|-------|------|----------|--------------------------|
| bty_bg_s3d_lf_3d | arnold | 1-8 | 4.00 | 21.4G | OK | 21.4G | 8 | 1 | 2 | 0 | 2 | 0 | 3 | 00:34:41 | wan desktop general |
| bty_bg_s3d_lf_3d_preprocess | preprocess | 1 | 0.60 | 256M | OK | OK | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 00:00:42 | preprocess |
| bty_bg_s3d_lf_3d_postprocess_deep_id | shell | 1 | 1.00 | 3.2G | OK | OK | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 00:00:00 | desktop util general |

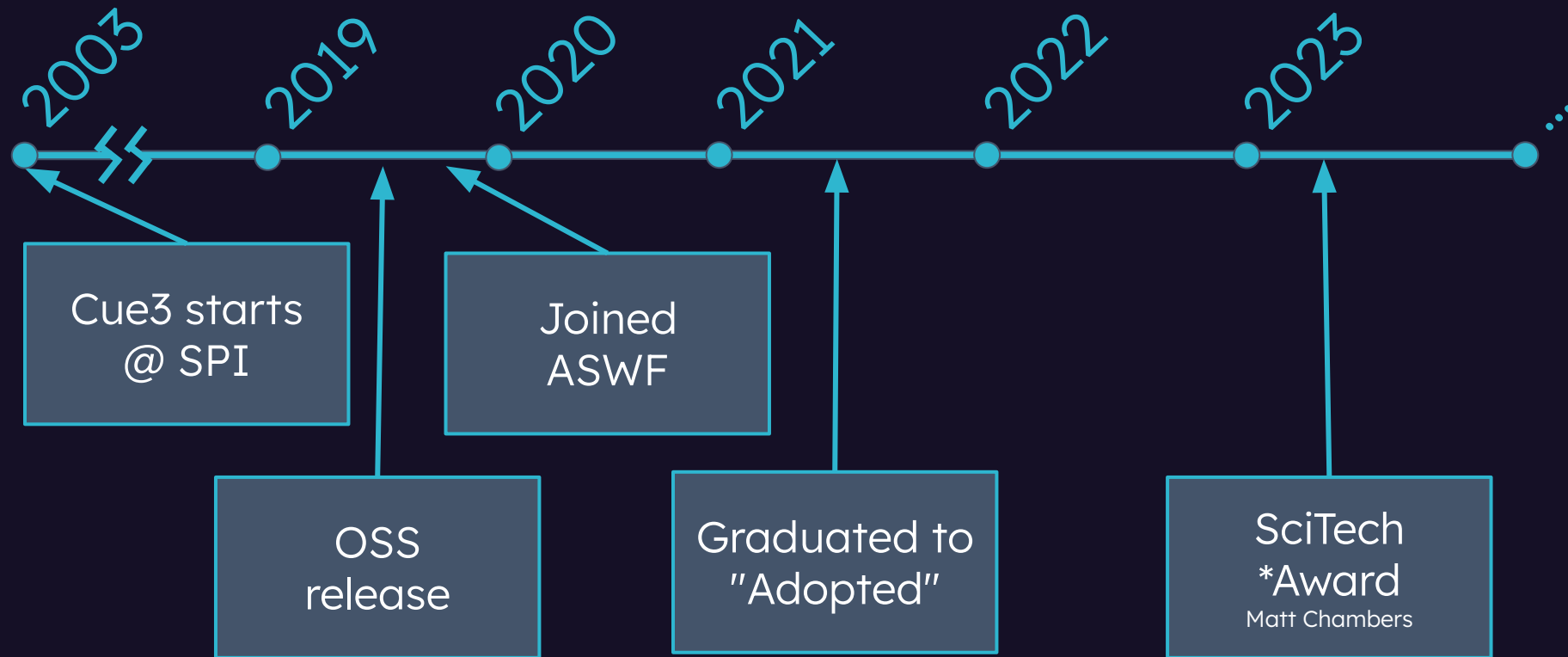
Refresh Clear Select Status ▼ Filter Layers ▼ Filter Status ▼ (Limited to 1000 frames) ht3-seq.ifm-patrick_lgts_pat

| Order ▼ | Frame | Layer | Status | Cores | Host | Retries | CheckP | Runtime | LLU | Memory | Remain | Start Time | Stop Time |
|---------|-------|-------------------------------------|-----------|-------|----------------|---------|--------|---------|----------|--------|--------|-------------|-------------|
| 0 | 1 | bty_bg_s3d_lf_3d | Dead | 12.00 | wolf1073/12.00 | 1 | 0 | 0:03:42 | | 1.8G | | 06/20 10:39 | 06/20 10:43 |
| 0 | 1 | bty_bg_s3d_lf_3d_preprocess | Succeeded | 0.60 | duck8115/0.60 | 0 | 0 | 0:00:44 | | 527M | | 06/20 10:31 | 06/20 10:32 |
| 0 | 1 | bty_bg_s3d_lf_3d_postprocess_dee... | Depend | | | 0 | 0 | 0:00:00 | | OK | | | |
| 1 | 2 | bty_bg_s3d_lf_3d | Succeeded | 12.00 | wolf0811/12.00 | 0 | 0 | 0:34:42 | | 21.4G | | 06/20 10:37 | 06/20 11:12 |
| 2 | 3 | bty_bg_s3d_lf_3d | Dead | 12.00 | wolf0236/12.00 | 1 | 0 | 0:01:32 | | 1.3G | | 06/20 10:45 | 06/20 10:47 |
| 3 | 4 | bty_bg_s3d_lf_3d | Dead | 12.00 | duck7715/12.00 | 1 | 0 | 0:04:43 | | 1.9G | | 06/20 10:52 | 06/20 10:57 |
| 4 | 5 | bty_bg_s3d_lf_3d | Running | 12.00 | duck4312/12.00 | 0 | 0 | 0:15:15 | 00:02:46 | 3.1G | | 06/20 10:57 | |
| 5 | 6 | bty_bg_s3d_lf_3d | Running | 12.00 | wolf0811/12.00 | 0 | 0 | 0:00:29 | 00:00:12 | OK | | 06/20 11:12 | |
| 6 | 7 | bty_bg_s3d_lf_3d | Waiting | | | 0 | 0 | 0:00:00 | | OK | | | |
| 7 | 8 | bty_bg_s3d_lf_3d | Waiting | | | 0 | 0 | 0:00:00 | | OK | | | |

OpenCue History



OpenCue History



Last Year Review



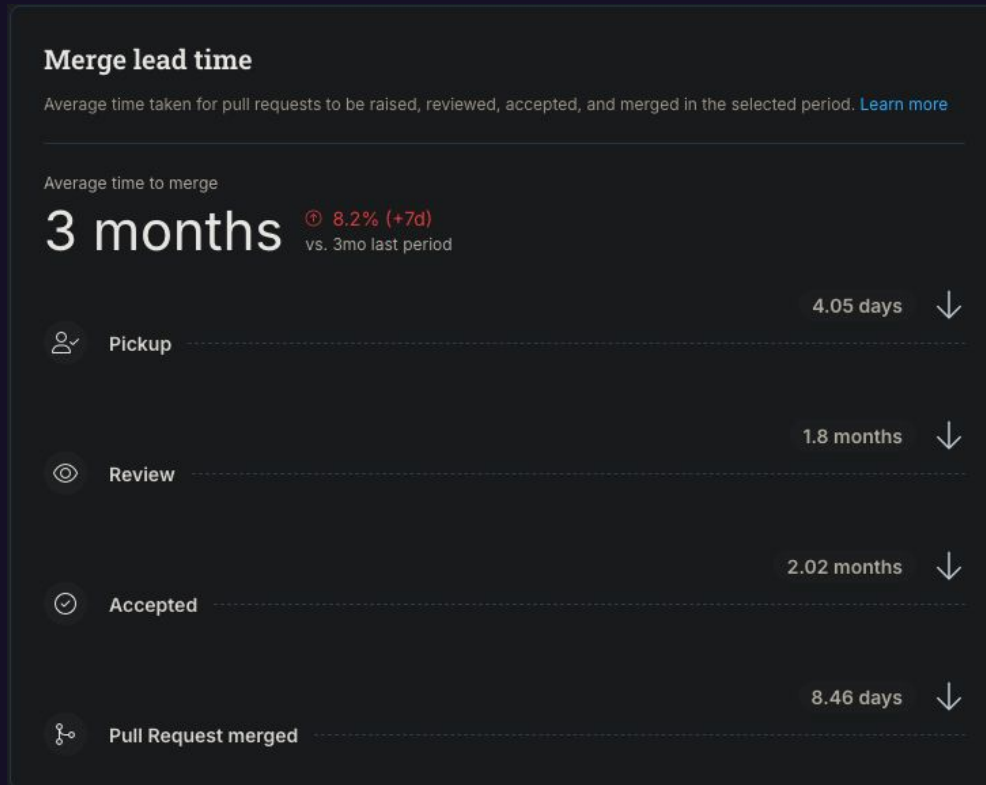
Review

- Resolve Stale PRs
- Cueweb
 - A new webpage for interacting with the Cue
- Containerized Frames
 - Each job runs on its own docker container
- First Major release (v1)
 - Releases are now frequent, at least 1 every 6 months
- Loki - Log aggregator
 - Support for frame logs
- Slack is now our main communication channel

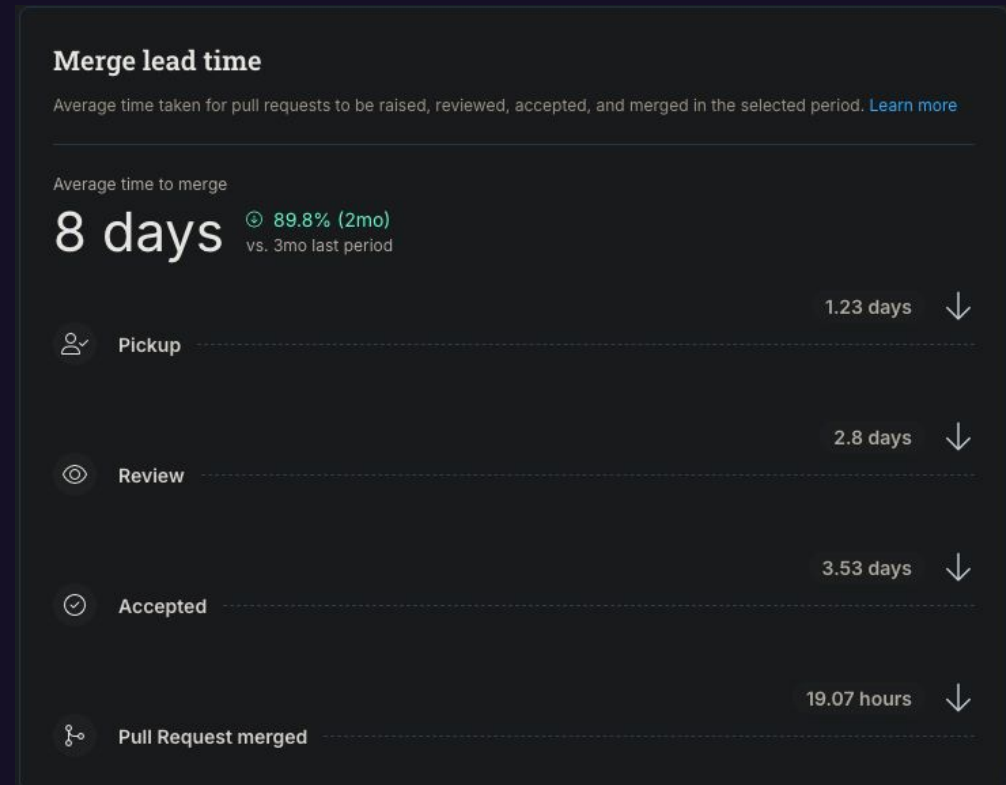


Community Overview

2023/2024



2024/2025

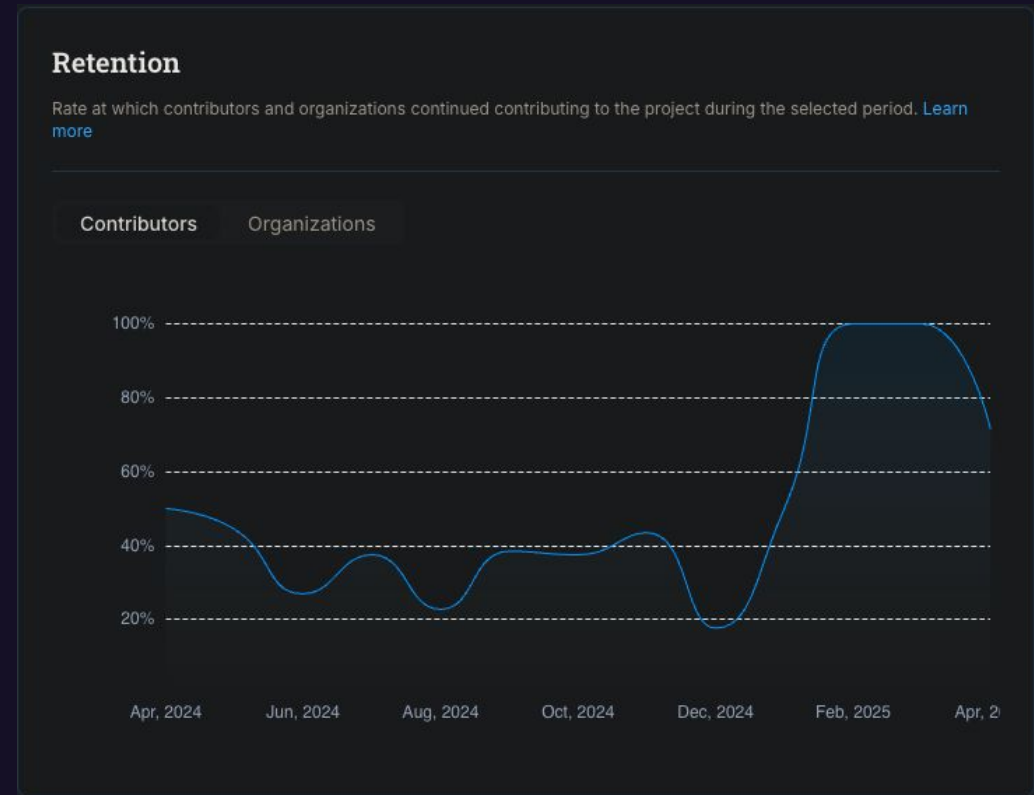


Community Overview

2023/2024

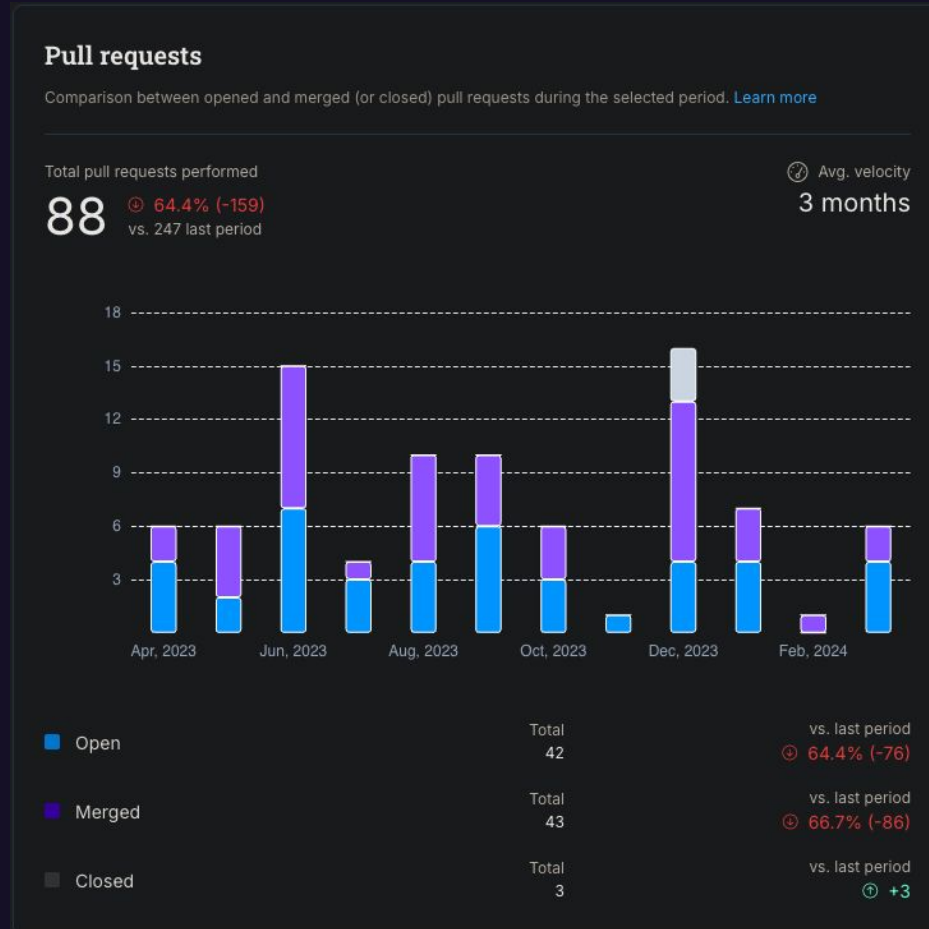


2024/2025

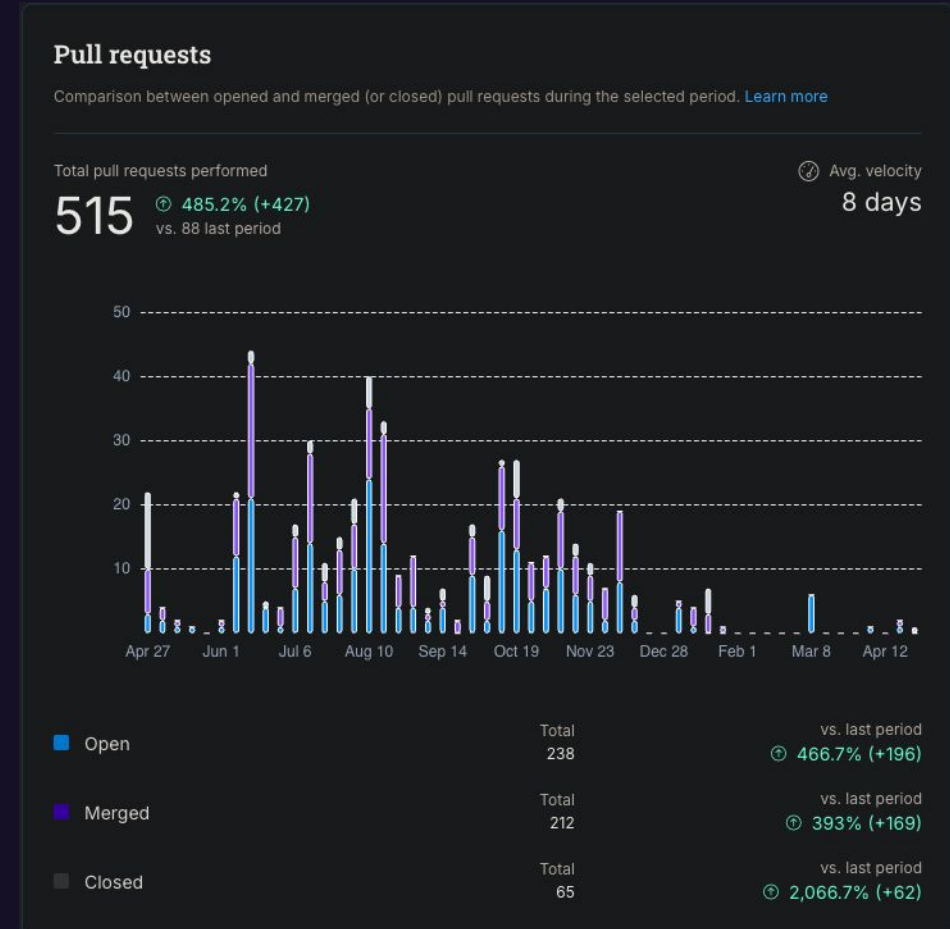


Community Overview

2023/2024



2024/2025



Next Year Forecast



Goals

- Redesign agent (Rqd) on rust
- Migrate the opencue.io webpage and docs to Github pages
- Make OpenCue Off-the-shelf
 - Release server on Docker-hub
 - Release pip packages for GUI, API and agent
- Optimize booking query
 - Improve performance
 - Increase capacity
 - Reduce dependency on Database performance



ASWF

/* ACADEMY
SOFTWARE
FOUNDATION

