

DevTools frontend startup benchmark

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Motivation

DevTools frontend is the UI part of DevTools that its users interact with. Ensuring good loading performance is part of providing a good user experience. Offering good developer experience is part of Chrome's core mission.

We want to measure the time it takes from user action to open DevTools to complete loading the Console Panel. Only then the user can start getting productive.

The Chrome DevTools team will sponsor tracking this metric on Chrome's infrastructure.

By not having performance tracking for DevTools startup, we risk regressing over time. This is especially important as we are undergoing architectural changes such as [migrating](#) DevTools frontend to a new module system, or future changes to [componentize](#) the UI. These changes happen incrementally, so big jumps or drops in performance are unlikely. Having performance tracking would help us identify these regressions.

So far, we have relied on [manual performance analysis](#) of resource loading, which is not a good replacement for automated tracking of repeated benchmark measurements. The latter would have caught some [recent performance regressions](#) resulting from the modules migration.

Proposal

We propose adding a benchmark to Chrome's performance test infrastructure.

References

[Guideline for adding new benchmark](#)

[WIP CL to add telemetry benchmark](#)

Approvals

crouleau@google.com	I don't think this is the correct plan, as discussed in my comment (which disappeared but can be found in comment history.) Happy to discuss more over GVC.
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