

OpenTelemetry Go Auto-Instrumentation SIG

See details about this call: <https://github.com/open-telemetry/community>

THESE MEETINGS ARE RECORDED AND POSTED TO [ZOOM CLOUD](#)

- Repositories:
 - [OpenTelemetry Go Instrumentation](#)
- Slack: [#otel-go-instrumentation](#)
- [OpenTelemetry Calendar](#)
- Zoom Meeting:
<https://zoom.us/j/91802290946?pwd=ODI6YmNCTWtTNzUzTGIFcjRtWmhqdz09>

Meeting Notes

Next:

Oct 28, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Ron Federman (Odigos)

Agenda:

- [Tyler] Unifying offset generation with OBI
- Ended early

Oct 14, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Greevski (Grafana)~~ Company Offsite
- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
-

Agenda:

- No agenda

Oct 7, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana)~~ I'm at SRECon all of this week
- ~~Ron Federman (Odigos)~~ Holiday

Sep 30, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
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Agenda:

- [Tyler] Do we want to reduce the meeting frequency?
 - Reduce to every-other-week
 - Overlap with OBI
 - Check with others in slack channel

Sep 23, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Rafael Roquette (Grafana)
- Nikola Grcevski (Grafana)

Notes

- [mike] Auto SDK docs – possibly here? <https://opentelemetry.io/docs/zero-code/go/>
 - draft, can open a PR:
https://docs.google.com/document/d/12ixXHDkq_aZFd_i8JIMk4pgdnROJOaF5j5InevDQzEk/edit?usp=sharing

Action items

- ☐ Mike: submit a PR to opentelemetry.io for docs update

Sep 16, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)

- Mike Dame (Odigos)
- Ron Federman (Odigos)
- Rafael Roquette (Grafana)

Agenda:

- [Tyler] [Open PRs](#)
- [Mike] Please join llm-d sig observability (see notes from 9/2)
 - sig-observability info: <https://github.com/llm-d/llm-d/blob/dev/SIGS.md#sig-observability>
 - distributed tracing proposal <https://github.com/llm-d/llm-d/pull/119>

Sep 9, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Rafael Roquette (Grafana)
- Ron Federman (Odigos)

Agenda:

- [Tyler] [Open PRs](#)
- [Tyler] [Milestone v0.23.0](#)
- [Tyler] AI:
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/2775>
 - Release v0.23.0

Sep 2, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Tyler Yahn~~ (No able to attend)
- Mike Dame (Odigos)
- Rafael Roquette (Grafana)
- Ron Federman (Odigos)

Agenda:

- [mike] llm-d observability <https://github.com/llm-d/llm-d>
 - sig-observability info: <https://github.com/llm-d/llm-d/blob/dev/SIGS.md#sig-observability>
 - distributed tracing proposal <https://github.com/llm-d/llm-d/pull/119>
- Open PRs <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pulls>

Aug 26, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Rafael Roquette (Grafana)

Agenda:

- [Tyler/Rafael] [Introduce clang-format](#)
- [Tyler] [Open PRs](#)
- [Tyler] [Milestone v0.23.0](#)

Aug 19, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Rafael Roquette (Grafana)
- Ron Federman (Odigos)

Agenda:

- [Tyler/Rafael] [Introduce clang-format](#)
- [Tyler] [Milestone v0.23.0](#)

Aug 12, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Rafael Roquette (Grafana)
- Nikola Grcevski (Grafana)
- Ron Federman (Odigos)

Agenda:

- [Tyler] [Milestone v0.23.0](#)

Aug 5, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Odigos)
- Ron Federman (Odigos)
- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)

Agenda:

- [Tyler] [Milestone v0.23.0](#)

Jul 29, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Odigos)
- Tyler Yahn (Splunk)
- Rafael Roquette (Grafana)
- Barun Acharya (Odigos)
- Ron Federman (Odigos)

Agenda:

- [Tyler] [Include generated object files in commit history and published packages](#)
-

Jul 22, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Rafael Roquette (Grafana)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Mike Dame (Odigos)

Agenda:

-
- [Tyler] [Open PRs](#)
- [Tyler] [2025 Goals](#) check-in

Jul 15, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Mike Dame (Odigos)
- Rafael Roquette (Grafana)
- Nikola Grcevski (Grafana)

Agenda:

- [Nikola, Tyler] [OBI Integration \(Phase 1\): unify eBPF programs](#)
- [Tyler] [2025 Goals](#) check-in

Jul 8, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Rafael Roquette (Grafana)
- Nikola Grcevski (Grafana)
- Ron Federman (Odigos)

Agenda:

- [Nikola] Discuss project [plan](#) to bring multi-process functionality so we can vendor directly from OBI
 - Offsets table per executable
 - Adding process information to events
 - Sharing maps using file descriptor rewrite for avoiding BPF file system SYS_ADMIN requirements
 - Discussion:
 - Start with one probe:
 - Database
 - First step: vendor the C
 - Build in the OBI user-space
 - Reuse the probes
 - Prior art: Beyla vendoring OBI
 - Go auto will be a sub-module for OBI
 - AI (Nikola): capture this in an issue
- [Nikola] Discuss how we fully reuse the Manager/Probe, can we extend support for different eBPF probes and [where this should live](#).
- [Tyler] [Open PRs](#)

Jul 1, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana)~~ (Holiday in Canada)
- ~~Rafael Roquette (Grafana)~~ (Holiday in Canada)
- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Ron Federman (Odigos)

Agenda:

- [Tyler] [v0.22.1 milestone](#) check-in
 - Plan to get a release out this afternoon
- Shifting probe management to manager
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/2029>
 - AI: work on a "steel thread" poc showing a probe imported in OBI
 - Odigos uses NewInstrumentation machinery already

- [Ron] should we return some docker/k8s minimal test (because of the arm64 bug)?

Jun 24, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Rafael Roquette (Grafana)
- Mike Dame (Odigos)
- Tyler Yahn (Splunk)

Agenda:

- [Tyler] [v0.22.1 milestone](#) check-in

Jun 17, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Rafael Roquette (Grafana)
- Tyler Yahn (Splunk)
- Mike Dame (Odigos)

Agenda:

- [Tyler] [Open PRs](#)
- [Tyler] [v0.23.0 milestone](#) check-in
- [Rafael] The way Microsoft Retina deals with binaries
- [Rafael] C formatting
 - We should investigate what the C/C++ OTel SIG is doing.

Jun 10, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Mike Dame (odigos)

Notes

- <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/2316> – waiting on response from community member who proposed fix

Action items



Jun 3, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Ron Federman (Odigos)
- Mike Dame (Odigos)
- Rafael Roquette (Grafana)

Agenda:

- [Ron] Open PRs

May 27, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Rafael Roquette (Grafana)

Agenda:

- [Tyler] Looking into compatibility of probes with the eBPF instrumentation
- [Ron] Using the new release, distro version is removed when a handler is provided.

May 20, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Mike Dame (Odigos - late)
- David Ashpole (Google - late)

Agenda:

- [Tyler] Prepare for [next release](#)
-

May 13, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Rafael Roquette (Grafana Labs)
- Tyler Yahn (Splunk)

- Ron Federman (Odigos)

Agenda:

- [Tyler] [Make spans tested for Kafka integration test deterministic](#)
- [Tyler] [Add markdown linting to the project](#)
-

May 6, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Rafael Roquette (Grafana Labs)
- Mike Dame (Odigos)
- Ron Federman (Odigos)

Agenda:

- [Tyler] [Add getlog package for leveled logs in end-to-end tests](#)
- [Tyler] Standardization of C formatting/linting (i.e. similar to [this](#))
 - Clang version update?
 - Header files missing definitions (not complete)
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/2288>
- [Tyler] Links checks only fail now (e.g. [^1](#)).
- [Tyler] [shift process management from Probe to Manager](#)
- [Rafael] binary object storage (lack of) update

Apr 29, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Odigos)
- Rafael Roquette (Grafana Labs)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Nikola Grcevski (Grafana Labs)

Agenda:

- [Tyler] [More frequent releases and/or snapshot releases](#)
- [Tyler] [Open PRs:](#)
 - [fix: add cross-platform perf reader implementation and fix type mismatch](#)
 - [Remove leftover verify.bats from autosdk](#)
 - [Remove bats installs and utilities](#)
 - [Remove TestIntegration from e2e](#)
 - [shift process management from Probe to Manager](#)

- [Tyler] [2025 Goals](#) check-in
- [Nikola] Submitting talks for [OpenObservabilityCon 2025](#)

Apr 22, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana Labs) [I have an appointment I'll try to make it, but I might be late]
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)

Agenda:

- [Tyler] [Replace BATS with Go testing #2178](#)
- [Tyler] [Instrument the OTel trace API's auto SDK](#)
- [Tyler] [Beyla integration](#) check-in
 - <https://github.com/open-telemetry/opentelemetry-ebpf-instrumentation>
 - What do we need to accomplish before we can be imported by that project?
 - Custom probes
 -

Apr 15, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Rafael Roquette (Grafana Labs)
- Evan Torrie
- Nikola Grcevski (Grafana Labs)
- Ron Federman (Odigos)

Agenda:

- [Tyler] [Goal review](#):
 - [Tyler/Ron] Custom handler API
 - [Support multiple process handling in otelsdk](#)
 - [Add a pipeline.Handler based on the OTel collector](#)
 - [Tyler/Mike] [Binary object file tracking](#) check-in
 - [Nikola/Tyler] [Beyla integration](#) check-in
 - [REQUEST: new repository creation: opentelemetry-ebpf-instrumentation](#)
 - [Nikola/Mike] [bpf_probe_write_user alternatives](#) check-in
 - [fix: fallback to no context propagation in kafka-go instrumentation if bpf_probe_write_user is not enabled](#)

- [Tyler/Ron/Mike] [Custom probe API](#) check-in
 - [PR](#)
- [Tyler] e2e testing updates:
 - [Replace BATS with Go testing for autosdk integration test](#)
- [Tyler] [Open PRs](#):
 - [fix: add cross-platform perf reader implementation and fix type mismatch](#)
 - [Instrument the OTEL trace API's auto SDK](#)
 - [Replace net/http Request.pat.str with Request.Pattern](#)

Apr 8, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola~~ Greevski (Grafana) (doctors' appointment)
- Rafael Roquette (Grafana)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Pranav Sharma (Google)
- Mike Dame (Odigos)

Agenda:

- [Tyler] KubeCon EU learnings:
 - Distributed context propagation questions
- [Tyler] [Goal review](#):
 - [Tyler/Ron] [Custom handler API](#)
 - [Tyler/Mike] [Binary object file tracking](#) check-in
 - [Nikola/Tyler] [Beyla integration](#) check-in
 - [Nikola/Mike] [bpf_probe_write_user alternatives](#) check-in
 - [fix: fallback to no context propagation in kafka-go instrumentation if bpf_probe_write_user is not enabled](#)
 - [Tyler/Ron/Mike] [Custom probe API](#) check-in
 - Should [this](#) be closed?
 - [Draft PR](#)
- [Ron] e2e testing updates
- [Tyler] [Open PRs](#):
 - [fix get go string from user ptr to add null byte at the end of a string](#)
 - [fix: add cross-platform perf reader implementation and fix type mismatch](#)
 - [Instrument the OTEL trace API's auto SDK](#)
 - [chore\(deps\): update bitnami/kafka:latest docker digest to 1479fb5](#)
 - [Unify examples Dockerfile and update examples go.mod](#)
 - [Replace net/http Request.pat.str with Request.Pattern](#)

Apr 1, 2025 | 📅 Go Auto-Instr SIG

CANCELLED FOR KUBECON :)

Mar 25, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Mike Dame (Odigos)
- Nikola Grcevski (Grafana)

Notes

- [Tyler] KubeCon next week
- [mike] Decouple process from probes?
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/2029>
- [Tyler] CI is extremely unstable
 - Still working on splitting of parts from [this](#).
- [Tyler] [Add pipeline.Handler](#)
- [Tyler] [Instrument the OTel trace API's auto SDK](#)
- [Tyler] [add cross-platform perf reader implementation and fix type mismatch](#)

Action items



Mar 18, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Ron Federman (Odigos)

Notes

- [Tyler] [Add a dockerignore](#)
- [Tyler] [Custom handler API](#)
- [Tyler] [Lazy allocate memory for process](#)
- [Tyler] [add cross-platform perf reader implementation and fix type mismatch](#)

Action items



Mar 11, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Odigos) – have to drop halfway
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Kemal Akkoyun (Datadog)

Notes

- [Mike] Beta release shoutout in [eCHO News #77!](#)
- Process package refactor:
 - [ID](#)
 - [Info](#)
 - [Allocate](#)
 - ~~Discover~~
- [Tyler] [Custom handler API](#)
- [Tyler] [Add a dockerignore](#)
- [Tyler] [add cross-platform perf reader implementation and fix type mismatch](#)

Action items



Mar 4, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Rafael Roquette (Grafana Labs)
- Nikola Grcevski (Grafana Labs)
- Mike Dame (Odigos)

Notes:

- [Tyler] [Add ID type to process package](#)
- [Tyler] [Custom handler API](#)
- [Tyler] Beyla integration [due diligence document](#)
- [Tyler] [bpf_probe_write_user alternatives](#): using ptrace in the SDK probes:
 - Tyler: I looked into this and we are also writing trace/span IDs with bpf_probe_write_user
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1926>
- [Tyler] Binary object file tracking [update](#)
- [Mike] Probe API updates and questions
 - Blocked on Process package refactoring and exporting
 - Wishlist:

- Pass handler to Run function, Probe itself implements multi-signal via handler
 - Runtime dynamic updates, split Load/Attach/Detach
 - POC example probes for the api
 - AI: Mike follow up with Nikola/Rafael on TC probe examples
- [Tyler] [Open PRs](#)

Feb 25, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Odigos)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Rafael Roquette (Grafana Labs)
- Nikola Grcevski (Grafana Labs)

Notes:

- [Tyler/Ron] [Custom handler API](#) check-in
 - [PR](#)
- [Tyler] [Multi-process support](#) check-in
 - Dropping?
 - The idea is if you are consuming this auto project your responsibility is going to be in the management of multi-processing handling.
- [Tyler/Mike] [Binary object file tracking](#) check-in
 -
- [Nikola/Tyler] [Beyla integration](#) check-in
 - WIP
- [Ron/Eden] [Sampling](#) check-in
 - Depends on the Probe API
- [Nikola/Mike] [bpf_probe_write_user alternatives](#) check-in
 - Integrating the SDK probes: ptrace
 - AI (Tyler): create an issue for this.
 - Net/http – wait for custom probe refactor
- [Tyler/Ron/Mike] [Custom probe API](#) check-in
 - Load, attach, run
 - AI (mike): replace existing PR with new one following design
- [Tyler] [Open PRs](#)

Feb 19, 2025 | 📅 Go Auto-Instr SIG: Custom Probe WG

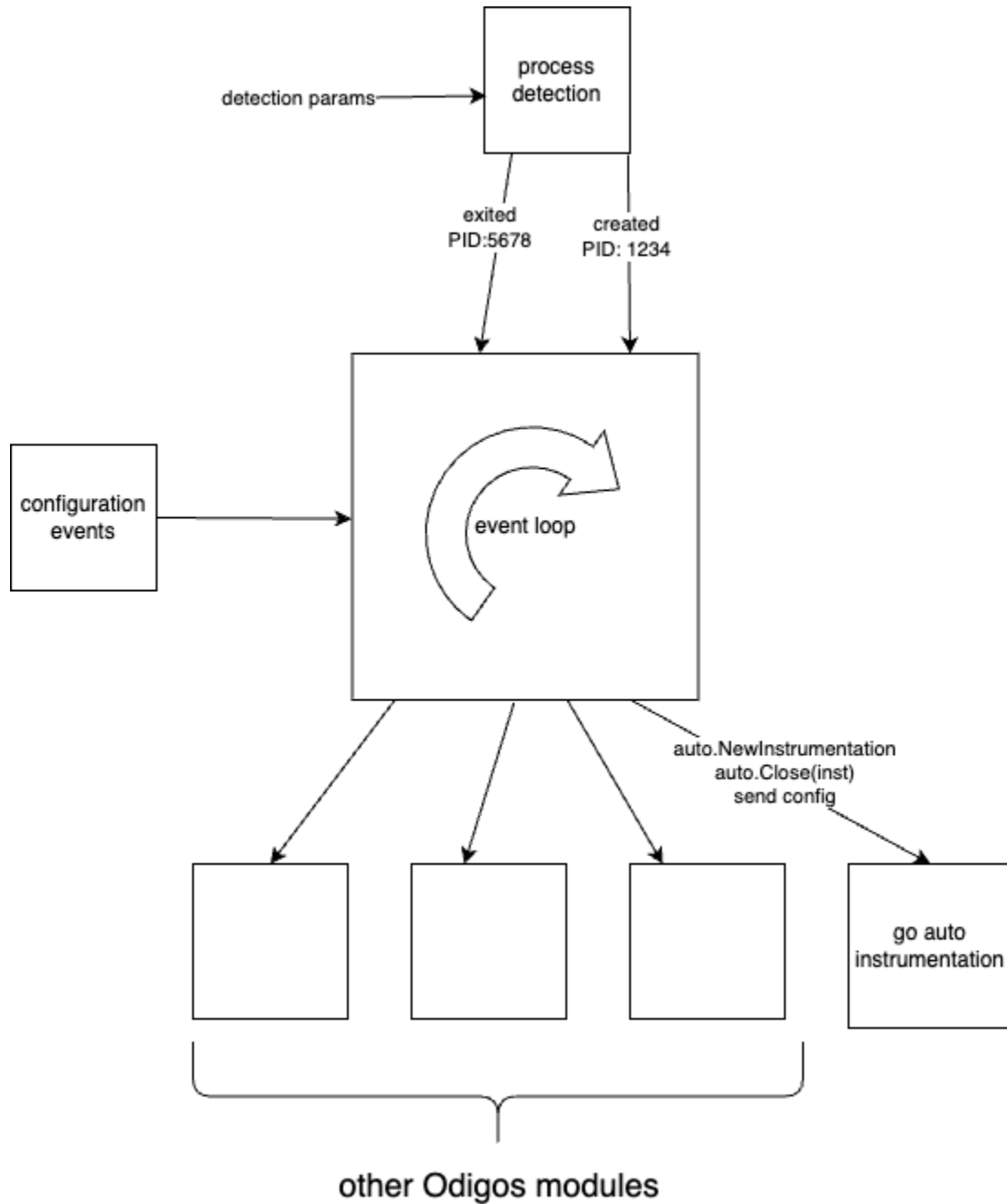
Attendees:

- Mike Dame (Odigos)

- Tyler Yahn (Splunk)
-

Notes

- Deep dive into how Odigos is using the project



- Event loop
- [Process detection module](#) provides events
 - Uses eBPF for process detection

- Configuration events
- Results
 - Call the Go auto-instrumentation
 - Start
 - Ended
 - Configured
 - Also call other Odigos modules
- The fact that daemons need global state means that we may not want to build them into the probe API. This feature/coordination will be in the CLI/Beyla donation/Odigos agent. The auto-instrumentation Go project will be scoped to running “probes” that instrument Go applications for a single process.
- Process detection should be moved out?
- Importing this into Beyla or Odigos has a binary-in-git issue

Action items



Feb 18, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski *joining late (Grafana Labs)
- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Ron Federman (Odigos)
- Kemal Akkoyun (Datadog)

Notes:

-
- [Tyler] [Release?](#)
 - AI (tyler): do the v0.21.0 release
- [Tyler] [Beyla integration](#) check-in
- [Mike] Custom Probe WG meeting reminder

Feb 12, 2025 | 📅 Go Auto-Instr SIG: Custom Probe WG

Attendees:

Topics:

- Custom Probes issue
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1105>
- Refactor API attempt
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1307>
- Goals
 - Multiple probe types
 - Signals
 - eBPF programs (uprobe, kprobe, network, host, etc)
 - Different languages
 - Current function changes
 - Split Load and Attach
 - Change signature of Run()
 - Channel/event handling, context
 - Running probe updates:
 - Report Status
 - Reported supported config
 - Update config
 - Report supported versions
- Design
 - Factory pattern
 - Interface design: modular, hierarchical, other
 - Singleton pattern → one probe re-used/accessed by multiple other probes

Notes

- Scoping alternative injection of trace parent as driving example for different kinds of probes
- Or start with different signals first
 - Alternatively, keep different signals in mind but could be biting off more than we can chew out of the gate
- Different program types (Daemon idea – general running operation within eBPF to operator your probe)
- Traffic control memory writing, not designed for many programs listening on it
 - Traffic control X (TCX) designed more for many programs, but only available in recent kernels
 - Older kernel approach could use singleton traffic control approach
 - Per user-probes need to inject traceparent through tc
 - Old traffic control allows running multiple instances but by chaining them together, picking priority for each new probe
 - Can't be sure other TC programs are cooperative (eg, Cilium, which doesn't chain/allow any other program to run after it)
- Dependency management for probes
 - Unique identifiers, dep management structure, order of loading, uniqueness of loading

- Probe needs to declare how it runs (daemon, uprobe), collision detection
 - Restructuring manifests for probes
- In Beyla, haven't had need for dependency yet
 - ex: Know TC patching header requires being loaded at the same time as the packet extension programs
 - Without NET_ADMIN, that load fails but rest of the code works
 - Go HTTP library instruments client request, populates a map saying which request should be injected to set up info for TC code. Essentially a no-op if TC code is not there. If the TC code is running it will check that connection in the map.
- Stepping back, would Beyla build something to not inject those dependent uprobes in the first place?
 - No, metrics are still possible
 - Without metrics, probably yes would need some dependency/hierarchy in place
- Need rich management, conditional loading+signalling for what was/wasn't loaded
- Conditional dependency requirements
- Need to build dependency map before loading anything, loading order, signal/status chaining
- Are there any other use cases for dependency management? Could dependencies such as TC use case be circumvented in other ways?
- Is context correlation our only inter-probe dependency?
 - Sharing state about a request from probe to probe
 - State handler alternative
 - Go library version dependencies (eg: instrumenting library A at version X, needs to probe another function at version Y)
 - Could that be contained in the probe itself?
 - eg, Go 1.24 needs to add another probe and include extra probes that are only present in another library "only load this probe (http) if the other probe (db) is loaded"
 - Ex: instrumentation for HTTP and instru. for cryptography, would you ever need probe for one loaded before the other? Such as something in the crypto that's used in the HTTP probe -> state pipeline is really all you need for that
 - Unless cryptography is pulling out attributes/annotations/data besides trace context to http
 - Could the state transfer pipeline just use `any` to be generic?
 - Such as updating map references
 - 2 probes could be dependent if one side is reading a map and one side is writing
 - Recompiling code with map names updated on the fly might not work with runtime state management system – need maps/state data structure defined ahead of time
- Communication/dependency to load less probes when not necessary (such as unloaded dependent or duplicate dependent)
 - eg, db calls without needing http or grpc

- useless info + overhead
- Beyla was initially very modular and consolidated over time
- Shake out dependency system and its impacts on design, Probe manifest
- Does every type of probe need to be either a telemetry or dependency
 - Go-auto target to be executable and executable hasn't launched yet
 - Watcher sends events about executed applications, new ports being opened
 - Watcher uses ebpf
 - Third category of probe to enable the framework/manager/machinery + multiprocess support
 - Also in Beyla logger to read bpf_print statements
- Multiprocess: singleton for all probes? or launching multiple instances
- Beyla watchers-> signal instrumentation probes such as "here's a new thing"
- Framework within the probe vs framework external (ie, manager/orchestrator)
- Classifying probes in load vs attach
 - load once + attach multiple times, load once + attach once
 - Daemon would only need load, run, and not attach
 - These other probes may not have any attach, but rather "listen" -> streaming data, events
 - Event streaming for any probe
 - difference between linux process/host events vs telemetry events

Action items

- ☐ Summary/Items for next time:
 - ☐ Classifying types of Probes
 - ☐ Telemetry, Dependency, Multiprocess/host level, event streaming
 - ☐ Event processing, watcher concept design doc (Tyler)
 - ☐ Gathering telemetry side vs handler side (multiple signals)
 - ☐ Configuring Probes (initial, runtime)

Feb 11, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Rafael Roquette (Grafana Labs)
- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana Labs)
- Ron Federman (Odigos)
- Kemal Akkoyun (Datadog)
- Trace Baxter (Self)
- Mike Dame (Odigos)

Notes:

- [Tyler] KubeCon EU
- [Tyler] Custom Probe “kick-off”
 - AI (Tyler): create meeting (12pm EST/8am PST) 30 minutes
 - Go over feedback
 - Come up with next steps
- [Tyler] [Beyla integration](#) check-in
- [Tyler] [Open PRs](#)
- [Ron] Update Go versions support
 - AI (Tyler): supersede issue with “drop Go <1.19” iussue

Feb 4, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Nikola Grcevski (Grafana)
- Ron Federman (Odigos)
- Jhin Lee (Unity)

Notes:

- [Tyler] [Beta release](#) last week!
 - [Add instrumentation for the "go.opentelemetry.io/otel/trace".nonRecordingSpan](#)
 - [Add crosslink](#) to support `auto/sdk` replacements
- [Nikola/Mike] [bpf_probe_write_user alternatives](#) check-in
 - Depends on multi-process/daemon support
- [Tyler/Ron/Mike] [Custom probe API](#) check-in
 - Mike to follow up with scheduling a kick-off meeting
- [Tyler/Ron] [Custom handler API](#) check-in
 - Talked through iterative design approach
- [Tyler] [Multi-process support](#) check-in
- [Tyler/Mike] [Binary object file tracking](#) check-in
- [Nikola/Tyler] [Beyla integration](#) check-in
- [Ron/Eden] [Sampling](#) check-in
 - Depends on the Probe API
- [Tyler] [Open PRs](#)

Jan 28, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Rafael Roquette (Grafana Labs)
- Nikola Grcevski (Grafana Labs)

- Mike Dame (Odigos)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Nikhil Thomas (Red Hat)

Notes:

- [Nikola] [Swiss maps update](#) check-in
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1636>
- [Tyler] Beta release: <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1711>
- [Tyler] [Open PRs](#)
-

Jan 21, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Odigos)
- Tyler Yahn (Splunk)
- Rafael Roquette (Grafana Labs)
- Ron Federman (Odigos)
- Nikola Grcevski (Grafana Labs)

Notes

- [Tyler] Goal marketing
 - AI tiler: Generate an issue/blog post
- [Swiss maps update](#) check-in
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1636>
- [Tyler] Beta release
 - [Project](#)
- [Tyler] [Open PRs](#)
- [Nikola] [Disabling probe write user for all instrumentations](#)

Jan 14, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Mike Dame (Odigos)
- Nikhil Thomas (Red Hat)
- Rafael Roquette (Grafana Labs)

Notes

- [Swiss maps update](#) check-in

- [Nikola] I can't attend this week, but I've started on this and I'll make a PR for the stop-gap solution this week.
- [Beta release](#) check-in
 - [Add instrumentation for the "go.opentelemetry.io/otel/trace".nonRecordingSpan](#)
- [Tyler] [Open PRs](#)

Jan 7, 2025 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Rafael Roquette (Grafana)
- Ron Federman (Odigos)
- Nikhil Thomas (Red Hat)
- Tyler Yahn (Splunk)
-

Notes

- [?] 2025 Goals and Priorities
 - (P0) Swiss maps updates
 - (P1) Beta release
 - (P2) Probe API
 - bpf_probe_write_user alternative
 - (P2) Handler API
 - (P2) Multi-process support (daemon sets)
 - (P3) Binary file handling
 - Inspector gadget (CNCF)
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1233>
 - (P3) Beyla integration
- Swiss maps update
 - Deadline for this is mid-Feb when Go 1.24 will be release with this
 - Tracking [issue](#)
- [Tyler] Beta release
 - [Milestone](#)
 - [Project](#)
 - [Blog post](#)
- [Tyler] [Run integration tests using docker-compose](#)
 - Plan to split functionality being introduced here
- [Ron] `pdata` transition - avoid resource duplication and how to batch.

Action items



Dec 17, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Ron Federman (Odigos)
- Rafael Roquette (Grafana Labs)

Agenda:

- [Tyler] [Open PRs](#)
 - [Support google.golang.org/grpc v1.69.0](#)
 - [\[PoC\] Enable auto/sdk in otel global](#)
- [Tyler] [Beta project](#)

Dec 10, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Rafael Roquette (Grafana Labs)
- Nikola Grcevski (Grafana Labs)

Agenda:

- [Nikola] Switching the docker image to “from scratch”?
- [Tyler] [Run integration tests with docker-compose](#)
- [Tyler] [Clean up e2e Dockerfiles](#)
- [Tyler] [Only setup BATS if needed in kind workflow](#)
- [Ron] Using `pdata`, maybe config option?
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1177>
- [Tyler] [Beta project](#)

Dec 3, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Odigos)
- Ron Federman (Odigos)
- Nikola Grcevski (Grafana)
- Eden Federman (Odigos)
- Tyler Yahn (Splunk)

Notes

- [Tyler] [Open PRs](#)
- [Tyler] [Beta project](#)
- [Nikola] Any thoughts on what we can do about the Go 1.24 maps?
- [Nikola] Switching the docker image to “from scratch”?

Nov 26, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Rafael Roquette (Grafana Labs)
- Tyler Yahn (Splunk)
- Mike Dame (Odigos)
- Nikola Grcevski (Grafana Labs)

Notes

- [Mike] first pass at Probe API refactor:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1307>
 - Use cases
 - Composition vs specificity
 - Multi-process
- [Nikola] Discuss alternatives to reading the Go hashmap with changes to the swiss map in Go 1.24 (coming second week of February 2025)
 - Instrumenting the new swiss map directly look hard, maybe too hard
 - Instead, for the trace parent parsing, we could look into instrumenting other parts of the Go code that parse headers.
 - Slack thread on labels change:
<https://cloud-native.slack.com/archives/C03J794L0BV/p1730987225071609>
 - Go change: <https://go-review.googlesource.com/c/go/+574516>
 - Using kprobes on sockets for HTTP would remove the problem (for HTTP):
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/290#issuecomment-2501240214>
 - AI (Nikola): create issue to track this
- [Tyler] Switch from dependabot to [Renovate](#), any objections?
- [Tyler] [Beta project](#)
- [Tyler] [Open PRs](#)

Action items



Nov 19, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana Labs)
- Tyler Yahn (Splunk)

- Rafael Roquette (Grafana Labs)
- Mike Dame (Odigos)
- Ron Federman (Odigos)
- Dinesh Gurumurthy (Datadog)
- Amir Blum (Odigos)

Notes

- [Tyler] KubeCon `bpf_probe_write_user`:
 - [So You Want to Write Memory with eBPF? - Nikola Grcevski, Grafana Labs & Mike Dame, Odigos](#)
 - Use `BPF_PROG_TYPE_SK_MSG` to write header for unencrypted traffic
 - Look into using `KTLS` and `SK_MSG` for encrypted headers
 - May require users to use an alternate TLS package or patch Go with support for this functionality
 - AI (Nikola): update Github issue tracking this.
- KubeCon debrief:
 - Mentioned in Operator talk
 - Mentioned in the “where’s the auto in auto-instrumentation”: <https://www.youtube.com/watch?v=RGH3nYkKRn4>
 - Likely still some confusion in how our project works
 - Diagram/docs could be added to help clarify to outsiders how it works
 - <https://www.youtube.com/@cncf/videos>
- [Tyler] [OTel global tracer ID needs to be updated](#)
- [Tyler] [Stabilize the go.opentelemetry.io/auto/sdk module](#)
 - [Test SDK TracerProvider](#)
 - [Test SDK Tracer](#)
 - [Make SDK span concurrent safe](#)
 - [\[PoC\] Configure span limits](#)
- [Mike] SQL Semconv performance https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1253#discussion_r1834409546
- [Tyler] [Beta project](#)
- [Dinesh] <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/197>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1219>

Nov 5, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana), appointment, can't make it~~
- Ron Federman (Odigos)
- Tyler Yahn (Splunk)
- Amir Blum (Odigos)

- Mike Dame (Odigos)

Notes

- [Ron] <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1240>
- [Mike et al] Committing object files and alternatives:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1233>
- [Tyler] Release?
 - AI: Tyler work on release
- [Tyler] [Beta project](#)
- [Tyler] [Open PRs](#)

Action items



Oct 29, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (unemployed)
- Dinesh Gurumurthy (Datadog)
- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)

Notes

- [Tyler] Offsets
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1206>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1225>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1226>
- [Tyler] Beyla donation
 - <https://github.com/open-telemetry/community/issues/2406>
- [Tyler] [Replace probe.Event with ptrace.ScopeSpans](#)
- [Tyler] [Update Makefile to only generate what is needed](#)
- [Tyler] [\[chore\] Remove unused variables in Makefile](#)
- [Tyler] [Use auto-instrumentation SDK in global tracing](#)
- [Tyler] [Beta project](#)

Oct 22, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Greevski (Grafana)~~ (at an offsite this week)
- ~~Rafael Roquette (Grafana)~~ (at an offsite this week)
- Mike Dame (Google)
- Tyler Yahn (Splunk)
- Amir Blum (Odigos)
- Ron Federman (Odigos)

Notes

- [Tyler] [OTel GC elections](#)
- [Ron] Supporting go binaries built with Bazel
 - I saw 2 different cases of failed instrumentation for binaries built with Bazel.
 - It seems we can't extract the dependencies and their versions in that case.
 - Bazel builds did not have dependencies discovered when using the `debug/buildinfo`.
 - Idea: ask the Bazel team how we can get the dependency info.
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1212>
- [Ron] <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1204>
 - It seems like there is a bug in offsetgen which rarely creates wrong entries.
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1044/files#diff-15a322f23067198dc3f6baea35dec97f02a703fe637d6191e9871c5bf43d564> Is an example for taking a valid cached offset and overwriting it to a nil offset - I think this narrows down the area to look for the bug.
 - I tried to reproduce this locally but failed to do so. I tried to figure out possible race conditions in the inspector code but didn't find any.
 - AI (tyler): create manual PR to fix known bug (<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1208>)
 - Release this?
 - Yes
 - Include the SDK module in the release
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1210>
 - AI (tyler): create issue – update offsets PR CI to check all bumped versions of packages
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1211>
 - AI (Mike): debug why offsetgen if failing for him as he is able to reproduce bugs
- [Tyler] [Beta project](#)
- [Tyler] [Open PRs](#)

Oct 15, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)

- Rafael Roquette (Grafana)
- Mike Dame (Google)
- Ron Federman (Odigos)
- Nikola Grcevski (Grafana)

Notes

- [Mike] compile-time donation: <https://github.com/open-telemetry/community/issues/1961#issuecomment-2410682641>
 - Meeting time to discuss
 - Monday 8am PT / 11am ET
 - (AI: Mike) create this meeting on the OTel calendar
 - Questions for them
 - Relationship between the 2 projects
- [Tyler] SDK implementation PRs
 - Ready for review: [Add encoding tests to the telemetry package](#)
 - Ready for review: [Remove String and Size methods of TraceID and SpanID](#)
 - WIP: [Use sdk/telemetry instead of pdata for the autosdk probe](#)
- [Tyler] [PoC- Switch to pdata as data-model](#)
- [Tyler] Proposal to add auto-instrumentation to the Go standard library (Jon Bodner)

Oct 8, 2024 | 📅 Go Auto-Instr SIG

Attendees:

Notes

- Cancelled due to conflicts

Action items



Oct 1, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana)~~ (traveling)
- Rafael Roquette (Grafana)
- Tyler Yahn (Splunk)
- Mike Dame (Google)

Notes

- [Tyler] Release?
 - AI (tyler): get a release together this afternoon
- [Tyler] SDK implementation PRs

- [Add span start attributes to the SDK data](#)
 - [Add span kind support to SDK and SDK probe](#)
 - PoC: [Add SDK data-model package](#)
- [Tyler] PoC: [Run integration tests locally](#)
- [Tyler]: OoO next week, I will miss the meeting. Mike to run the meeting.

Sep 24, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana)~~ (traveling)
- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Ron Federman (Odigos)

Notes

- [Tyler] SDK implementation PRs
 - [Implement the Span.SetName method](#)
 - [Implement the SDK's Span.SetAttributes method](#)
 - [Implement the SDK's Span.SetStatus method](#)
 - [Test the SDK's Span.SpanContext method](#)
 - [Add end-to-end tests for the SDK](#)
 - TODO:
 - Implement links
 - Implement events and error recording
 - Example package
 - pdata replacement ...
- [Tyler] [The SDK should not import pdata](#)
 - Actively working on this
 - There is a compatible way to translate directly from JSON to pdata
- [Tyler, Mike] [Custom Probes](#)
 - [Example DB and HTTP custom Probe configs](#)
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1124>
- [Tyler] [Open PRs](#)

Sep 17, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Google)
- Ron Federman (Odigos)
- Nikola Grcevski (Grafana)
- Rafael Roquette (Grafana)
- Tyler Yahn (Splunk)

Notes

- [Tyler] [Logging Is Closed-Off and Unconfigurable](#)
 - [Use slog instead of logr](#)
- [Tyler] [The SDK should not import pdata](#)
- [Tyler] [Custom Probes](#)
- [Tyler] [Open PRs](#)
 - [Switch SpanEvent times to use time.Time](#)
- [Tyler] [Beta project](#)

Sep 10, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Tyler Yahn (Splunk)
-

Notes

- [Tyler] [SDK wireframe](#)
- [Tyler] [Log the CLI version](#)
- [Nikola] Update on the alternatives for bpf_write_user
 - The suggestion to use ptrace is pretty heavy (i.e. 0.5 ms)
 - Requires an interrupt, meaning the target process is halted and essentially serialized.
 - Looked into another approach:
 - Replace the start of a function to a jump
 - Works well for starts, but not for returns
 - Purely in userspace, run mem with Go application and jump to that program so it can write to other userspace memory.
 - Similar to the old odigos launcher approach that used to exist
 - Similar to <https://github.com/frida/frida-rust> injects code into any part of a binary
 - The Arena approach will mean that we need to make all the Go heap part of the arena so we can extend arrays (i.e. if we need to resize things we need to update the array to point to an extended section of memory that wouldn't necessarily be a part of the Go memory space).
- [Tyler] Proposal: investigate using [pdata](#) as data-model
 - Use [ptrace.Traces](#) to replace existing [Event](#)
 - [Controller.Trace](#) would process these [ptrace.Trace](#) values
 - We would have direct access to the span fields we want to set/modify
 - We could evolve to where we do not need an opentelemetry-go SDK
 - Instead we could reuse collector components and allow users to do the same

- Beyla did this a few months ago and notice a 10x reduction in CPU/Mem overhead
 - <https://github.com/grafana/beyla/pull/729>
- [Tyler] [Open PRs](#)
- [Tyler] [Beta project](#)

Sep 3, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Eden Federman (Odigos)
- Mike Dame (Google)
- Rafael Roquette (Grafana)
- Tyler Yahn (Splunk)
- Evan Torrie (unattached)

Notes

- [Tyler] [Custom SDK PoC](#)
- [Tyler] [Open PRs](#)
- [Tyler] [Beta project](#)

Aug 27, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Google) (might be late)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Nikola Grcevski (Grafana)

Notes

- [tyler] [Planned Migration for go.opentelemetry.io](#): September 5, 2024 at approximately 11:00AM Eastern Time
- [tyler] [Custom SDK PoC](#)
- (Mike) gRPC status code: <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/1044>
- [Tyler] [Open PRs](#)

Action items



Aug 20, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Rafael Roquette (Grafana)
- Ron Federman (Odigos)
- Mike Dame (Google)

Agenda:

- [Mike] Suggestion for probe_write_user
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/290#issuecomment-2299098345>
 - AI (tyler): ask about kprobe socket header re-writes
 - AI (Rafael): ping Nikola
- [Mike] Auto-instrumentation as collector receiver
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/1026>
- [Tyler] [Open PRs](#)
- [Tyler] [Beta project](#)

Aug 6, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Ron Federman (Odigos)
- Mike Dame (Google)

Agenda:

- [Tyler] [Open PRs](#)

Jul 30, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Google)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)

Agenda:

- [Ron] e2e enhancements:
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/972>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/973>
 - AI (Ron): create issue to track work on using vimto to test kernel versions:
<https://github.com/lmb/vimto>

- [Tyler] [Open PRs](#)

Jul 23, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana)~~ (can't make it, company event. I'm also away on vacation for the next two weeks. See you all in August.)
- Mike Dame (Google)
- Tyler Yahn (Splunk)
- Ron Federman (Odigos)

Agenda:

- [damemi] Semconv audits:
 - gRPC - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/172#issuecomment-2237287248>
 - database/sql - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/743#issuecomment-2243523851>
 - Open to help on addressing any of the updates for either of these
- [Tyler] [Open PRs](#)

Jul 16, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Ron Federman (Odigos)
- Nikola Grcevski (Grafana)
- Zachary Gonzales

Agenda:

- [Open PRs](#)
 - [Refactor span creation](#)
- [Beta project](#)

Jul 9, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Ron Federman (Odigos)

- Nikola Grcevski (Grafana)

Agenda:

- [Tyler] Next [release](#)
- [Tyler] [Open PRs](#)
- [Beta project](#) triage
- Instrumenting the collector:
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/902>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/640>

Jul 2, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Zachary Gonzales
- Eden Federman (Odigos)

Agenda:

- [Tyler] [Instrument IsRecording from default OTel default global impl](#)
- [Tyler] [Open PRs](#)

Jun 25, 2024 | 📅 Go Auto-Instr SIG

Attendees:

Notes

- **Canceled for Otel Community Days**

Action items



Jun 18, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)

Agenda:

- [Tyler] [User feedback](#) survey ideas
 - AI (tyler): open collaborative doc to start building a survey
- [Tyler] [Open PRs](#)
-

Jun 11, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)

Jun 4, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Mike Dame (Google)

Agenda:

- [Nikola] Added an issue for instrumenting Kafka Sarama library.
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/869>
- [v0.12.0-alpha release](#)
- [Open PRs](#)

May 28, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Mike Dame (Google)

Agenda:

- [v0.12.0-alpha release](#)
- [Open PRs](#)
- [Beta project](#) triage

May 21, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Nikola Grcevski (Grafana)

Agenda:

- [v0.12.0-alpha release](#)
- [Open PRs](#)
- [Beta project](#) triage

May 14, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Mike Dame (Google)

Agenda:

- [Open PRs](#)
 - We need to open an issue to track URL query string value inclusion/omission.
 - This is an OTel wide issue
 - Need to find the OTel CVE or other issue to reference
 - Java issue:
<https://github.com/open-telemetry/opentelemetry-java-instrumentation/issues/2302>
 - .NET issue:
<https://github.com/open-telemetry/opentelemetry-dotnet-contrib/issues/1747>
- [Beta project](#) triage
- Plan is to make the v0.12.0-alpha release within the next week.

May 7, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Mike Dame (Google)

Agenda:

- [Open PRs](#)
- [Beta project](#) triage

Apr 30, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)

Agenda:

- [Open PRs](#)
- [Beta project](#) triage

Apr 23, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Robert Pająk (Splunk)
- Tyler Yahn (Splunk)
- Mike Dame (Google)

Agenda:

- [Nikola] I'm looking at [this issue](#) this week, unless there's something else that's a higher priority?
- [Tyler] [Fix offsetgen](#)
- [Beta project](#) triage

Apr 16, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Robert Pająk (Splunk)
- Mike Dame (Google)

Agenda:

- Follow up from last week
 - [Drop support for go-license](#)
- [Tyler] Experimental instrumentation:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/785>
- [Beta project](#) triage

Apr 9, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana) - may need to drop
- Robert Pająk (Splunk)
- Mike Dame (Google)
- Tyler Yahn (Splunk)

Agenda:

- [Tyler] Release needed
 - AI Mike is going to create the PR for this.
 - Include
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/650>
- [Tyler] [Drop support for go-license?](#)
 - Mike is going to look into trying to make a release of the broken dep first

- [Tyler] Offset version caching [broke](#)?
- [Nikola] [Gin probe](#) doesn't seem to read the headers?
- [Mike] [Beta project](#) triage
- Experimental instrumentation:
 - We could just say our stability supports exact stability of the semconv
 - We could have and opt-in envvar for experimental instrumentation
 - Al Tyler put this in a issue (this track closely with the Kafka/Database inst)
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/785>
 - We could provide migration paths

Apr 2, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Mike Dame (Google)
- Robert Pająk (Splunk)

Agenda:

- [Nikola] Review for <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/705>
- [Support template paths as part of span names for go versions >= 1.22](#)
- [kafka-go instrumentation](#)
- [Mike] beta project <https://github.com/orgs/open-telemetry/projects/50/views/1> (<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/725> beta goals issue)

Mar 26, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Nikola Grcevski (Grafana)

Agenda:

- [Tyler] Planning release this afternoon
 - Mike to make PR
 - Tyler to tag and release
- [Mike] pinned release goals issue, ptal <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/725>

Mar 12, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Robert Pająk (Splunk)
- Mike Dame (Google)

Agenda:

- Cancel next week's meeting due to KubeCon
- <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/725>

Mar 5, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Eden Federman (Keyval)
- Mike Dame (Google)

Agenda:

- [Nikola] I opened a discussion on the kernel mailing list about unlocking the bpf_probe_write_user helper
<https://www.uwsg.indiana.edu/hypermil/linux/kernel/2403.0/03026.html>
 - linux-kernel@vger.kernel.org
 - <http://vger.kernel.org/lkml/#s3-4> (how to work with the mailing list)

Feb 27, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Robert Pająk (Splunk)

Agenda:

- [Nikola] Discuss changing the context propagation to use internal Go memory
 - The current allocation of external memory has permission and size issues
 - The HTTP header serialization function could be probed
 - That function allocates a 4k buffer that we could write to instead of external memory.
 - This will be different for gRPC. It will be a more involved solution.
 - Will start with just HTTP and follow up with gRPC

- Request pointers can be allocated to the stack. The stack is not guaranteed to not be moved, which can cause invalid references if this occurs. A repro would be helpful and a fix will be needed.
- [damemi/RonFed] committing generated bpf files - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/695>

Feb 20, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana)
- Tyler Yahn (Splunk)
- Mike Dame (Google)

Agenda:

- [Nikola] <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/682>
I have a work meeting at half an hour before this SIG starts that I cannot move. I hope I'll be done on time, but it's possible I won't make it.
- [Update rolldice to commit go.mod and gitignore binary](#)
- [Skip checking extra functions in FilterUnusedProbes\(\)](#)

Feb 13, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana)~~ (I have company event conflict this week)
- Tyler Yahn (Splunk)
-

Agenda:

- Canceling due to lack of attendees
- [Update rolldice to commit go.mod and gitignore binary](#)
- [Skip checking extra functions in FilterUnusedProbes\(\)](#)

Feb 6, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Aaron Clawson (Lightstep)

Agenda:

- Update with sync from Isovalent:
 - eBPF API is stable (not adding any helper functions)

- Given there is an existing helper Nikola is planning to start a thread on if the existing function can be “unlocked”.
- They back-ported the disabling of the helper function back to 5.10

Jan 30, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Robert Pająk (Splunk)

Agenda:

- Nikola: reaching out to Linux kernel folks to clear up permissions

Jan 23, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Nikola Grcevski (Grafana)

Agenda:

- [Detect if the Linux Kernel is in lockdown mode](#)
- AI(Tyler): manually create a PR just to update offsets.
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/621/>

Jan 16, 2024 |

Attendees:

- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana)
- Robert Pająk (Splunk)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)

Agenda:

- <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/197#issuecomment-1883038667>
- Ended meeting early due to lack of topics to discuss

Jan 9, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Robert Pająk (Splunk)
- Nikola Grcevski (Grafana)
- Tyler Yahn (Splunk)
-

Agenda:

- [Nikola] I want to pick this up, I want to discuss if it's worth supporting secure boot partially or just warn:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/290>
- [Tyler] Release?
 - Updated offsets:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/587>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/588>

Jan 2, 2024 | 📅 Go Auto-Instr SIG

Attendees:

- Robert Pająk (Splunk)
- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)

Agenda:

- [Tyler] Release?
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/compare/v0.9.0-alpha...HEAD>
 - AI (Tyler) Release:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/577>
-

Dec 12, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Nikola Grcevski (Grafana Labs)~~ away until next year
- Robert Pająk (Splunk)
- Dinesh Gurumurthy (Datadog)
- Tyler Yahn (Splunk)

Agenda:

- [Tyler] Cancel the rest of the meetings for the year?
 - Ask in slack

- [Tyler] OTEL SDK implementation: how to support sampling and IsRecording?
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/537>
- [Tyler] Semconv 1.23.1 is coming:
 - <https://github.com/open-telemetry/opentelemetry-go/pull/4749>
 - We will need to update including all the breaking changes.
 - [AI: Tyler] - create an issue to track this
 - Blocked by upstream release
- [Tyler] Release?
 - [v0.9.0-alpha milestone](#)
 - [AI: Tyler] PR release today
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/556>
- [DG] Discuss [multiple process monitoring](#)
 - [AI: Dinesh] Add a plan for what PRs are going to be submitted for this in the issue tracking.

Dec 5, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- ~~Tyler Yahn (Splunk)~~ not able to make it today
- Nikola Grcevski (Grafana Labs)
- Dinesh Gurumurthy (Datadog)
- Robert Pająk (Splunk)

Agenda:

- [DG] Discuss [multiple process monitoring](#)
 - Moved to next meeting
- The meeting has been canceled

Nov 28, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Przemek Delewski (SumoLogic)
- Nikola Grcevski (Grafana Labs)
- Eden Federman (Keyval)

Agenda:

- [tyler] [v0.9.0-alpha milestone](#)
- [Przemek] [instrgen design](#)
- [Eden] [#523](#)

Nov 21, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Robert Pająk (Splunk)
- Nikola Grcevski (Grafana Labs)

Agenda:

- [Nikola] [Reading the HTTP status code in server requests does not work with custom http.ResponseWriter's #472](#)

Nov 14, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Robert Pająk (Splunk)
- Tyler Yahn (Splunk)
- Nikola Grcevski (Grafana Labs)
- Przemek Delewski (SumoLogic)
- Eden Federman (Keyval)
- Dinesh Gurumurthy (Datadog)

Agenda:

- [Tyler] v0.8.0-alpha release
 - [Provide a default implementation of the Probe](#)
- [Tyler] [Add manual instrumentation support](#)
 - Step 0: ensure context propagation works in instrumentation (likely three new issues)
 - Step 1: provide a TracerProvider implementation from auto that manual instrumentation can explicitly use to say they want their data to go to the same pipeline
 - Step 2: Add cli flag that when set will override any user defined SDK in manual instrumentation and capture all telemetry in the auto pipeline.
- [Przemek] Relaxing rules around approving and merging [instrgen](#) PRs
- [Nikola] I opened two issues of things we've discovered while working on HTTP instrumentation:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/471>
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/472>
- ~~AI: Tyler change meeting time for next week.~~ Done

Nov 7, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Nikola Grcevski (Grafana Labs)

Agenda:

- I opened two issues of things we've discovered while working on HTTP instrumentation:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/471>
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/472>

Oct 31, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Robert Pająk (Splunk)
- Nikola Grcevski (Grafana Labs)

Agenda:

- [Tyler] Welcome Ron Federman as an approver
- [Tyler] [Working](#) to centralize probe manifest and provide a default implementation
- [Tyler] Should we cancel next week's meeting
- [Nikola] Grafana would like to start participating more, where do we start?
- [Robert] Integration testing against multiple versions of Go and libraries
 - We could create containers with a given Go + library version that we want to test against. We should manually specify the versions (e.g. table driven tests) based on the supported versions (see: [equivalence partitioning](#)).
 - Testing against different Kernel versions is more problematic as it would need at QEMU or VM.

Oct 24, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Robert Pająk (Splunk)

Agenda:

- [Tyler] [Remove the InstrumentorContext](#)
- [Tyler] [Replace log pkg use with explicit loggers](#)
- [Tyler] [Replace internal/pkg/inject.Injector](#)
- [Tyler] [Add offsets data model package](#)
- [Tyler] Working on [Add docgen to generate COMPATIBILITY.md](#)
 - Blocked by above work
 - Need to refactor the Instrumentors to return their needed targets
-

Oct 17, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Przemek Delewski (SumoLogic)

Agenda:

- [Tyler] Who is going to KubeCon NA?
- [Tyler] Working on “[The offset file format does not evaluate back-ported patches](#)”
- [DG] Review
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/208>

Oct 10, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Robert Pająk (Splunk)

Agenda:

- [Robert] [Add manual instrumentation support #352](#)

Oct 3, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Eden Federman (Keyval)
- Dinesh Gurumurthy (Datadog)
- Aaron Clawson (Lightstep)

Agenda:

- [Eden] What's left for declaring beta?
- Instrugen test intermittently failing:
<https://github.com/open-telemetry/opentelemetry-go-contrib/actions/runs/6381557813/job/17318255608?pr=4322>

Sep 26, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)

Agenda:

- [Tyler] Still working towards [refactor of offsets-generator](#)
 - [Allow multiple version ranges for traced field offsets](#)

- [Tyler] I will be out next week and will miss the SIG meeting.

Sep 19, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Robert Pająk (Splunk)
- Dinesh Gurumurthy (Datadog)

Agenda:

- [Tyler] [Unify offset data model](#)
- [Tyler] Still working towards [refactor of offsets-generator](#)
 - [Current state is broken](#)
 - [Allow multiple version ranges for traced field offsets](#)
 - [Use "github.com/hashicorp/go-version" for versions in the pkg/inject data model versions](#)
- [Tyler] I expect our [beta release](#) date to be after KubeCon at this point
- Grafana auto-instrumentation project: <https://github.com/grafana/beyla/tree/main>

Sep 12, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Goldsmith (Honeycomb)

Agenda:

- Proposal: Move the early meeting weeks back to this time since low attendance and it is not ideal for some EU participants
 - AI: We should put out a doodle poll
- pkg, include, and offsets-generator have been moved internal
 - PRs need to be rebased to change the code in internal
 - Should we release it early so we can delete the old to remove confusion?
 - Mike to release v0.3.0-alpha

Sep 5, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Przemek Delewski (Sumologic)
- Dinesh Gurumurthy (Datadog)
- Robert Pająk (Splunk)

Agenda:

- Proposal: Move the early meeting weeks back to this time since low attendance and it is not ideal for some EU participants
 - AI: tyler make an issue for proposal
- [Tyler] [Add dependabot checks](#)
- [Tyler] [Move all exported code that does not need to be exported into internal](#)
 - This would supersede:
 - [Rename pkg/instrumentors/bpf/google/golang.org/grpc to pkg/instrumentors/bpf/google.golang.org/grpc](#)
- [Tyler] [New offset generator only uses local version of Go for stdlib offsets](#)
- [PD] <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/4058> ready for review
- [DG] <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/208>

Aug 29, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)

Agenda:

- [Tyler] [Add dependabot checks](#)
- [Tyler] [Move all exported code that does not need to be exported into internal](#)
 - This would supersede:
 - [Deprecate the gorilla/mux instrumentor and test packages](#)
 - [Rename pkg/instrumentors/bpf/google/golang.org/grpc to pkg/instrumentors/bpf/google.golang.org/grpc](#)
- [Tyler] [New offset generator only uses local version of Go for stdlib offsets](#)

Aug 22, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Eden Federman (Keyval)
- Aaron Clawson (Lightstep)

Agenda:

- [Beta project](#)
 - Build ownership model and document: <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/260>
 - Dep gorilla/mux: <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/261>
- [Open PRs](#)

Aug 15, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
-

Agenda:

- [Open PRs](#)
- [Beta project](#)
- [Audit needed for the Hashicorp MPL -> BUSL license change](#)

Aug 8, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Przemek Delewski (SumoLogic)
- Robert Pająk (Splunk)
- Dinesh Gurumurthy (DataDog)
- Aaron Clawson (Lightstep)

Agenda:

- [Open PRs](#)
- [Beta project](#)
- [PD] program uprobe_ServerMux_ServeHTTP_Returns: load program: permission denied
 - <https://github.com/open-telemetry/opentelemetry-operator/issues/1846>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/230> - this is documentation issue
- [PD] <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/4058>

Aug 1, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Robert Pająk (Splunk)
- Eden Federman (Keyval)

Agenda:

- [Beta project](#)
- [Open PRs](#)

Jul 25, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy
- Eden Federman (Keyval)

Agenda:

- [Beta project](#)
- [Open PRs](#)
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/208>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/118>
- Multiple exporter pkg:
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/tree/main/exporters/autoexport>

Jul 18, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Dame (Google)
- Robert Pająk (Splunk)
- Przemek Delewski (Sumo Logic)
- Mike Goldsmith (Honeycomb)
- Jamie Danielson (Honeycomb)

Agenda:

- [damemi] net/http propagation flake
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/220>
- [mike] Consolidate HTTP probe propagation
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/227>
 - Mike to link flakey test above with this PR
- [pellared] Beta project: <https://github.com/orgs/open-telemetry/projects/50>

Jul 11, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)
- Mike Goldsmith (Honeycomb)
- Jamie Danielson (Honeycomb)

Agenda:

- [DG] Service names for multiple processes
 - PR: <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/208>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/actions/runs/5511228555/jobs/10046485812?pr=208>
- [DG] PR: <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/211>
- [Tyler] [Release v0.2.2-alpha](#)
 - [damemi] maybe <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/118> (context propagation across goroutines) will [fix test flakes?](#)
 - [damemi] to open issue. <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/220>

Jun 27, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Aaron Clawson (Lightstep)
- Dinesh Gurumurthy (Datadog)
- Tyler Yahn (Splunk)
- Przemek Delewski (SumoLogic)
- Eden Federman (Keyval)
- Mike Dame (Google)

Agenda:

- [Tyler] Out next week.
- [Tyler] Still need to fix the contrib tagging issue identified in last meeting.
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/4031>
- [Open PRs](#)
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/195>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/208>
- [Eden] Usage update
- [Dinesh] Should we plan a stable release before/on kube con ? If so what should we target for the release

Action items

- ☐ Tyler – issue to track versioning and compatibility guarantees

Jun 13, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Przemek Delewski (SumoLogic)
- Aaron Clawson (Lightstep)
- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Dinesh Gurumurthy (Datadog)

Agenda

- [Przemek] [Issues are incorrectly tagged with instrgen](#)
- [Przemek] Utilizing toolexec switch ([skywalking-go doing that already](#))
- [Dinesh] Sample app
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/195>
- [Dinesh] explore go-auto instrumentation without OTEL_GO_AUTO_TARGET_EXE using <https://github.com/google/gops>
- [Dinesh] Organize getting started folder
- [Tyler] Any update on [Add net/http client instrumentor?](#)
- [Tyler] Out next week.

Action items

- ☐ [Tyler] Fix the contrib issue templates
- ☐ [Tyler] Merge: <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3675>
- ☐ [Dinesh] Create issues:
 - ☐ Refactor getting started
 - ☐ Deploying as a single process
 - ☐ Deployment model? Helm chart?

Jun 6, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Mike Goldsmith (Honeycomb)
- Tyler Yahn (Splunk)
- Eden Federman (Keyval)
- Mike Dame (Google)
- Jamie Danielson (Honeycomb)

Notes

- [Tyler] Open [PRs](#)

Action items

- ☐ Mike to follow up on [#155](#)
 - [Autoinstrumentation-go](#) image name is used in Docker, keep that
 - Use :local tag for Makefile local testing and CI



May 30, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Przemek Delewski (SumoLogic)
- Eden Federman (Keyval)

Agenda

- [Tyler] Open [PRs](#)

Action items

May 23, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Jamie Danielson (Honeycomb)
- Eden Federman (Keyval)
- Mike Goldsmith (Honeycomb)

Agenda

- [Mike G] HTTP propagation PRs, net/http server propagation ready for review, client propagation waiting on server PR to merge so tests can be updated
 - Server propagation
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/92>
 - Client propagation
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/91>
 - Once both are merged, we can start on consolidating the 3 HTTP probes into a single probe which includes the propagation work for gorilla & gin too
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/101>
- [Eden] Fix context propagation across goroutines:
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/118>

Action items



May 16, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Mike Dame (Google)
- Mike Goldsmith (Honeycomb)
- Jamie Danielson (Honeycomb)
- Eden Federman (Keyval)
- Przemek Delewski (SumoLogic)
- Tyler Helmuth (Honeycomb)
- Robert Pająk (Splunk)

Agenda

- [Mike G] Add alternative SIG weekly meeting at more friendly Europe timing (eg 2pm UTC)
 - AI [tyler]: Add another meeting on the current off-weeks at 2pm UTC
- [Tyler H] What are good default resource requests/limits for the sidecar:
<https://github.com/open-telemetry/opentelemetry-operator/pull/1737/files#r1192471710>
- [PD] instrgen - 4 PRs in contrib repo
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3675>
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3676>
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3706>
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3816>
- [PD] instrgen - configurability
- [jamie] e2e [test PR](#)
- [Tyler Y] What do we need to accomplish to make a beta release?
 - Semantic convention compliance
 - Fix HTTP span names
 - Missing attributes for HTTP
 - Instrumentation libraries?
 - Nice to have: DB
 - Context propagation
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/118>
- [Tyler Y] What are the long-term stability goals of the project?
 - Stability relies on stability of semconv
 - Extended period of use
 - Test metrics for systems of support.
 - ARM
 - Multiple versions of Go
 - Performance testing
 - Define minimum version of Go supported

Action items

- ☑ Beta project board: <https://github.com/orgs/open-telemetry/projects/50/views/1>

May 2, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Aaron Clawson (Lightstep)
- Mike Goldsmith (Honeycomb)
- Mike Dame (Google)
- Dinesh Gurumurthy (Datadog)
- Eden Federman (Keyval)
- Jamie Danielson (Honeycomb)
- Tyler Helmuth (Honeycomb)

Agenda:

- [Tyler H] Do a 0.1.1-alpha release?
 - (AI: Tyler) Planning v0.2.0-alpha today
- [Jamie/Mike] HTTP PRs from oxeye-gal - conflicts with ARM PR
 - Ideal to merge oxeye-gal first, but if not available... do we help?
 - merged ARM, we'll offer to branch with rebases
- [Jamie] go <1.17 support?
 - May be trivial to add this support; it's included in the eBPF PR because this is being looked at. If it becomes a bigger issue we can consider revisiting. If we do support them, we need to document compatibility and test compatibility matrix.
 - A major benefit includes a broader adoption
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/26>
- [Eden] Change eBPF maps access functions ([#118](#))
 - End timestamp is recorded with a key in context: for <1.17 the key is context, for go >=1.17 the key is the goroutine address
 - Ebpf maps are used to avoid inconsistencies that may happen if multiple goroutines are involved; maps allow for context propagation that may happen across multiple goroutines
- [Eden] Add OTEL_GO_AUTO_SHOW_VERIFIER_LOG env var ([#128](#))

Apr 18, 2023 | 📅 Go Auto-Instr SIG

Attendees:

- Tyler Yahn (Splunk)
- Tyler Helmuth (Honeycomb)
- Przemek Delewski (SumoLogic)
- Aaron Clawson (Lightstep)
- Eden Federman (Keyval)

- Jamie Danielson (Honeycomb)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)

Agenda:

- Release v0.1.0-alpha
 - Docker image follow up
 - AI [Tyler Y]: ping tigran
- [Reformat offsets_result.json for brevity and better human visibility](#)
- [\[chore\] Add verify-licenses to workflow](#)
- Instrgen:
 - [Tests reordering, be more precise and report file name of failing ins...](#)
 - [Func literal instrumentation fix](#)
 - [Instrgen gencode sema validation](#)
- PRs to be moved / reopened from keyval repo
 - [Adding net/http client instrumentor](#)
 - [Adding context propagation to net/http server instrumentation](#)
- Testing
 - Is the trace/span id e2e test working as expected?
 - looking at the [traces.json output](#) and the [comment](#) that says “if traceId/spanId are set, change them to xxxxx (if they are empty we should see that in the output, because something is probably not right)”
 - it seems like this is showing an empty spanId instead of the “xxxxx” as seen in the previous span, which would indicate a problem?
 - This was a bug that we didn’t track down. It should be looked into because it is incorrect behavior.
- Example app
 - Emojivoto uses keyval agent and launcher
 - Okay to submit a new example?
- [gRPC CreateHeaderFields probe fails with permission denied](#)

Action items



Apr 4, 2023 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Przemek Delewski (SumoLogic)
- Tyler Helmuth (Honeycomb)
- Tyler Yahn (Splunk)
- Eden Federman (Keyval)
- Mike Dame (Google)

- Dinesh Gurumurthy(Datadog)
- Aaron Clawson (Lightstep)

Agenda

- Instrgen merged, what are the next steps?
 - opened 2 new PRs in contrib [PD] should these PRs be labeled somehow
 - Different exporters support. Currently traces are exported to file. [PD]
 - Http instrumentation and other libraries with context propagation [PD]
 - Configurability. Instrumentation of selected functions/types/... [PD]
 - AST validity [PD]
- [\[auto\] Update generated offsets](#)
- [Allocate memory without launcher](#)
 - Needed for a v0.1.0-alpha
- [Reformat offsets_result.json for brevity and better human visibility](#)
- Is /sys/kernel/debug mount needed/recommended for production implementations
 - This was initially added for debugging the instrumentation
 - Possibly used to share a map across ops
 - Remove and see if it works
 - Printk will fail, but that isn't going to be a blocker as it is used for debugging
- Tried to reproduce [Trace and Span IDs not being updated](#) (without success) [PD]

Action items

- ☐ [Tyler Y] look into perms for adding labels to PRs/Issue
 - Create issue templates for instrgen: <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3678>
- ☒ [Tyler Y] ~~Look into having the go-instrumentation-approvers team added as reviewers to instrgen PRs.~~
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3677>
- ☒ [Tyler Y] ~~Mike needs to be added to the approvers~~
 - <https://github.com/open-telemetry/community/issues/1409>
- ☒ [Tyler H] ~~Add workflow to check licenses~~
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/68>
- ☒ [Tyler Y] ~~Create an issue to track the release~~
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/66>

Mar 21, 2023 | 📁 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy(Datadog)

- Przemek Delewski (SumoLogic)
- Mike Dame (Google)
- Tyler Helmuth (Honeycomb)

Agenda

- Review still needed: [Add instrgen implementation](#)
 - Tyler and Dinesh are committing to reviewing before the next meeting.
- [Fix net/http instrumentation for register-based ABI](#)
- [Example K8s-grafana deployment](#)
- [\[auto\] Update generated offsets](#)
- [Allocate memory without launcher](#)
- [Distribute Licenses and Notices](#)
- [Trace ID and Span ID are not being updated](#) [PD] - plan to look into it

Action items



Mar 7, 2023 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Eden Federnan (Keyval)
- Nikola Grcevski (Grafana Labs)
- Dinesh Gurumurthy (Datadog)

Agenda

- [Tyler Helmuth] I cannot attend, but would love acceptance from the SIG for it to start publishing an image and image name discussion for <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/33>
- [Nikola Grcevski (Grafana)] Newcomer question, differences between open-telemetry/opentelemetry-go-instrumentation and keyval-dev/opentelemetry-go-instrumentation.
- [Przemek Delewski] Cannot attend, I updated readme with usage section <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3108> Can we somehow move forward with it?

Action items

Feb 21, 2023 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Aaron Clawson (Lightstep)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)
- Przemek Delewski (SumoLogic)

Agenda

- Review still needed: [Add instrgen implementation](#)

Action items



Feb 7, 2023 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Aaron Clawson (Lightstep)
- Mike Dame (Google)
- Eden Federman (Keyval)
- Dinesh Gurumurthy (Datadog)
- Przemek Delewski (SumoLogic)

Agenda

- [Replace bpf_ktime_get_boot_ns calls](#)
- [Update offset_results.json](#)
- [Add offsets-tracker code](#)
- Review still needed: [Add instrgen implementation](#)
- New memory allocation model: still WIP

Action items



Jan 24, 2023 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Eden Federman (Keyval)
- Przemek Delewski (SumoLogic)
- Tyler Yahn (Splunk)
- Alex Ciminian (Datadog)
- Dinesh Gurumurthy (Datadog)

- Kemal Akkoyun (Polar Signals)
- Mike Dame (Google)
- Aaron Clawson (Lightstep)

Agenda

- [Eden] Issues found from looking into [#17](#)
 - offset_results.json not updated automatically (missing support for Go 1.19.2+)
 - Importance of choosing stable functions for instrumentations: [gRPC example](#)
 - bpf_ktime_get_boot_ns() requires high kernel version
 - Notes from walkthrough:
 - Offsets can be found using: <https://github.com/keyval-dev/offsets-tracker>
 - As versions of go and instrumented libraries change how do document supported versions and only allow compatible versions?
 -
- [Eden] Working on a better solution to replace the launcher workaround
- [Przemek] Any updates on reviewing ?
<https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3108>
 - [DG] to review
- 2nd hand reports of some github pages with 404/500 errors.
 - Please submit an issue, or add here to discuss.

Action items

- ☐ [Eden] explore .gopclntab
- ☒ [Tyler] ~~Create issue to track documenting version compatibility~~
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/26>
- ☐ [Tyler] Create issue to explore how we can remain backwards compatible when using unstable function names in libraries to instrument those functions.
- ☐ Document minimal kernel version we plan to support in a GA with comment that future releases may include more support for prior versions.
- ☐ [Eden] We need testing to ensure no-breaking changes across kernel versions
- ☐ [Eden] Need an issue to start using bpf_ktime_get_ns instead to support older kernel versions
- ☐ [Eden] to create a PR for migrating the offset-tracker.

Jan 10, 2023 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Przemek Delewski (SumoLogic)
- Tyler Yahn (Splunk)
- Aaron Clawson (Lightstep)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)

Agenda

- [przemek] instrgen implementation
<https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3108>
- [przemek] go-contrib approver
(<https://github.com/open-telemetry/community/issues/1324>)
- [DG] Status on
<https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/17>

Action items

- ☐ [Dinesh] Reach out to Eden about a code review for the next SIG mleeeting.

Dec 13, 2022 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Aaron Clawson (Lightstep)
- Przemek Delewski (SumoLogic)
- Eden Federman (Keyval)
- Dinesh Gurumurthy (Datadog)

Agenda:

- [edenfed] working on fixing [#17](#) reported by Dinesh
- [edenfed] still working on the launcher PR
- [przemek] <https://github.com/open-telemetry/opentelemetry-go-contrib/pull/3068>
- [przemek] cleaning autotel (source-based instrumentation) code and preparing for PR
- [Aaron] Should we have a meeting on Dec 27?
 - None of the Attendees can commit. Will cancel the 27th meeting.

Nov 29, 2022 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Aaron Clawson (Lightstep)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)
- Eden Federman (Keyval)
- Przemek Delewski (SumoLogic)

Agenda:

- [damemi] merging generated bpf2go files
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/16>
- [damemi] adding launcher from @edeNfed
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/issues/17>
 -
- [Przemek] [Ownership model](#) follow-up

Nov 15, 2022 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Robert Pająk (Splunk)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)
- Eden Federman (keyval)
- Przemek Delewski (SumoLogic)

Agenda:

- [Eden] Merging eBPF based auto instrumentation PR
- [Dinesh] What is Status of Source code auto-inst
- [Robert] Legals update

Action items:

- [Eden] Merge PR
- [Przemek] Present source based instrumentation on Go SIG meeting
- Next road map items after PR merge:
 - [Dinesh] Setup CI/CD via GitHub actions
 - [Eden] Improve documentation
 - Run on OTel demo app
 - POC e2e testing:
 - For an example application
 - for multiple versions of libraries
 - Add more instrumentation for popular libraries

Nov 1, 2022 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)

Agenda:

- [Dinesh]
 - Discuss about [offset tracker](#)

- [AI]: Review and suggest ways to break up eBPF Pr
- [AI]: Source code auto-inst: get a PR to assign ownership.

Oct 18, 2022 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Eden Federman (keyval)
- Przemek Delewski (SumoLogic)
- Mike Dame (Google)

Agenda:

- [Dinesh] Follow up from how does How does ebpf solution differ from <https://github.com/open-telemetry/opentelemetry-ebpf>
 - From Eden Federman (keyval)
 - They collect different data - opentelemetry-ebpf tracks kernel events in order to collect metrics about the operating system, tcp stack, etc. You can see an example of the metrics they collect here
 - The Go auto instrumentation collects the same data as other language instrumentations (like Java) but for Go. Basically, creating traces and metrics for Go stdlib + popular open source libraries, see example trace
 - They use eBPF differently - eBPF is a broad technology, it contains many features and can be usedx` in many ways. The first project uses kprobes - which is the ability to hook eBPF into any kernel activity, while the Go project uses uprobes - which let you track userspace applications. They are also written in different programming language (C++ vs Go). In general, their overall logic is different., I can't really think of a piece of code that can be shared between these two projects.
 - My thoughts:
 - https://github.com/iovisor/bpfftrace/blob/master/images/bpfftrace_probes_2018.png
 - Using ebpf for go instrumentation makes sense as it is using uprobe.
 - Instrumentation grpc with kprobe is hard, that is the advantage of using this auto instrumentation.
 - [AI: Tyler] Might we worth suggesting to rename the opentelemetry-ebpf repo to something like opentelemetry-kernel-collector
- [tyler] [Contrib ownership policy proposal](#)
- [Eden] Discuss next steps for eBPF based instrumentation
 - [AI: Eden] <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/4> needs to be updated
 - Can we break this into smaller chunks?

- Might need to look at what stanza did
 - Can we add lib instrumentation one-by-one?
 - Reviews can be based on using the code and checking instrumentation performance and accuracy.
- Attribution
 - Licensing needs to be updated
- Vanity URL
- Merge speed needs to be fast to avoid duplicate efforts upstream.
- [AI: Tyler] Project needs a README and CONTRIBUTING docs
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/8>
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/10>
- [AI: Tyler] Project CODEOWNERS
 - <https://github.com/open-telemetry/opentelemetry-go-instrumentation/pull/9>
- [AI: Tyler] Reviewers need to be defined for the PR / Project

Oct 4, 2022 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Przemek Delewski (SumoLogic)
- Dinesh Gurumurthy (Datadog)
- Mike Dame (Google)
- Robert Pająk (Splunk)

Agenda

- [tyler] Update from the Go SIG on hosting the source code modification in contrib
 - Ownership model needed
 - <https://github.com/open-telemetry/opentelemetry-go-contrib/issues/2834>
 - Will there be enough contributors?
- [Dinesh] How does ebpF solution differ from <https://github.com/open-telemetry/opentelemetry-ebpf>
 - We need to have a clear understanding of scope for both projects here.
 -
- [Przemek] Current status of <https://github.com/SumoLogic-Labs/autotel>
 - Work on idempotency
 - Bug fixes

Notes

-

Action items



Sep 20, 2022 | 📅 OpenTelemetry Go Auto-Instrumentation SIG

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Robert Pająk (Splunk)
- Eden Federman (keyval)
- Mike Dame (Google)
- Przemek Delewski (Sumologic)

Agenda:

1. Demo [compile time automatic instrumentation](#)
2. Demo [Runtime automatic instrumentation](#)
3. Discuss MVP for the first project.
 - a. Create an action item to capture decision

Notes

- Demo [compile time automatic instrumentation](#):
 - Source code modification
 - Traverses the AST
 - Current proposal requires some point in the source code that signifies where the instrumentation entry point is.
 - Run a CLI to auto instrument code
 - Builds a call graph
 - Instruments each function with a span
 - Adds a context as a parameter.
 - PoC does not check if a function is already instrumented.
 - Instrumentation libraries can be supported.
 - Trade-offs
 - Need access to source code.
 - Depends on the Go stdlib.
 - Idempotent?
 - Currently, no.
 - Still testing on large code-base
 - Looking at instrumenting the collector, but still a work in process
- Demo [Runtime automatic instrumentation](#)
 - Emojivoto demo
 - Apply kube configs and you are up and running
 - Low overhead on existing architecture
 - Overview of eBPF

- Trade-offs:
 - Requires Linux
 - Does not require debug symbols
 -
- MVP discussion
 -

Action items

- ☐ [Tyler] Open issue with project structure proposal.
 - ☐ eBPF in auto-repo (need vanity URL)
 - ☐ Source code modification in contrib.
 - ☐ How will ownership be tackled.

Sep 6, 2022 |

📅 OpenTelemetry Go Auto-Instrumentation Kick Off

Attendees:

- Tyler Yahn (Splunk)
- Dinesh Gurumurthy (Datadog)
- Robert Pająk (Splunk)
- Michal Zajac (Splunk)
- Eden Federman (Keyval)
- Ari Recht (Keyval)
- Przemek Delewski (Sumologic)
- Mike Dame (Google)
- David Ashpole (Google)
- Josh MacDonald (Lightstep)

Agenda:

1. (Tyler) Administrative:
 - a. When should we have SIG meetings?
 - i. Bi-weekly
 - ii. Next meeting the 20th of Sep.
 - b. Repository name, opentelemetry-go-instrumentation, is this okay for all?
 - i. This is from OTel precedent
 - c. Teams: maintainers and approvers.
2. (Tyler) Project readme needed
3. (Tyler) Missing [issues](#)?
4. (Eden) What this SIG is going to work on? (copied from jmacd's technical committee response to the donations)
 - a. [Runtime automatic instrumentation](#)
 - b. [Compile time automatic instrumentation](#)

- c. Automatic Go OpenTelemetry SDK configuration
- d. Better integration between Go built-in diagnostic features (like pprof) and OpenTelemetry SDK
- e. (Runtime metrics: To be discussed in this week's Go SIG. -jmacd)

Notes

- The runtime eBPF filter and compile time code annotation are complimentary.
- We have two main project: eBPF, and compile annotation
 - We need 3+ people to work on a project all from different companies
- Next SIG meeting:
 - Demo both approaches
 - Get a limitation of both approaches
 - Get an understanding of the benefits of both
- We should consider the “auto” configuration of the SDK out of the initial scope of this project.
- We need to communicate what is being done on user behalf so they know about legal implications about licensing.

Action items

- ☒ ~~Setup SIG meeting.~~
 - ☒ ~~Agenda: demo, discussion on MVP, next steps.~~
 - ☒ New Doc request: <https://github.com/open-telemetry/community/issues/1160>
- ☐ Future SIG meeting decide on maintainer and approvers