[OpenTelemetry Browser SIG (Phase 1)

Project file:

https://github.com/open-telemetry/community/blob/main/projects/browser-phase-1.md

Project Board: https://github.com/orgs/open-telemetry/projects/146

Slack: #otel-browser

Zoom: https://zoom.us/j/93328252364?pwd=6g2pihXmPFmdFfmbFw7Vu4zb3dEOQv.1

Nov 6, 2025

Attendees:

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Agenda:

[Trask] Invitation to join Semantic Convention SIG meeting Monday, Nov 17 to discuss confusion between app.* namespace and Kubernetes app.*
 https://kubernetes.io/docs/concepts/overview/working-with-objects/common-labels/#labels

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Oct 30, 2025

Attendees:

- Ted Young (Grafana Labs)
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Daniel Dyla (Dynatrace)
- Martin Kuba (Grafana Labs)
- Wolfgang Therrien (Honeycomb.io)
- Dan Gomez Blanco (New Relic)
- Elliot Kirk (Grafana Labs)
- Abinet Debele (Cisco)
- David Luna (Elastic)

- [Joaquin] https://github.com/open-telemetry/semantic-conventions/pull/2992
 - Adding a specific event for clicks instead of a generic user action event
 - Add triage accepted label?
 - Should we extend app.widget.click?

- Should we use CSS selectors instead of XPath?
- [Joaquin] Unit testing framework
 - Using vitest with jsdom here https://github.com/open-telemetry/opentelemetry-browser/pull/35
 - o vitest-browser?
 - If not, web-test-runner + mocha + chai?
 - Should we run against headless browsers for all tests or only when using specific APIs?
 - Set up vitest browser
- [Martin] Documenting use cases for the navigation event
 - o https://github.com/open-telemetry/opentelemetry-browser/pull/41
- [Ted] Quick review of open semconv issues tagged with browser:
 - https://github.com/open-telemetry/semantic-conventions/issues?q=state%3Aope n%20label%3Aarea%3Abrowser

Oct 23, 2025

Attendees:

- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Daniel Dyla (Dynatrace)
- Benoit Zugmeyer (Datadog)
- Elliot Kirk (Grafana)
- Martin Kuba (Grafana Labs)
- Wolfgang Therrien (Honeycomb.io)
- Ted Young (Grafana Labs)
- Dan Gomez Blanco (New Relic)

Agenda:

- [Jared] Env update: committint, turbopack with generator
 - https://github.com/open-telemetry/opentelemetry-browser/pull/33

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[Joaquin]: what do we need to get this merged?

https://github.com/open-telemetry/semantic-conventions/pull/1941/files

- https://github.com/open-telemetry/semantic-conventions/pull/1941/files#diff-598f0
 9e12c90588aa2159ed6ace40364f41262815f09743455e233938fa2eecaR72
- https://github.com/open-telemetry/semantic-conventions/pull/1941/files#diff-598f0
 9e12c90588aa2159ed6ace40364f41262815f09743455e233938fa2eecaR125
- https://github.com/open-telemetry/semantic-conventions/pull/1941/files#diff-598f0
 9e12c90588aa2159ed6ace40364f41262815f09743455e233938fa2eecaR146
- [Jared] bundler support
 - https://github.com/open-telemetry/opentelemetry-browser/issues/10

- [Ted] Browser observability model:
 - https://github.com/open-telemetry/opentelemetry-browser/issues/7
 - https://github.com/open-telemetry/opentelemetry-browser/blob/main/docs/browser-blob/main/docs/browser

Oct 16, 2025

Attendees:

- Daniel Dyla
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- David Luna (Elastic)
- Surbhi A (Cisco)

Agenda:

- [Surbhi A] Discuss standalone event VS individual timestamp attributes in original HTTP span for HTTP network phase breakdown metrics as discussed in this issue, in an attempt to unify the semantic conventions across browser and mobile https://github.com/open-telemetry/semantic-conventions/issues/2827
 - Drawback with standalone event is that all original HTTP span attributes (like http.request.method, http.response.status_code etc) which are needed for filtering metrics later (an important use case) are not available on this event and even if they were to be made available, it would mean replicating a lot of the original span data on this event.
 - I want to propose individual timestamp attributes in original HTTP span, it does mean that the span has to wait for sometime until all the asynchronous callbacks are done so all those timestamps can be included in the span but this helps in the following ways:
 - Unifying semantics across browser and mobile
 - Having all attributes that are needed for filtering on top of the aggregated metrics.
 - Backends don't have to correlate between the original HTTP span and this event.
 - Per request level data is available.
 - [Action Item]: start a thread in slack to continue the conversation
 - [Joaquin]: to me it makes sense to be consistent with other client SDKs
- [Jared] Who will be submitting instrumentation to otel-browser?
 - [Joaquin] Start with a simple one so we have a sample to follow up for other instrumentations like user action, first we need this merged https://github.com/open-telemetry/semantic-conventions/pull/1941

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Oct 9, 2025

Attendees:

- Ted Young (Grafana)
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- David Luna (Elastic)
- Wolfgang Therrien (Honeycomb)
- Martin Kuba (Grafana Labs)
- Abinet Debele(Cisco)
- Benoit Zugmeyer (Datadog)
- Kareem Cambridge (Capital One)
- Hector Hernandez (Microsoft)

- [david] Bundler support issue
 - https://github.com/open-telemetry/opentelemetry-browser/issues/10
 - Feel free to add comments :
- [Joaquin] Widely available browser features vs Browser market share
 - Does it make sense to miss out features from Chrome when ~70% of users are on Chrome?
 - Yes, let's not omit useful information just because is only available in a certain browser but let's be careful when dealing with these APIs to not break the SDK in run time. I.e. a global API that is only available in a browser
- [Jared] Added tooling with Bun and Biome:
 - https://github.com/open-telemetry/opentelemetry-browser/pull/8
 - No need for discussion during the meeting
 - Bundler support: https://github.com/open-telemetry/opentelemetry-browser/issues/10
- [Wolfgang] Admin- I cant be assigned issues? Who can help?
- [Ted] Combine entities prototype with session manager prototype?
 - session manager was just merged https://github.com/open-telemetry/opentelemetry-js/pull/5173
- [Abinet] Review for <u>https://github.com/open-telemetry/opentelemetry-js-contrib/pull/3148</u> (Navigation event instrumentation)
- [Kareem] Intro and guidance on current status and where help is needed

Oct 2, 2025

Attendees:

- David Luna (Elastic)
- Ted Young (Grafana)
- Benoit Zugmeyer (Datadog)
- Karlie L (Microsoft)

Agenda:

- [david] raised in JS SIG
 - We have recently seen issues about bundlers like this one.
 - What bundlers (and versions) should we support?
 - Action: David to open an issue in https://github.com/open-telemetry/opentelemetry-browser/ and have the discussion there.
 - Ideas:
 - Decide which bundler features we want to support and get the list from there

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Sep 25, 2025

Attendees:

- Joaquin Diaz (Embrace)
- Jared Freeze (Embrace)
- Martin Kuba (Grafana Labs)
- Wolfgang Therrien (Honeycomb)
- David Luna (Elastic)
- Abinet Debele(Cisco)
- Ted Young (Grafana Labs)
- Hector Hernandez (Microsoft)
- Karlie L (Microsoft)

- [martin] Navigation event semantic conventions
 - https://github.com/open-telemetry/semantic-conventions/pull/2806
 - alternative proposal to the <u>page view event</u>
 - reasoning
 - navigation is a low-level "objective" event, while page view is up for interpretation (derived event)

- use cases: hard navigation, same-document navigation (any URL change), soft navigation (SPA route change), logical view of content (may not have URL change)
- We need an event that represents hard page load, captured before any content is displayed to the user. Page view implies user seeing content, especially if we expand the definition of page view to be a logical page view (e.g. user was presented with some content without navigation).
- We can still introduce a page view event, but it may have a different meaning.
- more details in this issue
 https://github.com/open-telemetry/opentelemetry-browser/issues/3
- Action item: update the page view PR
 https://github.com/open-telemetry/opentelemetry-js-contrib/pull/2386
- [karlie] User action semantic conventions
 - https://github.com/open-telemetry/semantic-conventions/pull/1941
 - The comment
 https://github.com/open-telemetry/semantic-conventions/pull/1941#discussion_r2
 163793425
 and
 https://github.com/open-telemetry/semantic-conventions/pull/1941/files#r2163786
 665
 mentioned that type/tag_name might be attributes, do we want to change it to attributes or keep it as it is? (since they are under development and we can always change it later)
- [Ted] New entities proposal
 - https://github.com/open-telemetry/opentelemetry-specification/pull/4665
 - I hate it
 - But mutable resources are concerning to sdk implementors

Sep 18, 2025

Attendees:

- Santosh Cheler (Splunk)
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Martin Kuba (Grafana Labs)
- David Luna (Elastic)
- Dan Gomez Blanco (New Relic)
- Abinet Debele(Cisco)
- Benoit Zugmeyer (Datadog)

Agenda:

• [Santosh] too many longtask events; Should we consider modeling it as a metric, simulated using Events API?

- [Joaquin] Initial browser observability model for events
 - https://github.com/open-telemetry/opentelemetry-browser/pull/6
- [martin] Page view discussion in issue
 - https://github.com/open-telemetry/opentelemetry-browser/issues/3
- [Jared] Add nx, select package manager for repo
- [Dan] Discontinuing Client-Side Instrumentation project and allowing client-side SIG to focus on cross-cutting aspects
 - https://github.com/open-telemetry/community/pull/2993

Sep 11, 2025

Attendees:

- Ted Young [Grafana Labs]
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Martin Kuba (Grafana Labs)
- Abinet Debele (Cisco)
- Wolfgang Therrien (Honeycomb)
- Benoit Zugmeyer (Datadog)
- Daniel Dyla
- Hector Hernandez (Microsoft)

- [martin] Page view semantic conventions
 - Discussion about separating soft navigation into a different events
 - o slack thread
 - arguments for separating
 - instrumentation for soft navigation will be complex
 - soft navigation concept is not standardized the instrumentation will likely be experimental longer
 - soft navigation will probably have more attributes than just the URL (do we want an event where some attributes are applicable based on type?)
 - "soft navigation" is a more precise (technical) term, while page view is a user-centric term
 - o arguments against
 - users would have to look at two different events when analyzing number of page views
- [Joaquin] [Only if we have time if not we can discuss on PR] Page load event
 - Definition: The event represents the page load phase, from navigation start until Largest Contentful Paint (LCP).
 - Possible attributes (draft):

- browser.page_load.navigation_start_time: Unix timestamp in milliseconds when navigation started
- browser.page_load.duration: Total page load duration from navigation start until Largest Contentful Paint (LCP) in milliseconds
- browser.page_load.first_paint_time: Time in milliseconds relative to browser.page_load.navigation_start_time when first paint event occurs
- browser.page_load.first_contentful_paint_time: Time in milliseconds relative to browser.page_load.navigation_start_time when First Contentful Paint (FCP) event occurs
- browser.page_load.resource_count: Total number of resource requests initiated during the page load.
- browser.page_load.blocking_resource_count: number of resources that blocked rendering before LCP
- browser.page_load.cached_resource_count: number of resources served from browser cache
- browser.page_load.transfer_size: total number of bytes transferred over the network for all resources requested during the page load
- [ted] Using resources/entities to store page info?

Sep 4, 2025

Attendees:

- Ted Young [Grafana Labs]
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- David Luna (Elastic)
- Trent Mick (Elastic)
- Maryam Saeidi (Elastic)
- Martin Kuba (Grafana Labs)
- Wolfgang Therrien (Honeycomb)
- Benoit Zugmeyer (Datadog)
- Dan Gomez Blanco (New Relic)
- Karlie L (Microsoft)

- [Ted] If you haven't become a github org member yet, here's how to do it:
 - Ask two existing members to be your sponsors
 - Fill out a membership request: https://github.com/open-telemetry/community/issues/new?template=membership.

 md
- [martin] Page view semantic conventions
 - https://github.com/open-telemetry/semantic-conventions/pull/1910

- Pending questions:
 - rename the event to browser.page.view?
 - Is an attribute for page title useful?
 - state_change attribute
 - What is it for? the effect it had on history stack or what API was used to change the URL?
 - Is it useful?
 - If related to history, I think we should use better name, something like history_entry_change
 - Would it make more sense to use navigation namespace than page_view? So, something like "browser.navigation.history_entry_change"
 - page view.type attribute
 - rename to navigation.type?
- [david] Issue https://github.com/open-telemetry/opentelemetry-js/issues/5724
 - Review the Log API for browser-related issues
- [Joaquin] Help creating a semconv PR
- [Ted] Github repo for browser?
 - o Opentelemetry-browser?
 - Who wants to be maintainer/approver?
 - Joaquin and Jared
 - Martin (open to maintainer)
 - Karlie (approver)
 - David (open to maintainer)
- [Ted] What additional semconv and instrumentation issues can we create?
- [Karlie] need to reopen PR
 https://github.com/open-telemetry/semantic-conventions/pull/1943

Aug 28, 2025

Attendees:

- Martin Kuba (Grafana Labs)
- David Luna (Elastic)
- Maryam Saeidi (Elastic)
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Wolfgang Therrien (Honeycomb)
- Abinet Debele (Cisco)
- Carlos Cortez
- Benoit Zugmeyer (Datadog)
- Egor Vorotnikov (Datadog)

- [Jared] OpenTelemetry Web Repository Separation
 - Objective: Decide on a new repo or not
 - Homework: read and please leave comments or start conversations in Slack
- [martin] Board review
- Abinet, can we finalize semconv for page view event, https://github.com/open-telemetry/semantic-conventions/pull/1910, Suggested changes {
- eventName: 'browser.page_view',
- attributes: { //moved from body
- url.full // from url,
- refererer,
- type: 0/1 to hard/soft or page load/route change
- state_change // from change_state , pushState or replaceState
- title —> remove
- }
- body: {
- }
- •
- action item: please review data model docs
 - Real User Monitoring (RUM) Use Cases
 - o telemetry data model proposal this doc
- action review: please review Session manager prototype before it's merged
 - https://github.com/open-telemetry/opentelemetry-js/pull/5173

Aug 21, 2025

Attendees:

- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Thomas Hunter II (Datadog)
- David Luna (Elastic)
- Maryam Saeidi (Elastic)
- Marc Pichler (Dynatrace)
- Wolfgang Therrien (Honeycomb)
- Martin Kuba (Grafana Labs)
- Purvi Kanal (Honeycomb)
- Benoit Zugmeyer (Datadog)

- - Objective -> Agree on an initial set of data we want to collect so we can break it down to work on the data model

- Homework: read the document offline and come next week ready to discuss
- [Joaquin] Talk about the possibility of having a new repo
 - What do we do with the existing code?
 - Versioning How do we solve this across multiple repos?
 - Npm package publishing
- [Thomas] Websockets proposal from Datadog preliminary questions

Aug 14, 2025

Attendees:

- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Arriana Blais (Honeycomb)
- Ted Young (Grafana Labs)
- Maryam Saeidi (Elastic)
- Daniel Dyla
- Carlos Cortez
- Benoit Zugmeyer (Datadog)
- Trent Mick (Elastic)
- Karlie L (Microsoft)

- [Joaquin] Browser Observability Model
 - o [martin] I also shared this doc a few weeks ago
 - [martin] I want to highlight the following
 - we should not generate metrics in client SDKs directly, ok in the backend from events
 - the Client Instrumentation SIG has discussed this and is planning to document this in the web site documentation (see this PR)
 - does it make sense to generate spans from resource timing data?
- [Jared] Intended browser support
 - I propose providing code that is Baseline Widely available
 https://developer.mozilla.org/en-US/docs/Glossary/Baseline/Compatibility#baseline
 e_badges
- [dan] (related to above) https://github.com/open-telemetry/opentelemetry-js/pull/5807
 - PR adds support for fetch
 - OK to drop XHR support in http exporters in order to avoid ever-growing modules?
 - Fetch included in baseline widely available
 - Service workers, node 18+ have fetch support but no XHR or beacon
- [benoit] Associate Browser telemetry with a "page_view.id" similar to <u>"session.id"</u>?
- [Jared] should this meeting be longer? More chat on slack instead?

Aug 7, 2025

Attendees:

- Martin Kuba will not attend, out of office
- Arriana Blais (honeycomb)
- Ram Thiru Will have to skip this due to conflict. Comments on questions below.
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Daniel Dyla
- Thomas Hunter II (Datadog)
- Dan Gomez Blanco (New Relic)

Agenda:

- [martin] Request for feedback on the Page View event semconv PR
 - https://github.com/open-telemetry/semantic-conventions/pull/1910
 - please add comments on the PR
 - questions
 - use human-readable values for type instead of 0 and 1? If so, which ones? [Ram] See comments

Options I can think of

- hard / soft
- page_load / route_change
- physical page / virtual page
- I renamed the change_state field to state_change. I am also inclined to update the values to "push" and "replace"; pushState/replaceState was confusing to me as it mirrors the history function names rather than just what happens to the state. Any objections?
- the page title field could have PII data. Per a comment on the PR, the field may not be that useful. Should we remove it for now?
- [Ted] Let's get the semconv backlog set up for success!
 - Consolidate namespace UA & Browser namespace
 - https://github.com/open-telemetry/semantic-conventions/issues/2385
 - What info should we have in each semconv issue?
 - PageLoadSpan
 - FetchTiming
 - Exceptions
 - XHR

Jul 31, 2025

Attendees:

Martin Kuba (Grafana Labs)

- Arriana Blais (Honeycomb)
- Benoit Zugmeyer (Datadog)
- Santosh Cheler (Cisco Splunk)
- Antoine Toulme (Cisco Splunk)
- Dan Gomez Blanco (New Relic)
- Jordan Porter (New Relic)
- Ted Young (Grafana Labs)
- Daniel Dyla
- Jared Freeze (Embrace)
- Hector Hernandez (Microsoft)
- Karlie L (Microsoft)
- Purvi Kanal (Honeycomb)

- [martin] Page view event semantic conventions
 - https://github.com/open-telemetry/semantic-conventions/pull/1910
 - Looking for consensus about the proposed approach
 - Two events page view to track number of views, and navigation timing for timing data
 - Should the page view event be used for soft navigation?
 - Soft navigation are currently not well defined
 - Can be captured by instrumenting framework routers
 - There is a <u>W3C draft</u> and Chrome has experimental implementation
- [martin] Session manager PR
 - o https://github.com/open-telemetry/opentelemetry-js/pull/5173
 - Up-to-date with previous reviews/comments
 - Since it is new to this group, should we take a step back or push this forward?
- [Ted] What's the best way to model our telemetry goals? AKA a combination of what data we plan to emit with our expectations of how it will be used.
- [Ted] Backlog management
 - Seems like we want to change the order of attack
 - Phase 1:
 - Semantic Conventions
 - Sessions & Entities
 - Instrumentation
 - Phase 2:
 - Benchmarking and Analysis
 - API v2.0
 - Unclear:
 - Navigation
 - Anonymous user ids

Jul 24, 2025

Attendees:

- Arriana Blais (Honeycomb)
- David Luna (Elastic)
- Dan Gomez Blanco (New Relic)
- Jared Freeze (Embrace)
- Martin Kuba (Grafana Labs)

Agenda:

- [martin] One of the things we discussed last week was to document events that different vendors collect. There was actually significant effort put into this in the Client Instrumentation SIG a while back, and I want to add it as a context as we are revisiting this discussion. I also wonder if we could use this as a starting point and update rather than start from scratch...
 - Here is a link to the document:
 https://docs.google.com/document/d/1 5MtDy 8uovK3cQEmwrVmFz0ApLQvQG
 sYX4ME9Kl3pq/edit?tab=t.0#heading=h.nbj5nuoe6d1n
 - The outcome of this back then was this spreadsheet which we used to agree on the events and attributes we should capture in OTel:
 - https://docs.google.com/spreadsheets/d/1WEIhp7EX6nOg6eJPg6V5OrIPE8EE-o RD4KoiK 6XBF0/edit?qid=0#qid=0
 - This then got distilled into a few semconv PRs:
 - Page view:
 - https://github.com/open-telemetry/semantic-conventions/pull/1910
 - Navigation timing: https://github.com/open-telemetry/semantic-conventions/pull/1919
 - Resource timing: https://github.com/open-telemetry/semantic-conventions/pull/1943
 - User action: https://github.com/open-telemetry/semantic-conventions/pull/1941
 - Web vitals (merged): https://github.com/open-telemetry/semantic-conventions/pull/1940
- Researching existing implementations
 - Which implementations do we want to look at?
 - What do we want to see?
 - Compare bundle sizes
 - Compare

Jul 17, 2025

Attendees:

- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Purvi Kanal (Honeycomb)
- Trent Mick (Elastic)
- Dan Gomez Blanco (New Relic)
- Jordan Porter (New Relic)
- Martin Kuba (Grafana Labs)
- Benoit Zugmeyer (Datadog)

Agenda:

- [martin] SessionManager prototype already available
 - o https://github.com/open-telemetry/opentelemetry-js/pull/5173
- [15 min][ted] Backlog management: https://github.com/orgs/open-telemetry/projects/146
 - o Sessions
 - EntityProvider prototype
 - Semantic Conventions
 - Design a semantic model for the browser
 - Compare OTel model against existing models
 - API Prototype
 - https://github.com/dyladan/api-2-poc
 - API Test harness
 - Who's interested?
 - [Joaquin] Test Harness Plan
- [purvi] where should this errors instrumentation live
 - https://github.com/open-telemetry/opentelemetry-js-contrib/pull/2751#pullrequestr eview-2972868207

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Jul 10, 2025

Attendees:

- Ted Young (Grafana Labs)
- David Luna (Elastic)
- Daniel Dyla
- Abinet Debele(Cisco)
- Trent Mick (Elastic)
- Jared Freeze (Embrace)
- Joaquin Diaz (Embrace)
- Dan Gomez Blanco (New Relic)

- [dan] What should we do about old browser instrumentations in contrib which are mostly unmaintained?
 - https://github.com/open-telemetry/opentelemetry-js-contrib/pull/2359#issuecomm ent-2985005195
 - o https://github.com/open-telemetry/opentelemetry-is-contrib/pull/2386
 - https://github.com/open-telemetry/opentelemetry-js-contrib/pull/2751#pullrequestr eview-2972868207
- [dan] can a bundler expert please take a look here and advise on what we should do? https://github.com/open-telemetry/opentelemetry-is/pull/5458
- [martin] Browser data model write up
 - https://docs.google.com/document/d/16PbaGoBX66LN3t6DUBTVw8PzsDFT2xv DyFZ3xemhXG8/edit?usp=sharing
 - o please review / comment
- [15 min][ted] Project board walkthrough https://github.com/orxgs/open-telemetry/projects/146

Jul 3, 2025

Attendees:

- Daniel Dyla
- David Luna (Elastic)
- Martin Kuba (Grafana Labs)
- Ted Young (Grafana Labs)
- Joaquin Diaz (Embrace)
- Jared Freeze (Embrace)
- Benoit Zugmeyer (Datadog)
- Trent Mick (Elastic)
- Carlos Cortez
- Ken Rimple (Honeycomb)
- Marc Pichler (Dynatrace)
- Hector Hernandez (Microsoft)
- Justin Rush (New Relic)

- [Ted] Let's get the backlog organized!
- [Jared] New repo?
- [Ted] Archive sandbox-web-js?
 - o https://github.com/open-telemetry/opentelemetry-sandbox-web-js
- [david] Client instrumentations SIG mentioned some semconv PRs for review. Kind reminder
 - https://github.com/open-telemetry/semantic-conventions/pull/1941 (UserAction)

- https://github.com/open-telemetry/semantic-conventions/pull/1943 (Resource Timing)
- https://github.com/open-telemetry/semantic-conventions/pull/1910 (PageView)
- https://github.com/open-telemetry/semantic-conventions/pull/1919 (Navigation Timing)
- [dan] food for thought on API changes https://github.com/dyladan/api-2-poc
- [martin] work in progress
 - https://github.com/open-telemetry/opentelemetry-js-contrib/issues/2372
 - https://github.com/open-telemetry/opentelemetry-js-contrib/issues/2150
 - o https://github.com/open-telemetry/semantic-conventions/pull/1943
 - o https://github.com/open-telemetry/opentelemetry-is-contrib/issues/2358
- Semconv Needed

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