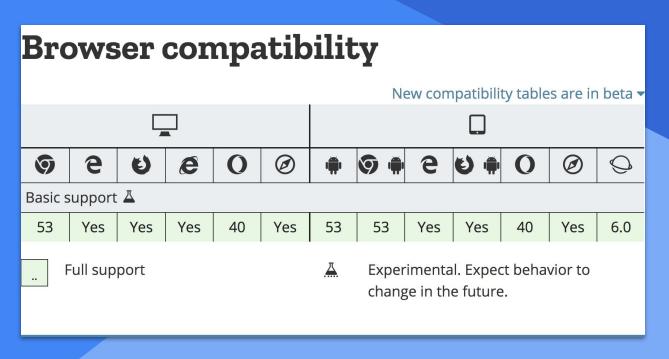
The Compatibility Data Pipeline

Communicating Interoperability to Web Developers

A tale of human failing

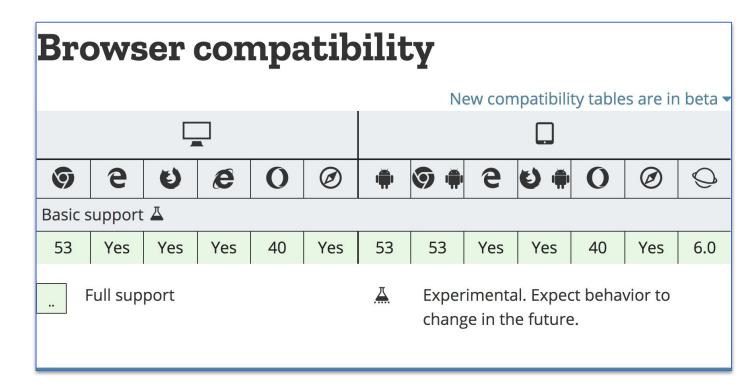
BlinkOn 9 jmedley@google.com



IURING. Morsher

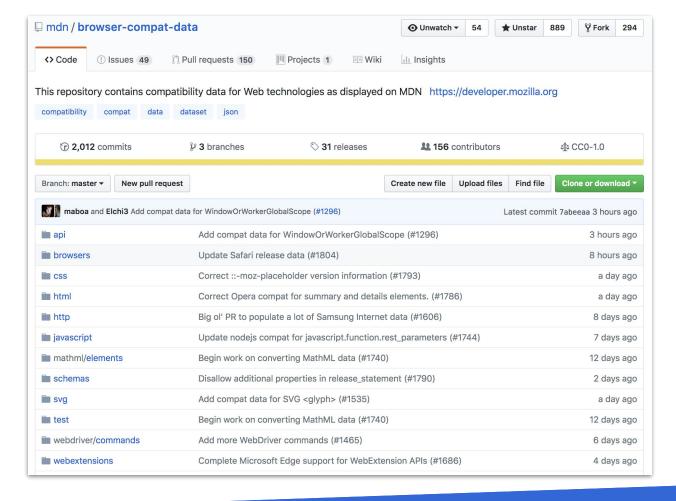
MDN

The new MDN tables are more than just styling



MDN

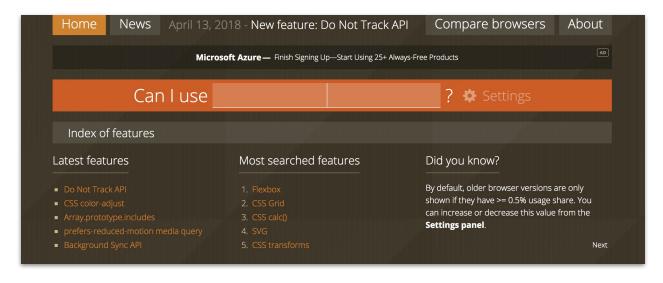
- No longer stored on individual pages
- Now in a singleGitHub repo





A Word about caniuse.com

- Terrific interface
- We've chosen an organization over an individual

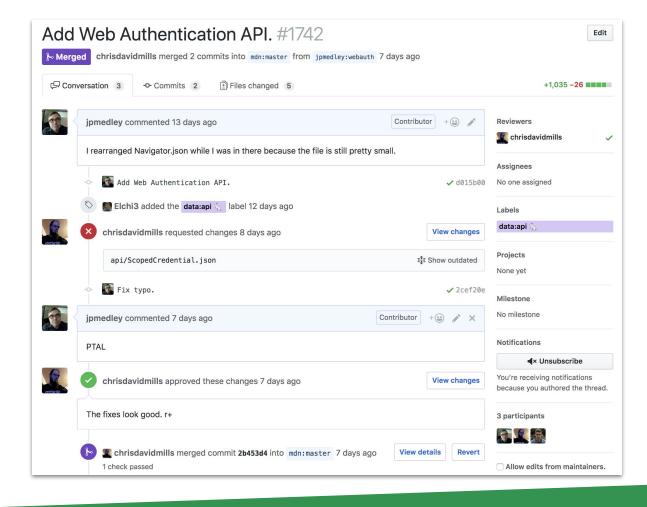


Consequences



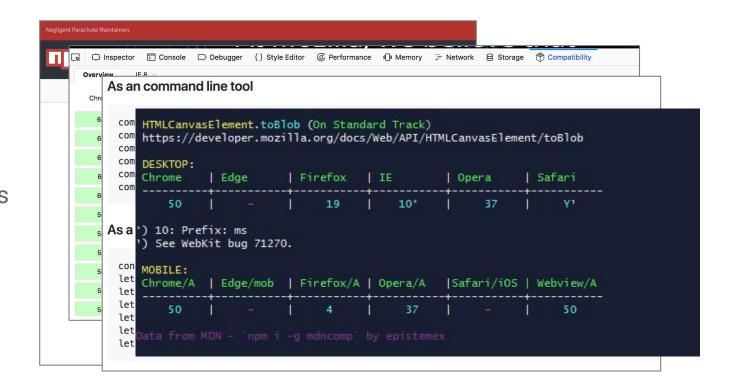
Good

We can now quality check this data in a gated and systematic way



Good

There is a growing ecosystem of tools including a FF
Developer Tools
Plug-in



https://goo.gl/wXepRU

Good

We even had a hackathon la improve the ecosystem

https://goo.gl/AxD1s8



Bad

The number of PRs is enormous

Michael Ferris	Chrome/To Do	[mdn/browser-compat-data] Updat	12:14 PM
Zack Harley	nbox Chrome/To Do	[mdn/browser-compat-data] Fix in	11:44 AM
ExE Boss In	nbox Chrome/To Do	[mdn/browser-compat-data] Add `	10:06 AM
ExE Boss Ir	nbox Chrome/To Do	[mdn/browser-compat-data] Corre	10:05 AM
Mark Boas	nbox Chrome/To Do	[mdn/browser-compat-data] Add c	10:00 AM
Mark Boas	nbox Chrome/To Do	[mdn/browser-compat-data] Add c	9:42 AM
Mark Boas	nbox Chrome/To Do	[mdn/browser-compat-data] Add c	9:31 AM
Mark Boas	nbox Chrome/To Do	[mdn/browser-compat-data] Add c	9:16 AM
Shaun Dillon	nbox Chrome/To Do	[mdn/browser-compat-data] fix ` <l< td=""><td>8:57 AM</td></l<>	8:57 AM
flashyincceo 3	nbox Chrome/SVG	Chrome/To Do [mdn/browser-compa	7:44 AM
Mark Boas	nbox Chrome/To Do	[mdn/browser-compat-data] Add b	7:37 AM
Mark Boas	nbox Chrome/To Do	[mdn/browser-compat-data] Add c	7:32 AM
Mark Boas	nbox Chrome/To Do	[mdn/browser-compat-data] Add b	7:19 AM
Mark Boas 5	nbox Chrome/To Do	[mdn/browser-compat-data] Add c	7:17 AM
Mark Boas 4	nbox Chrome/To Do	[mdn/browser-compat-data] Add c	6:48 AM
OzBob Ir	nbox [mdn/browse	er-compat-data] iOS beta 'report erro	6:23 AM



Bad

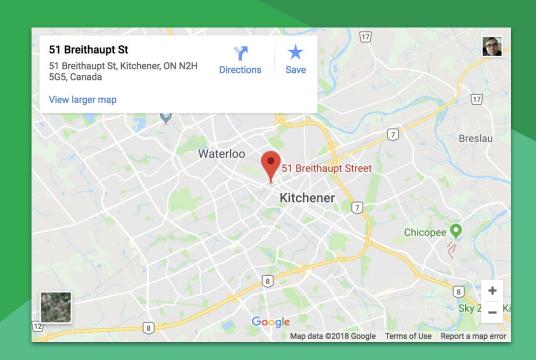


All of this data is hand-built.

It comes from what humans know, what they think they know, and what they can learn digging through various codebases.

Meanwhile...

in a Google office outside Toronto, Canada



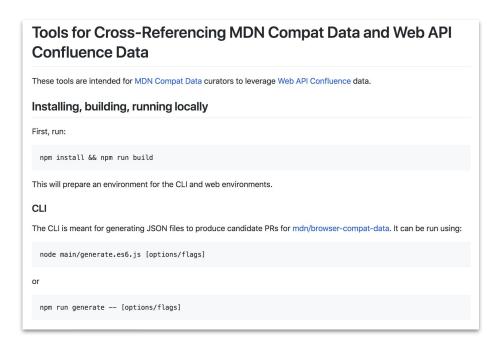
Web API Confluence

- A Googler named Mark Dittmer is building a tool that also contains compatibility data.
- Operates by walking the object graphs of major browsers.
- As far as I know, this is the first tool that automatically generates compatibility data.



MDN Confluence Tool

- Outputs Confluence data in MDN's format
- https://goo.gl/vUaH4W



It Should Go to 11, But it's More Like 5 1/2





Confluence Data Limitations

- Contains no data about objects retrieved from factory function
- Contains only desktop data and not mobile
- Contains false positives changes in how browsers implement things

Questions

Browser compatibility New compatibility tables are in beta ▼ 9 U e 0 Basic support A 53 Yes Yes 40 53 53 Yes 40 Yes Yes Yes Yes 6.0 Full support T Experimental. Expect behavior to change in the future.

BlinkOn 9 jmedley@google.com