

Stubborn Empathy

A heart shape is formed by a collection of smooth, light-colored stones (white, grey, and light brown) arranged on a dark, pebbly beach. The stones vary in size and shape, creating a textured outline for the heart. The background is a dark, textured surface of small pebbles and sand.

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OLD MAN YELLS AT CLOUD



Abraham Lincoln
was a great man

He was a great man
who was a great man
who was a great man
who was a great man
who was a great man
who was a great man

He was a great man
who was a great man
who was a great man
who was a great man
who was a great man
who was a great man

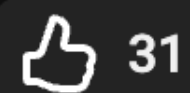


Nate Koechley: Professional Frontend Engineering



YUI Library
16.3K subscribers

Subscribe



31



Share



Download



Clip



All

From YUI Library

Computers

“ And then finally, and I think most importantly, is that for me, front-end engineering comes down to supporting users.

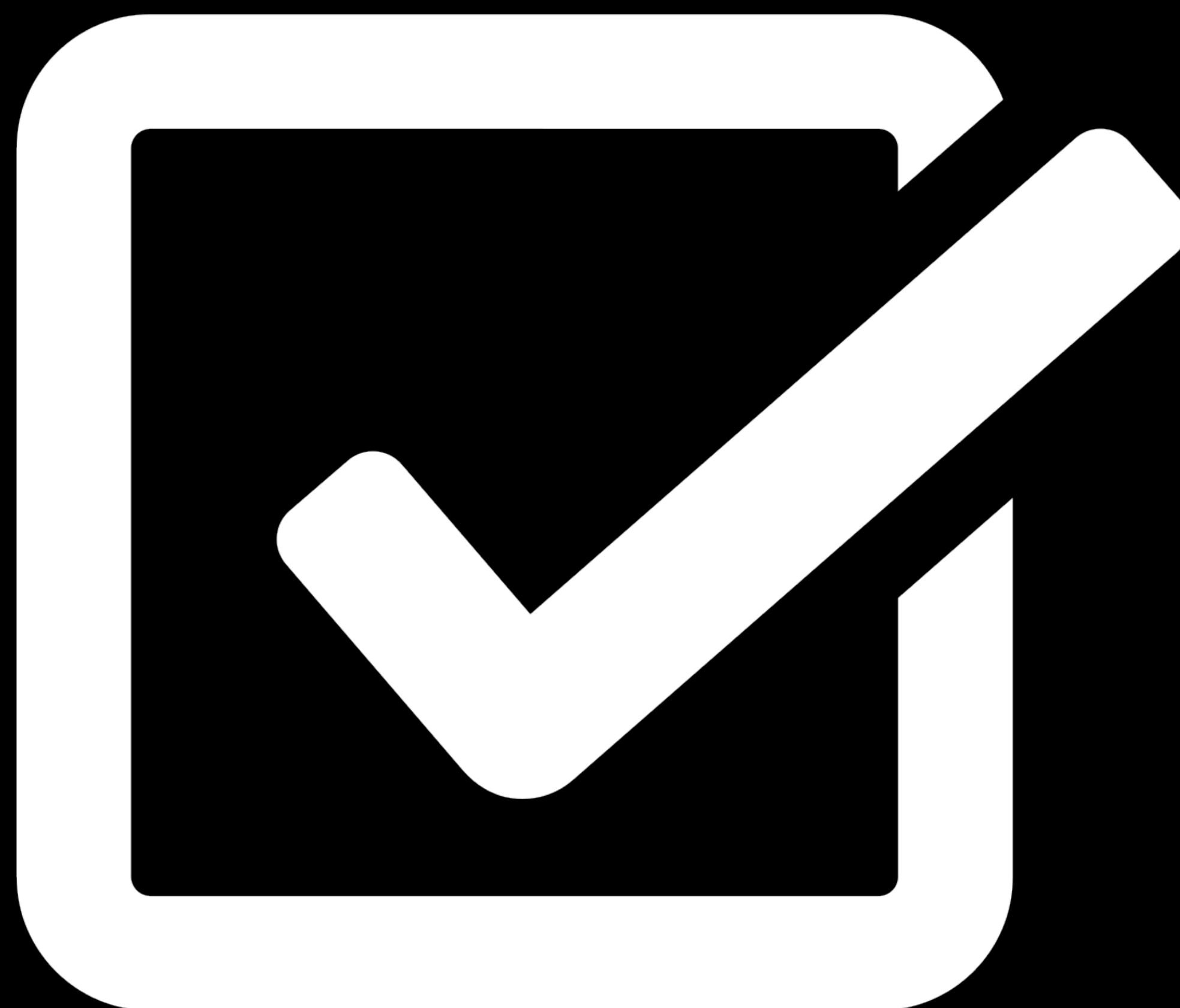
It's our job to make sure that they have a great user experience....

“...We want to have **stubborn empathy** for what they need, and what they want, and what they’re going through — what can we do to make all that better?

stubborn empathy

**The monoculture
& the machine.**

The monoculture



**The localhost
delusion.**


```
<body>
  <h1>LCP Test: Slow CSS in Body, after the image</h1>
  
  <link
    rel="stylesheet"
    href="https://slowfil.es/file?type=css&delay=3000">

  <p>The LCP is the image, with a slow CSS link in the
body.</p>

</body>
```


restless-sky-c124.timkadlec.workers.dev/lcp/css-body

Elements

Console

Sources

Network

Performance

Memory

Application

Live metrics

Screenshots

Memory

Dim 3rd parties

CPU: No throttling

Network: Slow 4G

Disable JavaScript samples

Enable CSS selector stats (slow)

Enable advanced paint instrumentation (slow)

Show custom tracks [Learn more](#)

Local metrics

Largest Contentful Paint (LCP)

0.61 s

Your local LCP value of 0.61 s is good.

LCP element [img](#)

Cumulative Layout Shift (CLS)

0

Your local CLS value of 0 is good.

Interaction to Next Paint (INP)

—

Interact with the page to measure INP.

[Learn more about local and field metrics](#)

Next steps

Field metrics

See how your local metrics compare to real user data in the [Chrome UX Report](#).

Set up

Environment settings

Use the [device toolbar](#) and configure throttling to simulate real user environments and identify more performance issues.

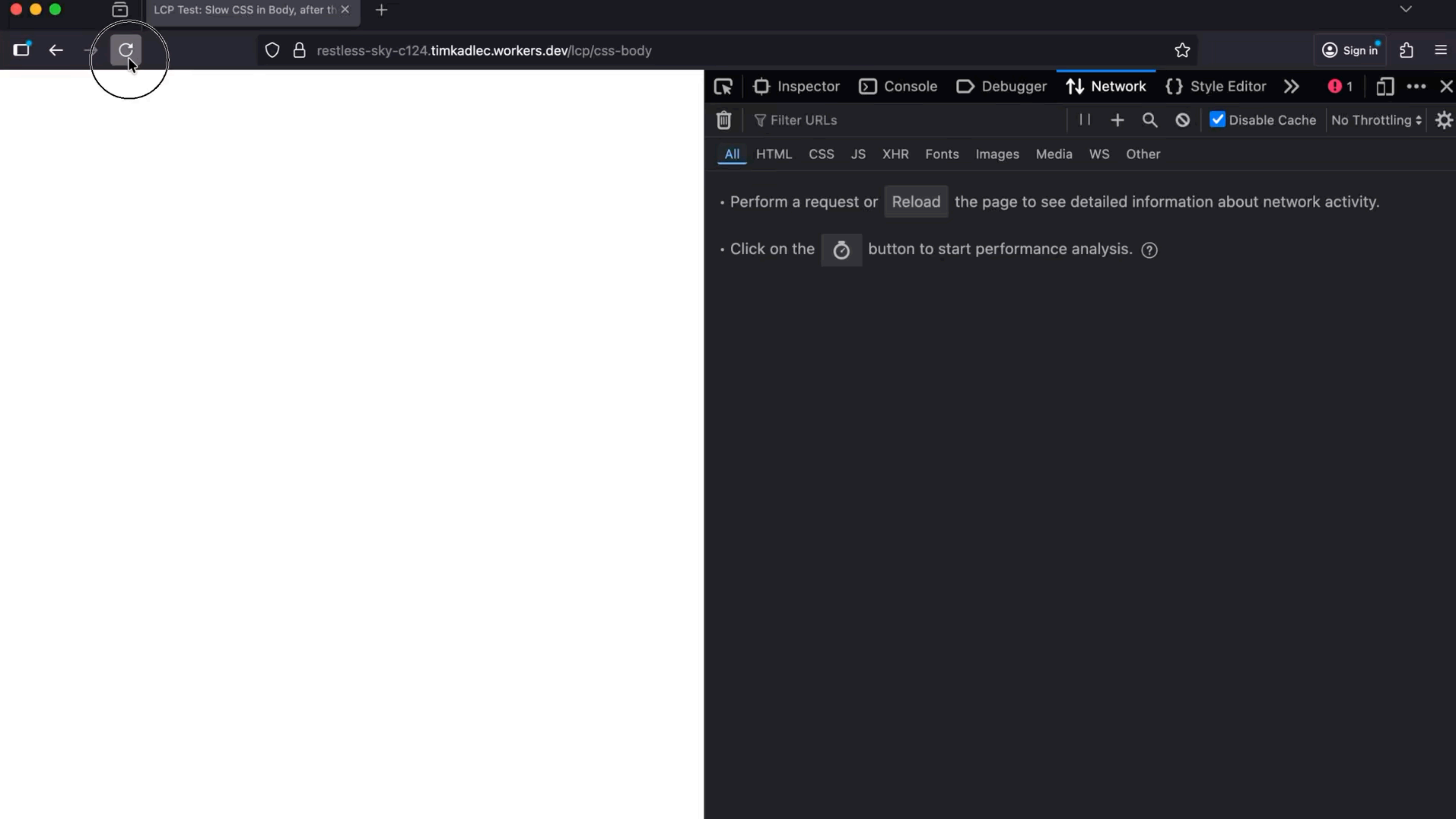
CPU: No throttling

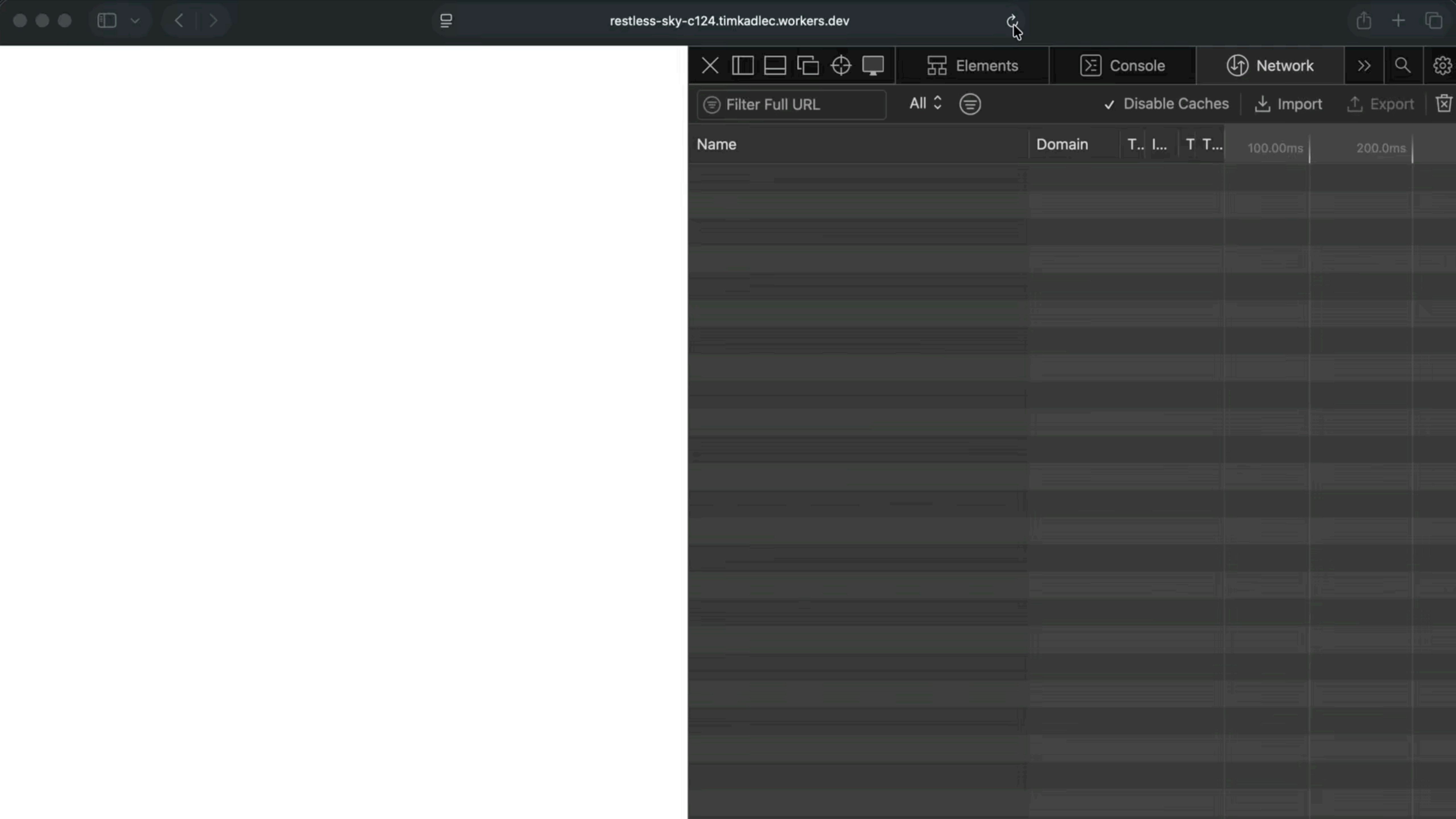
Network: Slow 4G

Disable network cache

Record

E





**Cross-browser
testing is an act of
user advocacy.**

Interaction to Next Paint (INP) ⚡ Live Demo

To help you get a "feel" for the INP metric 🖱️ [\(Learn more\)](#)

Instructions

- 1. Use the controls below to add interaction latency.
- 2. Start interacting with the page (type, click, etc.)
- 3. Notice how the experience affects the INP value.
- 4. Refresh the page to start over.

Introduce periodic main thread blocking

Frequency

Never

Often

Customize event processing times

keydown blocking time (0ms)

0

200

keyup blocking time (0ms)

0

200

mousedown blocking time (0ms)

0

200

INP value

(since page load)

40

☒ Active

Start typing...

testing 2 3

Event log (descending order)

Interaction No.	Event Type	Duration	Timestamp
20	keyup	40	11:16:36.191Z
21	keydown	40	11:16:35.715Z
20	keydown	24	11:16:35.674Z
19	keyup	32	11:16:34.506Z

INP ⚡ Demo

chrome.dev/inp-de

Interaction to N

To help you get a "feel" for the INP metric

Instructions

1. Use the controls below to add i
2. Start interacting with the page
3. Notice how the experience affe
4. Refresh the page to start over.

Introduce periodic main thr

Frequency

Never

Customize event processin

keydown blocking time (0ms)

0

keyup blocking time (0ms)

 144

pointerdown blocking time (0ms)

INP ⚡ Demo

chrome.dev/inp-demo/

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To help you get a "feel" for the INP metric ⚡ [\(Learn more\)](#)

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Introduce periodic main thread blocking

Frequency

Never Often

Customize event processing times

keydown blocking time (0ms)

0 200

keyup blocking time (0ms)

0 200

pointerdown blocking time (0ms)

INP value
(since page load)

24

☒ Active

Start typing...

testing 2 3|

Event log (descending order)

Interaction No.	Event Type	Duration
33	keypress	16
28	keypress	16
28	keydown	16
15	keypress	24

chrome.dev

chrome.dev/inp-demo

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keydown blocking time (0ms)

0

200

keyup blocking time (0ms)

0

200

pointerdown blocking time (0ms)

0

200

INP value

(since page load)

408

Start typing...

testing 2 3

Event log (descending order)

Interaction No.	Event Type
17	keydown
16	keypress
16	keydown
15	keyup
15	keypress
15	keydown

INP Demo

chrome.dev/inp-demo

Interaction to Next Paint (INP) ⚡ Live Demo

To help you get a "feel" for the INP metric 🖱️ [\(Learn more\)](#)

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Frequency

Never

Often

Customize event processing times

keydown blocking time (0ms)

0

200

keyup blocking time (0ms)

0

200

pointerdown blocking time (0ms)

0

200

INP value

(since page load)

229

Start typing...

testing 2 3

Event log (descending order)

Interaction No.	Event Type
17	keydown
16	keypress
16	keydown
15	keyup
15	keypress
15	keydown

LCP Test: Normal Image Load



This is a small paragraph to ensure the large image remains the LCP element.

✔ LCP Measurement Complete

LCP Time: 72ms

Element Tag: IMG

Element Selector: img



LCP Test 1: Fast Image

restless-sky-c124

LCP Test: No

This is a small paragraph to ensure the large image remains the LCP element.

✓ LCP Measurement Complete

LCP Time: 72ms

Element Tag: IMG

Element Selector: img



LCP Test 1: Fast Image

restless-sky-c124.timkadlec.workers.dev/lcp/

LCP Test: Normal Image Load



This is a small paragraph to ensure the large image remains the LCP element.

✓ LCP Measurement Complete

LCP Time: 145ms

Element Tag: IMG

Element Selector: img

LCP Test: No

This is a small paragraph to ensure the large image remains the LCP element.

✅ LCP Measurement Complete

LCP Time: 72ms

Element Tag: IMG

Element Selector: img



230

LCP Test: Norm

This is a small paragraph to ensure the large image remains the LCP element.

✅ LCP Measurement Complete

LCP Time: 145ms

Element Tag: IMG

Element Selector: img

LCP Test: Normal Image Load



This is a small paragraph to ensure the large image remains the LCP element.

✅ LCP Measurement Complete

LCP Time: 94ms

Element Tag: IMG

Element Selector: img



P75 INP (desktop only)

88ms



120ms



P75 LCP (desktop only)

2.26s



1.86s



Measurement difference?

Opportunity?

telescope

Public

Edit Pins

Watch 0

Fork 2

Star 2

main

1 Branch

0 Tags

Go to file

t

Add file

<> Code

	sergeychernyshev playwright-webkit version update ✓	c2bdeaf · 5 days ago	🕒 10 Commits
📁 __tests__	Releasing Telescope as open source	last week	
📁 img	Fix Safari on MacOS Tahoe	5 days ago	
📁 lib	This closes #5 by defaulting connectionType to false.	last week	
📁 support	Releasing Telescope as open source	last week	
📁 tests/sandbox	Releasing Telescope as open source	last week	
📄 .bleep	playwright-webkit version update	5 days ago	
📄 .gitignore	Releasing Telescope as open source	last week	
📄 .prettierrc.json	Releasing Telescope as open source	last week	
📄 LICENSE	Releasing Telescope as open source	last week	
📄 README.md	Additional docs for dependencies and ffmpeg installation	5 days ago	
📄 example.png	Releasing Telescope as open source	last week	

About

Cross-browser web performance testing agent

- 📖 Readme
- 📜 View license
- 📄 Code of conduct
- 👤 Contributing
- 📜 Security policy
- 📶 Activity
- 📋 Custom properties
- ★ 2 stars
- 👁 0 watching
- 🔗 2 forks

Report repository

Releases

No releases published

Packages

No packages published

https://github.com/cloudflare/telescope

Cross-browser support



Filmstrip images

Video recording

Har generation

Paint Timing

User Timing

Resource Timing

Navigation Timing

Packet level network throttling

Custom cookies

Custom headers

HTTP Auth

CPU Throttling

Block requests

Block domains

Firefox preferences

Chromium flags



Renamed imports to camelcase #12

 Closed

kevinfarrugia wants to merge 1 commit into `cloudflare:main` from `kevinfarrugia:case-sensitive`



 Conversation 1

 Commits 1

 Checks 0

 Files changed 2



kevinfarrugia commented 14 hours ago

Contributor



Fixes [#11](#).



The machine



AI Slop.

**Favors generation time
over lifetime quality.**

+154%

increase in average PR size

+91%

increase in PR review time

+9%

increase in bugs per developer

**The machine operates
on abstraction without
accountability.**

We are the
user's line of defense.

Agentic web.

Crawl-to-refer ratio

Ratio of HTML page crawl requests to HTML page referrals by platform. Change reflects comparison with the previous period   

Anthropic 70.9K : 1 ↓ -5.7% ClaudeBot100% Claude-SearchBot< 0.1% Claude-User< 0.1%	OpenAI 1.6K : 1 ↓ -13.1% GPTBot94.2% ChatGPT-User3.7% OAI-SearchBot2.1%	Perplexity 202.4 : 1 ↓ -3.6% PerplexityBot85.1% Perplexity-User14.9%	Microsoft 40 : 1 ↓ -4.4% Bingbot100%	Yandex 18 : 1 ↑ +6.4% YandexBot99.4% YandexMobileBot0.3% YandexImages0.3% Other< 0.1%
Google 9.4 : 1 ↓ -19.4% Googlebot92.7% GoogleOther6.5% Googlebot-Mobile0.4% Other0.4%	ByteDance 1.4 : 1 ↓ -7.8% Bytespider100%	Baidu 1 : 1 ↓ -17.2% Baiduspider100%	DuckDuckGo 0.3 : 1 ↑ +6.8% DuckDuckBot66.7% DuckAssistBot33.3%	Mistral 0.1 : 1 = 0% MistralAI-User100%

**A little lopsided,
isn't it?**



Exits are: north, south

> look
I'm on a bridge. I'm
surprised of its
stability as you are.
You can see: nothing.

OK.
The bridge.
Exits are: north, south
> 

BARB...
Be careful!
I feel like
a Game Over
is coming
soon.
Hello! Can
you hear
me?
What is
going on
here?
What is
going on
here?
Look
closely!
Hint: Save
often to
avoid pain

**We can do
better.**

**How efficiently & enjoyably
can users accomplish the tasks
they set out to complete?**

**Uncompromising *quality* and the
pursuit of *delight*.**

Stubborn Empathy.

Thank you

A heart shape is formed by a collection of smooth, light-colored stones (white, grey, and light brown) arranged on a dark, pebbly beach. The stones vary in size and are clustered together to create the outline and fill of the heart. The background is a dark, textured surface of small pebbles and sand.

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