



Community Office Hours

What?

[Parca](#) Community Office Hours are bi-weekly public meetings focused on [Parca](#) and [Parca Agent](#) development and contributions. It's meant for developers and maintainers to meet and get unblocked, pair review, and discuss development aspects of the Parca project.

<https://www.parca.dev> | <https://github.com/parca-dev> | <https://twitter.com/ParcaDev>

Subscribe not to miss them out: [Parca Event Calendar](#)

For meeting recordings: [Parca - YouTube](#)

Join our Discord: <https://discord.gg/VxZCQmNacr>

When?

Bi-weekly at:

- *Tuesdays 17:00 UTC*. Moderators: Matthias Loibl
- *Tuesdays 9:00 UTC*. Moderators: Frederic Branczyk
- <https://everytimezone.com/s/c0ffbf98>

Google Meet Links:

<https://meet.google.com/hen-qyku-oxr>

How to Bring the Topic you are/want to contribute to?

1. Put (*suggest Google Documents mode*) your name on the Agenda with a related topic.

Rules

- [Parca Code of Conduct applies.](#)
- The meeting will happen in the form of a public, **recorded** Google Meet
 - (Note to the moderator: you have to start recording manually).
- Anyone can join as an attendee, and at least one team member has to enter to admit people in.
- Try to timebox discussions to a max of 20 minutes unless there are no other agenda items.
- There are no announcements and marketing, just pure discussions over pending features/bugs / PRs mainly contributed by contributors other than maintainers.
- Please be inclusive and friendly.

- Any opinion is welcome; please speak your mind.
- We cancel the meeting if there aren't any items on the agenda the day before the meeting.

2025-04-22 | 📅 Parca Office Hours

Until further notice, we have no Parca Office Hours.

If you have any questions, please contact us through the Parca Discord.

You can find it on the website: parca.dev

2024-10-08 | 📅 Parca Office Hours

Canceled. There are no updates and no community questions via Discord.

2024-08-13 | 📅 Parca Office Hours

Attendees: Matthias Loibl , Frederic Branczyk

Notes

- Parca [v0.22.0](#)
 - Simple query mode (yomi)
 - Sum-By labels in Metrics Graph:
<https://www.polarsignals.com/blog/posts/2024/08/01/introducing-metrics-aggregation> (yomi)
 - Combine relative and absolute range picker in [#4777](#) (yomi)
 - Relative Comparisons:
<https://www.polarsignals.com/blog/posts/2024/08/06/comparing-profiles-is-even-more-helpful-now> (matthias)
 - Call View Table Panel:

<https://www.polarsignals.com/blog/posts/2024/06/18/caller-callee-view-in-table-panel> (matthias)

- Make symbolizer read-time in [#4564](#) (brancz)
- Invert stack stacks in icicle graph in [#4577](#) (brancz)
- Add OTel profiling support by @brancz in [#4579](#) (brancz)
- Parca Agent [v0.32.0](#)
 - opentelemetry-ebpf-profiler based
 - JVM, .NET, Perl, and PHP support!
 - Allow the Parca server to asynchronously symbolized stacktraces. This means not only interpreted languages have function names, but C, C++, Rust, Go, etc. as well.
 - A more optimized wire-protocol based on Apache Arrow. Less CPU time spent putting together the data to send off to the server and less bytes!
 - A wide array of metadata from Kubernetes, containerd, cgroups, lxc, docker, etc. so you can make profiling adapt to how you organize your data!
 - [Quickstart](#)

2024-07-30 | 📅 Parca Office Hours

Attendees:

Notes

- Parca
 - Relative comparisons
 - Comparisons tab
 - Sum by labels
 - Otel profiling support
 - Improved datetime picker
 - Allow specifying build ID type in upload requests
 - Increase default step size to 10px
 - Arrow-based ingestion protocol
- Parca-Agent
 - Lua support coming
 - Arbitrary label support for Go (and support coming for other languages)

Action items



2024-06-18 5:00 PM UTC

Canceled due to few user-facing features. Hopefully, next time, we have new releases!

2024-06-04 | 📅 Parca Office Hours

Attendees: Frederic Brancyk Manoj Vivek

Notes

- Parca
 - Call view
 - Binary filtering
- Parca Agent
 - Arbitrary profile labels
 - <https://github.com/umanwizard/custom-labels>
 - Musl support
 - Lua support
 - ARM64 Python support

2024-05-21 5:00 PM UTC

Participants:

Agenda:

- Parca
 - Retrieve sources from debuginfod server: [#4602](#)
 - Invert Stacks in icicle graphs [#4577](#)
 - Make symbolizer read-time [#4564](#)
- Parca Agent
 - Optionally add procfs cmdline as label [#2799](#)
 - Fix build ID precedence [#2775](#)
 - Use both .eh_frame and .debug_frame [#2717](#)
 - Python ARM fixes [#2794](#) (more coming)
 - [LUA prototype](#)

2024-04-23 5:00 PM UTC

Participants: Aditi Ahuja, Tommy Reilly, Yomi Eluwande, Matthias Loibl

Agenda:

- Parca
 - Fixed a bug that was causing a reset of the profile selection state on page load <https://github.com/parca-dev/parca/pull/4476> (Yomi)
 - Working on actually filtering icicle graph data by a binary instead of just highlighting it. (Yomi)
 - Comparing profiles with per-second values
 - <https://github.com/parca-dev/parca/pull/4525>
 - In the middle of revamping the symbolizer
- Parca Agent
 - Welcome Brennan aka umanwizard 🎉

- Fixed error handling on event listeners that would result in agent to stop functioning after a while and also would manifest as silently missing samples.
- Fixed some python version upgrades
(<https://github.com/parca-dev/parca-agent/pull/2688>).
- MUSL support and improved arm64 support (particularly for Python) should land soon.
- Preliminary LUA support under development
(<https://github.com/parca-dev/parca-agent/issues/1889#issuecomment-2019047935>)
- Improved Java support in development

2024-04-09 9:00 AM UTC

Participants: Frederic Branczyk , Manoj Vivek

Agenda:

- Parca
 - UI
 - Fixed units in source view
<https://github.com/parca-dev/parca/pull/4326>
 - Migrated from babel to swc to improve the build performance:
<https://github.com/parca-dev/parca/pull/4315>
 - Next: Trim prefixes, Multiple function filters, icicle graph expand state, flat value in icicle graph, sum by label (metrics graph), legend for filtering
 - Backend
 - Fix incorrectly filtering unsymbolized stacks:
<https://github.com/parca-dev/parca/pull/4332>
 - Next: Revamping Symbolizer
- Parca Agent
 - Fix incorrect Go version detection:
<https://github.com/parca-dev/parca-agent/pull/2656>
 - Unwind error per process in debug UI:
<https://github.com/parca-dev/parca-agent/pull/2649>
 - Fix function end detection:
<https://github.com/parca-dev/parca-agent/pull/2636>
 - Ensure only profiling online CPUs:
<https://github.com/parca-dev/parca-agent/pull/2646>
 - ARM64 pointer authentication:
<https://github.com/parca-dev/parca-agent/pull/2604>

2024-03-26 5:00 PM UTC

Participants: Matthias Loibl

Agenda:

- Parca
 - No notable changes due to Offsite and KubeCon
- Parca Agent
 - ?

2024-03-12 9:00 AM UTC

Canceled

2024-02-27 17:00 UTC

Participants: Kemal Akkoyun Matthias Loibl yomi@polarsignals.com
thor.hansen@polarsignals.com

Agenda:

- [Parca v0.21](#)
 - It's almost released. CI is taking its time.
- [Parca Agent v0.29](#)
 - Python v3.12 and v3.13 support using thread-local storage
 - Ruby ARM64 support
 - Mix mode unwinding

2024-02-13 11:00 UTC

Participants: Frederic Branczyk Kemal Akkoyun Manoj Vivek

Agenda:

- Parca
 - Skeleton loaders merged
 - Nested arithmetic expressions in frostdb, now to be used in Parca
 - Samples count profiles will show CPU time instead of samples
 - Relative comparisons of different profiling frequencies will be possible
- Parca Agent
 - Bug fixes (CPU num, ARM-specific DWARF expressions)
 - Working Progress Python extended version support

2024-01-30 17:00 UTC

Participants: Matthias Loibl Frederic Branczyk Thor Hansen Kemal Akkoyun
Yomi Eluwande

Agenda:

- Parca
 - Skeleton UI
 - New DB changes are coming to provide an option to reduce memory usage
 - Relative comparisons WIP
- Parca Agent
 - [Erlang Unwinding fixes](#)
 - [Per code region unwinder switching](#)
 - [Python ARM64 Support](#)
 - [Kerneltests for ARM64](#)
- Parca @FOSDEM
 - <https://fosdem.org/2024/schedule/event/fosdem-2024-2735-profiling-python-with-ebpf-a-new-frontier-in-performance-analysis/>
 - <https://fosdem.org/2024/schedule/event/fosdem-2024-3513-what-s-possible-in-observability-when-we-have-frame-pointers/>
 -

2024-01-16 9:00 UTC

It was canceled due to no updates for 2024 yet.

2024-01-30 17:00 UTC

Participants: Matthias Loibl Frederic Branczyk Thor Hansen Kemal Akkoyun
Yomi Eluwande

Agenda:

- Parca
 - Skeleton UI
 - New DB changes are coming to provide an option to reduce memory usage
 - Relative comparisons WIP
- Parca Agent
 - [Erlang Unwinding fixes](#)
 - [Per code region unwinder switching](#)
 - [Python ARM64 Support](#)
 - [Kerneltests for ARM64](#)
- Parca @FOSDEM
 - <https://fosdem.org/2024/schedule/event/fosdem-2024-2735-profiling-python-with-ebpf-a-new-frontier-in-performance-analysis/>
 - <https://fosdem.org/2024/schedule/event/fosdem-2024-3513-what-s-possible-in-observability-when-we-have-frame-pointers/>
 -

2024-01-16 9:00 UTC

It was canceled due to no updates for 2024 yet.

2024-01-16 17:00 UTC

Participants: Matthias Loibl Thor Hansen Kemal Akkoyun Frederic Branczyk

Agenda:

- Features since [Parca v0.20](#)
 - Copying system name functions
 - Add filtering runtimes
 - Comparing merged profiles is getting close!
- [Parca Agent v0.28.0](#)
 - Enable Python and Ruby Unwinding by default
 - Stability and performance improvements!
 - <https://www.polarsignals.com/blog/posts/2023/10/04/profiling-python-and-ruby-with-ebpf>
 - Metadata improvements!
 - More metadata and performance improvements!
 - JITDump and perf map performance improvements

2023-11-21 9:00 AM UTC

Participants: Sumera Priyadarsini Manoj Vivek Matthias Loibl

Agenda:

- [Parca v0.20](#)
 - All interactions that previously required holding shift and interacting, are now replaced with right-clicks.
 - Icicle graphs can now be grouped by binary, filename, and address in addition to previously only function names and labels.
 - Display function inlining information in the UI.
- [pprof.me](#) new features:
 - user history of shared profiles
 - previews with rendered flamegraph as OpenGraph preview image
- Parca Agent
 - [Parca Agent v0.27](#)
 - NodeJS investigation
 - <https://github.com/parca-dev/parca-agent/pull/2240>
 - Metadata improvements
 - <https://github.com/parca-dev/parca-agent/pull/2254>
 - <https://github.com/parca-dev/parca-agent/pull/2253>
 - <https://github.com/parca-dev/parca-agent/pull/2233>
 - <https://github.com/parca-dev/parca-agent/pull/2218>

- Minor Improvements
 - <https://github.com/parca-dev/parca-agent/pull/2232>
- Packages upgrades
 - <https://github.com/parca-dev/parca-agent/pull/2250>
 - <https://github.com/parca-dev/parca-agent/pull/2249>
 - <https://github.com/prometheus/prometheus/pull/13150>
 - <https://github.com/parca-dev/parca-agent/pull/2236>
- **Memory savings in the BPF maps**
 - unwinder/native: Unify native stacks by [@javierhonduco](#) in [#2199](#)
 - unwinder/interpreters: Unify interpreter stacks by [@javierhonduco](#) in [#2214](#)

2023-11-07 5:00 PM UTC

Participants: Matthias Loibl, Monica Wojciechowski, Maxime, Kemal Akkoyun

Agenda:

- [Parca v0.20](#)
 - All interactions that previously required holding shift and interacting, are now replaced with right-clicks.
 - Icicle graphs can now be grouped by binary, filename, and address in addition to previously only function names and labels.
 - Display function inlining information in the UI.
- [pprof.me](#) new features:
 - user history of shared profiles
 - previews with rendered flamegraph as OpenGraph preview image
- Parca Agent
 - Interpreter detection improvements and optimizations
 - <https://github.com/parca-dev/parca-agent/pull/2196>
 - <https://github.com/parca-dev/parca-agent/pull/2194>
 - DWARF information extraction fixes
 - <https://github.com/parca-dev/parca-agent/pull/2148>
 - <https://github.com/parca-dev/parca-agent/pull/2144>
 - Soon:
 - <https://github.com/parca-dev/parca-agent/pull/2199>
 - ARM64 fixes for Linux 5.4

2023-10-24 9:00 AM UTC

Canceled due to lack of participation.

2023-09-26 9:00 AM UTC

Participants: Javier Honduvilla Coto Frederic Branczyk Manoj Vivek
Sumera Priyadarsini tungdamx@gmail.com

Agenda:

- Parca
 - v0.19.0 release
 - Redesign
 - Arrow APIs
 - Filter/group by profile labels
 - Go PGO support
- Parca Agent
 - Python Support
 - ARM64 Updates
 - Ruby Support

2023-09-12 5:00 PM UTC

Participants: javier.honduvilla.coto@polarsignals.com kemal.akkoyun@polarsignals.com
yomi@polarsignals.com

Agenda:

- Parca
 - **Backend:**
 - All Query APIs are by default now Arrow-based (flamegraph, source, table)
 - Major flame-graph rendering performance improvements
 - **Frontend:**
 - UI Redesign landed
 - Legend redesign
 - Docked Tooltip
- Parca Agent
 - Python Support: <https://github.com/parca-dev/parca-agent/pull/1984>
 - ARM64 Updates
 - Ruby Support: <https://github.com/parca-dev/parca-agent/pull/1933>
 - Namespace Access checks
- <https://www.polarsignals.com/blog/posts/2023/08/31/view-profiling-data-within-code/>

2023-08-29 9:00 AM UTC

Participants: Frederic Branczyk Alfonso Subiotto Sumera Priyadarsini Manoj Vivek

Agenda:

- Parca
 - Manoj: UI redesign
 - Everything Arrow
- Parca Agent
 - Ruby and Python Support
 - Arm64 Support
 - Language support adjacent PRs to make testing easier
- *Add your agenda item below*

2023-08-15 17:00 UTC

Participants: frederic.branczyk@polarsignals.com kemal.akkoyun@polarsignals.com
javier.honduvilla.coto@polarsignals.com Albert Lockett max@brnt.mx

Agenda:

- Parca
 - Remote normalization
 - Arrow flamegraph
 - Start of sources feature
 -
- Parca Agent
 - Ruby and Python support
 - 0.23.3 release
 - 6.4+ kernel support
 - Better JFR=>pprof conversion
- *Add your agenda item below*
- Albert:
 - How to obtain data for PGO?
 - Ideally from prod
 - Canary (eg. roll out 5%, recompile continue)
 - Where is the e2e test?
 - Frederic:
https://github.com/parca-dev/parca/blob/1cc1fa4b0635c97c4edf8375e99bb52a874bea88/pkg/parca/parca_test.go#L294

2023-08-01 9:00 UTC

- Parca
 - Working hard on v0.19.0
 - E2e tests
 - All about profile labels:
 - Filter by profile labels
 - Group by profile labels
 - Show profile labels

- Parca Agent
 - Profile labels for thread name and thread ID (released in v0.23.0)
 - Typically used in rust/C++ for pools of threads doing work
 - Better nodejs support (released in v0.22.0)
 - V8 has some custom assembly code specifically between the boundary of JIT->native code, which means there is no unwind information
 - Full blog post: <https://www.polarsignals.com/blog/posts/2023/07/12/correctly-profiling-node-js-with-zero-instrumentation/>
 - Frame-pointer unwinding in arm64 landed
 - Loooooots of perf improvements and bug fixes
 - Metrics added for JIT unwinding to monitor mixed stacks better
 - Work-in-progress: arm64 dwarf unwinding; python and ruby support
 - Experimenting with Lua as well

2023-07-18 17:00 UTC

Canceled

2023-07-03 09:00 UTC

Participants:

Matthias Loibl , Frederic Branczyk

Agenda:

- Parca Agent:
 - v0.20 released with lots of fixes!
 - v0.21 about to be released

2023-06-19 17:00 UTC

Participants:

max@brnt.mx , Yomi Eluwande , Matthias Loibl , Frederic Branczyk

Agenda:

- Parca Agent:
 - About to release v0.20 with lots of fixes!
- Parca:
 - v0.18 released
 - Parca will now automatically use the system settings for light or dark themes.

- gRPC Prometheus histograms are now exposed as native histograms giving them a much higher fidelity.
 - If running with a custom path prefix, all API endpoints will now be served under this prefix.
- Parca UI
 - Parca will now automatically use the system settings for light or dark themes as per feedback from last office hour meeting.
 - Lots of bug fixes!
 - New design in the works.

2023-05-15 17:00 UTC

PLEASE ADD YOUR AGENDA ITEMS or QUESTIONS YOU WOULD LIKE TO DISCUSS!

Participants:

Matthias Loibl , Sumera Priyadarsini , Yomi Eluwande , Frederic Branczyk ,
max@brnt.mx , Anurag Kumar, Balajinaidu V, Javier Honduvilla Coto

Agenda:

- Parca:
 - Matthias Loibl : Filtering for both flame graph and metrics
 - Yomi Eluwande : New dark-light-mode switch!
- Parca Agent:
 - Javier Honduvilla Coto :
 - Progress on JIT unwinding
 - Java report
 - Work on performance and reliability improvements
- max@brnt.mx : Continuous deployment of development releases to Demo environment

2023-04-17 17:00 UTC

PLEASE ADD YOUR AGENDA ITEMS or QUESTIONS YOU WOULD LIKE TO DISCUSS!

Participants:

kemal.akkoyun@polarsignals.com , Maxime, frederic.branczyk@polarsignals.com

Agenda:

- [brancz] Parca v0.17.0 Released
 - <https://github.com/parca-dev/parca/releases/tag/v0.17.0>
- [kakkoyun] Parca Agent v0.16.0, v0.17.0, v0.17.1, and v0.17.2 released

- <https://github.com/parca-dev/parca-agent/releases/tag/v0.16.0>
- <https://github.com/parca-dev/parca-agent/releases/tag/v0.17.0>
- <https://github.com/parca-dev/parca-agent/releases/tag/v0.17.1>
- <https://github.com/parca-dev/parca-agent/releases/tag/v0.17.2>
-  [Parca-RFC-014] Address Normalization

2023-04-03 10:00 UTC

Participants

Monica Wojciechowski , Sumera Priyadarsini , Matthias Loibl , Frederic Branczyk ,
Manoj Vivek , Yomi Eluwande

Agenda:

- Parca
 - Duration is shown in the metrics graph
 - Icicle graphs trim nodes that are sub-pixel width
 - Icicle graphs tooltips show the absolute percentages and filtered percentages when filtering and hovering a node
- Parca Agent
 - Two new releases
 - Fixing bugs mostly
 - Better discoverability of short-lived processes

2023-03-20 17:00 UTC

Participants

Vaishali Thakkar , Matthias Loibl , Frederic Branczyk , Thor Hansen , Maxime,
Manoj Vivek

Agenda:

- Parca
 - Show step duration in metrics graph tooltip - [#2785](#)
- Parca Agent
 - v0.14.0 release
 - New java process discovery feature
 - Improved systemd discoverer
 - Bunch of enhancements in stack unwinding
 -

2023-03-06 17:00 UTC

Participants

Matthias Loibl , Kemal Akkoyun , Sumera Priyadarsini , Manoj Vivek ,
Frederic Branczyk ,

Agenda:

- Parca
 - v0.16.0 and v0.16.1 releases
- Parca Agent
 - v0.13.0 release
 - Features:
 - Unwinding for applications without frame pointers enable by default ([#1375](#))
 - Support reading symbols from jitdump ([#1051](#))
 - Bug fixes:
 - Fix association problems of children processes in ([#1348](#))
- Parca.dev Improvements

2023-02-20 17:00 UTC

Participants

Thor Hansen , Matthias Loibl , Yomi Eluwande , Javier Honduvilla Coto ,

Agenda:Parca Agent:

- Javier Honduvilla Coto :
 - Improvements for the native frame pointer unwinder
 - Metadata collection status
 - DWARF-based unwinder status
 - Java progress
- Parca:
 - Thor Hansen - Experimental Arrow ingestion support in FrostDB
 - Matthias Loibl - step feature merged - here's what it means for your workflow
 - Yomi Eluwande - Updates on Parca UI; Hiding the mappingPrefix when there is only one mapping, Design system and what it means for @parca components.
- Q&A
 - Having an open source debuginfod object storage baked project?
 -

2023-02-09 17:00 UTC

Participants

Thor Hansen

NOTE: Due to attendance this weeks agenda will be rolled over into the next office hours.

Agenda:

- Meeting moves to Mondays 17:00 UTC starting Feb 20th
 - Occasionally to Mondays 9:00 UTC
- Experimental Arrow ingestion support in FrostDB - Thor Hansen
-

2023-01-26 17:00 UTC

Participants

Matthias Loibl ,Julien Fabre

Agenda:

- Parca Agent:
 - [v0.12.0](#) released!
 - Profiling at 19hz by default now.
 - More performance improvements
 - Making good progress to ship DWARF unwinding by default
- Parca
 - Arrow ingestion close to merge behind feature flag

2023-01-12 17:00 UTC

Participants

Thor Hansen , Frederic Branczyk , Matthias Loibl , Maxime Brunet, Jimmy Zelinskie, Sumera Priyadarsini , Julien Fabre, Alfonso Subiotto

Agenda:

- Parca Agent:
 - Javier: Testing eBPF code on multiple kernels
 - Frederic/Marsel: Configurable profiling frequency in agent [#1213](#)
- Parca:
 - Alfonso: Parca FrostDB schema changes for performance [#2391](#)
 - Thor: Arrow Ingestion for Parca
 - UI changes:
 - New color palettes
 - Drag & Drop the new visualization panels
 - Showing the changelog when clicking on the version

2022-12-15 17:00 UTC

Participants:

Thor Hansen , Frederic Branczyk , Matthias Loibl

Agenda:

- Parca Agent:
 - Working on BTF support
 - Preparation for Java support have started
 - DWARF unwinding has significantly improved
- Parca:
 - v0.15.0 release next week - one more improvement with symbolization we want to get in!
 - FilterByFunction is the default search now - enable automatic highlighting if you want
 - New Grafana plugin that using more efficient flamegraph_table responses
 - Allow for uploads to be done via signed uploads

2022-12-01 17:00 UTC

Participants:

Sumera Priyadarsini , Frederic Branczyk , Julien Fabre, Maxime B, Matthias Loibl

Agenda:

- Parca Agent:
- - v0.10.0 recap
 - <https://www.polarsignals.com/blog/posts/2022/11/23/profiling-without-frame-pointers/>
 - <https://www.polarsignals.com/blog/posts/2022/11/29/profiling-without-frame-pointers/>

- v0.10.1 release
- Parca:
 - Ingestion improvements
 - UI: Matcher UI improvements
- Grafana 9.3.0 with Parca datasource released
 - <https://www.polarsignals.com/blog/posts/2022/11/02/grafana-parca-core-plugin/>

2022-11-17 17:00 UTC

Participants:

missing

Agenda:

- Parca v0.14.0 released
 - Massively improved API response size and latency, allowing to merge of ever more data at low latency.
 - Improved autocomplete based on an Earley parser built using nearley.js.
 - Various improvements to the callgraph visualization (still behind a feature flag but it's progressing nicely and we hope to release it without a feature flag soon).
- Parca Agent v0.10.0-rc0 is out
 - TBD

2022-11-03 17:00 UTC

Participants:

@kakkoyun, @javierhonduco, Vaishali Thakkar, @brancz, @thourfour, @maxbrunet, @monicawoj, Sumer Cip

Agenda:

- [kakkoyun] Parca as Grafana Core plug-in
<https://www.polarsignals.com/blog/posts/2022/11/02/grafana-parca-core-plugin>
- [javierhonduco] Agent: DWARF-based native unwinding updates
 - v1: <https://github.com/parca-dev/parca-agent/pull/948>
 - v2: <https://github.com/parca-dev/parca-agent/pull/978>
- [brancz] UI: The new flame graph with the deduplicated metadata
<https://github.com/parca-dev/parca/pull/1976>
- [monicawoj] UI: Updates on call graphs
<https://github.com/parca-dev/parca/pull/1688>

2022-10-20 17:00 UTC

Participants:

Matthias Loibl Thor Hansen Monica Wojciechowski Frederic Branczyk ,Julien Fabre, Ujjwal Goyal, Maxime Brunet

Agenda:

- [Parca v0.13.0 has been released!](#)
- Manoj Vivek : Grafana Plugin
- Matthias Loibl : Parca Agents shown on the Parca targets page
- Monica Wojciechowski : Callgraph visualization improvements
- Thor Hansen : Performance improvements in Parca

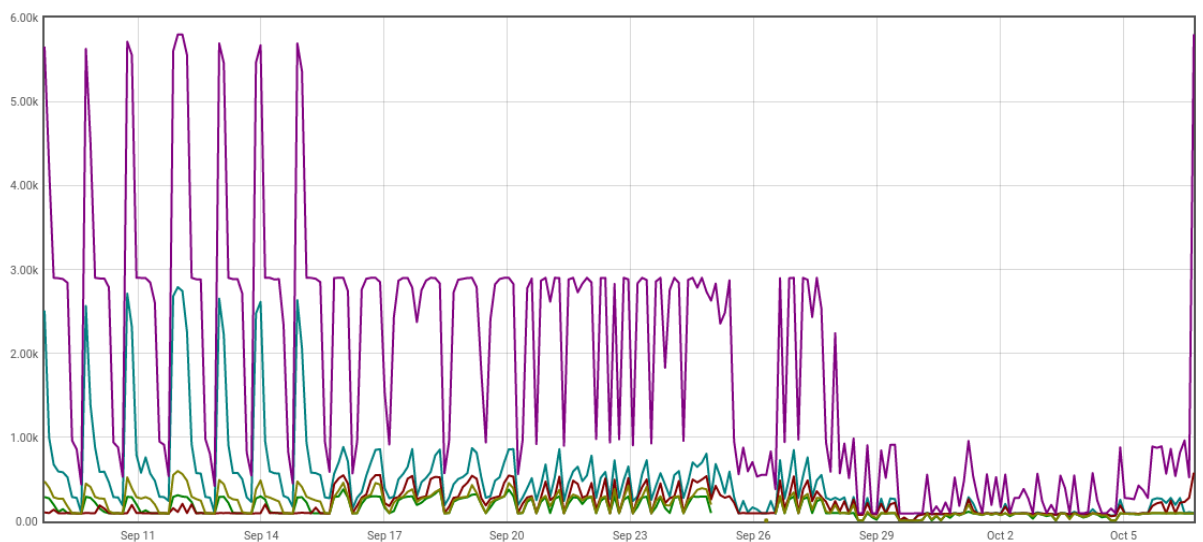
2022-10-06 17:00 UTC

Participants:

@kakkoyun, @metalmatze, @brancz, @asubiotto, @v-thakkar, @maxbrunet, @sylfrena, @pryz

Agenda:

- [metalmatze,asubiotto] Server: Amazing Parca and FrostDB Query Performance Improvements!



- [v-thakkar] Agent: Update from eh_frame-based Stack Unwinding
 - <https://github.com/parca-dev/parca-agent/pull/869>
 - <https://github.com/parca-dev/parca-agent/pull/867>

2022-09-08 17:00 UTC

Participants:

@kakkoyun, @metalmatze, @thourfour, @importhuman, @maxbrunet

Agenda:

- [metalmatze] Concurrent Query Plan Execution
 - <https://github.com/polarsignals/frostdb/pull/90>
 - <https://github.com/polarsignals/frostdb/pull/187>
- [thorfour] Parca Memory Bloat Reduction
 - <https://github.com/parca-dev/parca/issues/301>
 - <https://github.com/polarsignals/frostdb/pull/189>

2022-08-25 17:00 UTC

Participants:

@maxbrunet, @brancz, @sylfrena, @pryz, @maxbrunet, @javierhonduco

Agenda:

- [javierhonduco] Demo of Parca Agent's new system-wide profiling.
- [brancz] Callgraph visualization

2022-08-11 17:00 UTC

Participants:

@brancz, @importhuman, @sylfrena, @maxbrunet, @metalmatze, @pryz, @thorfour, @aminggs

Agenda:

- Thor has a PR up that will make Parca store the profiles to object storage on shutdown.
 - It still scans all blocks on disk even though the requested data might only be in-memory. There be dragons!
-

2022-07-28 17:00 UTC

Participants:

@brancz, @kakkoyun, @importhuman, @sylfrena, @jzelinskie, @Pryz

Agenda:

- [kakkoyun] New releases!
 - <https://github.com/parca-dev/parca/releases/tag/v0.12.0>
 - <https://github.com/parca-dev/parca-agent/releases/tag/v0.9.0>
- [brancz] FrostDB storage compression improvements!
 - <https://github.com/polarsignals/frostdb/pull/136>
 - <https://github.com/parca-dev/parca/issues/1309#issuecomment-1193664133>
Note 24MB row size (and 18650221 ~18.6mb real file size).
A 12.8x improvement, meaning 12.8x lower memory usage and 12.8x less disk space used when persisting Parca data.

2022-07-14 17:00 UTC

Participants:

@kakkoyun, @brancz, @importhuman, @albertlockett, @metalmatze, @sylfrena, @javierhonduco

Agenda:

- Parca and Parca Agent release candidates
 - Parca: <https://github.com/parca-dev/parca/releases/tag/v0.12.0-rc.0>
16 unique contributors
 - Agent: <https://github.com/parca-dev/parca-agent/releases/tag/v0.9.0-rc.0>
- [metalmatze] Sharing feature of Parca and its API
<https://github.com/parca-dev/parca/pull/1313>
 - Shout out to manojVivek!
- FrostDB updates
 - New features!

2022-06-30 17:00 UTC

Participants:

@kakkoyun, @brancz, @maxbrunet, @importhuman

Agenda:

- [kakkoyun] Upcoming Agent release
<https://github.com/parca-dev/parca-agent/milestone/2>

- Cross-build and CI problems
 - BPF map concurrency issues
- [brancz]: New Parca Release
 - We're doing the final tests

2022-06-16 17:00 UTC

Participants:

@kakkoyun, @simonswine, @importhuman, @brancz, @metalmatze, @albertlockett, @maxbrunet

Agenda:

- [brancz]Renaming arcticDB to FrostDB
 - <https://www.polarsignals.com/blog/posts/2022/06/16/arcticdb-is-now-frostdb/>
- [metalmatze] Parca updates
 - Search UI
 - [kakkoyun] Fix race conditions with uploads of the same debug info
 - [kakkoyun] Debuginfo metadata
 - Better errors on **empty** database reads
 - Lots of fixes for AVX-less, AVX2-less CPUs
 - ARM64 builds
 - Smoother graph resizing
 - Faster container builds
- [kakkoyun] Parca agent updates
- Questions and discussions
 - Getting started with Parca
 - Use Kubernetes example or write your own :)
 - [Query parallelization](#)
 - How can Parca make iterators concurrently safe at the usage level?

2022-06-02 17:00 UTC

Participants:

@brancz, @kakkoyun, @metalmatze, @yomete, @importhuman, @daemon1024, @albertlockett, @mkuraczk

Agenda:

- [?] Persistency for ArcticDB
 - With object storage and one of the backends is a file system
 - Super experimental!
 - We've seen it read and write, but that's it

- No optimizations
 - No support in Parca yet - need to update arcticDB and add an experimental flag
- [kakkoyun] New Parca Agent Release v0.8.1
 - <https://github.com/parca-dev/parca-agent/releases>
- [kakkoyun] Agent uses Rust for eBPF programs!
 - <https://github.com/parca-dev/parca-agent/pull/377>
 - eBPF Day Talk from KubeCon EU 2022: <https://youtu.be/oWHQrIE2-G8>
- [mkuraczyk] Discussion around Erlang support
 - which is working but can still be improved
- [albertlockett] arcticDB roadmap going forward
-

2022-05-05 17:00 UTC

Participants:

@brancz, @metalmatze, @importhuman, Sumer Cip

Agenda:

- [brancz] [Introducing ArticDB](#)
- [metalmatze/brancz] [Official Governance Document](#)
- ...

2022-04-21 17:00 UTC

Participants:

@brancz, @kakkoyun, Albert Lockett (@albertlockett), @importhuman

Agenda:

- <https://github.com/polarsignals/arcticdb>

2022-04-07 17:00 UTC

Participants:

@brancz, @kakkoyun, @importhuman, Jimmy Zelinskie, James Michels

Agenda:

- Columnar Storage landed in Parca!
- Using Parca - code requirements for kubernetes; monitoring APIs with different rates of use.

- [GitHub - jvm-profiling-tools/perf-map-agent: A java agent to generate method mappings to use with the linux `perf` tool](#)
- Cost of profiling on production <https://research.google/pubs/pub36575/>

2022-03-24 17:00 UTC

Participants:

@brancz, @kakkoyun, @sylfrena, @yomete, @importhuman, @metalmatze, @monicawoj

Agenda:

- Yomi: Label-value completion
- Frederic: Columnstore update
 - <https://github.com/parca-dev/parca/tree/col2>
 - <https://github.com/segmentio/parquet-go>
- Kemal: Symbolizing dynamic libraries

2022-03-10 17:00 UTC

Participants:

Matthias Loibl , Frederic Branczyk , Michael Hausenblas, Ujjwal Goyal, Anurag Kumar, Avinash Upadhyaya, Sumera Priyadarsini

Agenda:

- Matthias Loibl : New Parca scraper-only mode to scrape pprof endpoints and forward via gRPC
- Frederic Branczyk : Columnstore update and demo
- Position Independent Executables
- Ujjwal Goyal:
 - Community calendar shows incorrect time
 - Communication: slack or github issues?

2022-02-24 17:00 UTC

Participants:

@kakkoyun, @brancz, @monicawoj, @yomete, @Sylfrena

Agenda:

- [monicawoj/yomete]: New Parca Release
<https://github.com/parca-dev/parca/releases/tag/v0.8.0>
 - Lots of nice UI improvements!

- [brancz] Update on progress on column store
-

2022-02-08 17:00 UTC

Participants:

@metalmatze, @avestuk, @mhausenblas, @Sylfrena, @brancz

Agenda:

- @kakkoyun:
 - Should we change the Office Hour day?
 - It clashes with TAG Observability
 - Please vote: <https://twitter.com/ParcaDev/status/1491084701179658244>
- @brancz: Update on the columnar storage
- @metalmatze for @monicawoj:
 - PR for adding a Targets page to Parca: <https://github.com/parca-dev/parca/pull/598>
- FOSDEM talk happened on Sun: https://fosdem.org/2022/schedule/event/cloud_native_profiling/
- Q&A:
 - What's the future of Parca storage?
 - What about downsampling profiles for older data?

2022-01-25 17:00 UTC

Participants:

@thorfour, @Sylfrena, @yomete, @mhausenblas, @kakkoyun, @metalmatze, @DotunJolaoso,

Agenda:

- @thorfour: Updates about the columnar store progress
 - Making progress, instructions to run the new storage to be posted on Discord.
- @mhausenblas: Specify the personas the documentation is directed towards
 - Different use cases of people coming to our documentation
 - Either completely separate the content based on personas
 - Or somehow tag which page is relevant for whom
 - Create an issue with the rough idea on how we can create tags
- @manojVivek & @yomete: Update about exporting UI packages to npm with Lerna
 - After writing an RFC we came to the conclusion that Lerna integrates best with yarn workspaces
 - Automatically updates semver to publish packages to npm
- @mhausenblas: Can we explicitly state the current release cycle of Parca, if there is one?

- We should make it explicit on parca.dev that we don't have a fixed release cadence and so far have been creating releases more than monthly.

2022-01-11 17:00 UTC

Participants:

@kakkoyun, @metalmatze, @brancz, @yeya24, @Sylfrena, @manojVivek, @mhausenblas, @derekparker,

Agenda:

- Kemal: New Parca releases
 - [Parca v0.7.0](#)
 - Delete all the code regarding profile trees
 - [Parca Agent v0.4.0](#)
 - Support cgroupv2
- Frederic: Exploration of new columnar storage layout
 - [RFC](#)
- [Topic Request] A high-level walkthrough of CI/build tooling setup of Parca
 - Protobuf generated codes
 - [How we build our gRPC APIs at Polar Signals using buf](#)
 - <https://buf.build/> | <https://github.com/bufbuild/buf>
 - <https://buf.build/parca-dev/parca>
 - <https://github.com/parca-dev/parca/blob/main/buf.work.yaml>
 - <https://github.com/parca-dev/parca/blob/main/buf.gen.yaml>
 - <https://github.com/parca-dev/parca/blob/main/buf.gen.yaml#L16-L24>
 - Github Actions
 - <https://github.com/parca-dev/parca/blob/6b36de962cd772a92e72ccfbcbb6eae8324f7835/Makefile#L64-L69>

2021-12-28 17:00 UTC

Cancelled due to holidays. See you Jan 11th 2022!

2021-12-14 17:00 UTC

Participants:

@kakkoyun, @metalmatze, Aditi Ahuja, @brancz, @derekparker, @onprem, @Sylfrena

Come join our Discord: <https://discord.gg/VxZCQmNacr>

Agenda:

- Introductions
- [Frederic] The new [badger](#) based KV metadata store
- [Kemal] State of Stack Unwinding

2021-11-16 17:00 UTC

Participants:

@kakkoyun, @metalmatze, @kurious-diru, @brancz, @yeya24, @Sylfrena, Harsh Thakur, Palash Nigam, darshanime

Come join our Discord: <https://discord.gg/VxZCQmNacr>

Agenda:

- Introductions
 - [kurious-diru] Just wanna say Hi and see how the first office hours goes
- History of Parca by @brancz
-
- [metalmatze] Deploy a Civo cluster with Parca running on it
 - [demo.parca.dev](#) is similar
 - <https://www.parca.dev/docs/kubernetes#kubernetes-label-selector-for-specific-apps>
- [brancz] Kernel JIT interface, Parca Agent and containers (<https://github.com/parca-dev/parca-agent/issues/129>)
 - Demo with NodeJs App
 - JIT programs need to be symbolized on the host - as remote can never know exactly what's going on
 - Discover perf maps for containers by reading /proc/\$PID/status
- Twitch Streams on Parca development again on twitch.tv/metalmatze
-