

Contact: g/chrome-benchmarking (Googler only), benchmarking-dev@chromium.org

For adding new benchmark, also see: <http://go/new-benchmark-policy>

Type	Harness	What it's used for	Status	Bugs	Documentation	Short link: http://bit.ly/chrome-benchmark-harnesses
User facing benchmark	system_health	For tracking all the user facing metrics on realistic user scenarios.	Ready to add more test cases. (need to check with benchmarking team on the runtime limit & supportable number of test cases)	N/A	https://chromium.googlesource.com/chromium/src+/master/docs/speed/benchmark/harnesses/system_health.md	
	loading	For tracking page loading performance. Support cold vs warm cache.		traffic-shaping has some bug (crbug.com/653519)	https://chromium.googlesource.com/chromium/src+/master/docs/speed/benchmark/harnesses/loading.md	
	memory	For tracking memory usage of Chrome.	Need to merge the benchmarks (both mobile & desktop version)	crbug.com/713338	https://chromium.googlesource.com/chromium/src+/master/docs/memory-infra/memory_benchmarks.md	
	rendering	For tracking rendering performance, include metrics such as: FrameThroughput, ExpectedQueueingTime, etc...	Need to upgrade the benchmark's metrics to TMBv2 & merge the smoothness benchmarks.	crbug.com/760553	https://chromium.googlesource.com/chromium/src+/master/docs/speed/benchmark/harnesses/rendering.md	
	power	For tracking power usage of Chrome, including metrics from battor/Chrome cpu usage	Need to merge all the power benchmarks	crbug.com/737101	https://chromium.googlesource.com/chromium/src+/master/docs/speed/benchmark/harnesses/power_perf.md	
	startup	For tracking latency of the browser startup	Need to redesign from ground up to: 1) Use TMBv2 metrics & system tracing 2) Support many different use cases (startup with profile/session restore, etc)	crbug.com/760498		
	v8 runtime	For tracking v8's overall performance under real world scenarios	Need to merge benchmarks.	crbug.com/775635		
	media	For tracking various performance aspects of video playing in Chrome	Ready to add more test cases. Need documentation			
	webrtc	For tracking various performance aspects of webrtc	Ready to add more test cases.	N/A	https://chromium.googlesource.com/chromium/src+/master/docs/speed/benchmark/harnesses/webrtc_perf.md	
Micro benchmark	press/cross browser	For running cross browser benchmarks such as dromaeo, speedometer, animometer, etc...	Need to merge benchmarks	crbug.com/714231 , crbug.com/714239 Design: http://bit.ly/press-benchmark	http://bit.ly/press-benchmark	
	blink_perf	For microbenchmarking web platform APIs on the full browser. Support outputting metrics based on tracing.	Ready to add more test cases.	N/A	https://chromium.googlesource.com/chromium/src+/master/docs/speed/benchmark/harnesses/blink_perf.md	
	C++ micro benchmark	For running tight loop microbenchmarking without the full browser	There is no supported harness yet. Teams can still add C++ micro benchmarks if the tests are fast & enabled on CQ. A good example CL is: https://codereview.chromium.org/2403923002	chrome-core-automation@google.com may be a good owner for this		