

Skip Preload Scanning (public version)

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March 2024

One-page overview

PreloadScan step of the browser benefits performance of pages with sub-resource fetches, via implementation of the [speculative prefetch](#). However, for pages that don't benefit from this step, i.e., pages with no sub-resources this is additional processing overhead with little benefit. For advanced web users who would like to benefit by reducing this overhead, we'd like to experiment providing a page-level control to modify behavior of the PreloadScanner.

This feature will be gated behind an origin trial to collect data with interested partner(s). The origin trial header itself would work as the feature flag during the experimentation phase, and would allow web devs to disable the preload scanning step via the header on a per-page basis, allowing for maximum flexibility. If successful in positively impacting CWV of participating origins/pages, we could look at providing the required API support to allow web-devs to control this feature or experimenting with PGO etc.

A second Origin Trial that should follow up separately from the first experiment is a partial preload scan that looks at only the <head> of the document and stops — to experiment if most subresource fetches could be achieved from parsing just the head, and avoid processing overhead of scanning the body DOM.

Platforms

Mac, Windows, Linux, Chrome OS, Android.

Team

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Bug

<https://crbug.com/330802493>

Code affected

third_party/blink/renderer/core/html/parser