



Web & the art of specification maintenance

Building resilience through
feedback loops

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TPAC 2024
Anaheim CA, USA
hybrid meeting
23–27 SEPTEMBER 2024





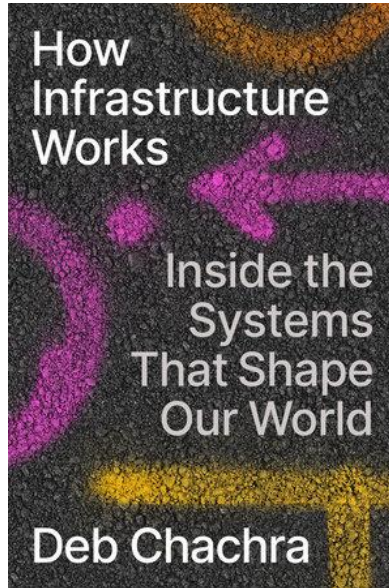
The web, a core
infrastructure

Resilience

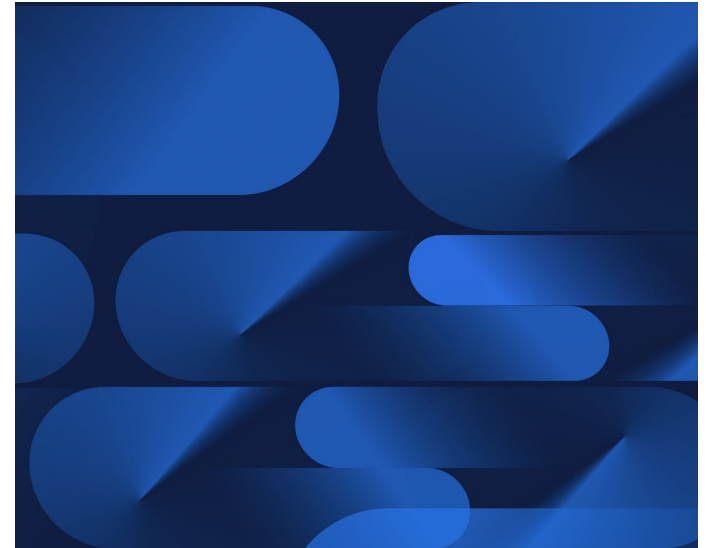
FTW! See you at W3C@60?



Building resilience

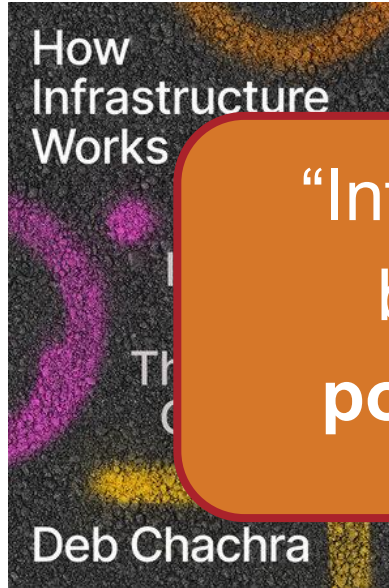


“How Infrastructure Works: Inside the Systems That Shape Our World” - Oct 2023
Deb Chachra (Professor of Engineering)
<http://debcha.org/>



“Building resilience - New strategies for strengthening infrastructure resilience and maintenance” - Nov 2021
OECD Public Governance Policy Paper
<https://doi.org/10.1787/354aa2aa-en>

Building resilience



“Infrastructure cannot
be resilient if it is
poorly maintained”

“How Infrastructure Works: Inside the Systems That Shape Our World” - Oct 2023
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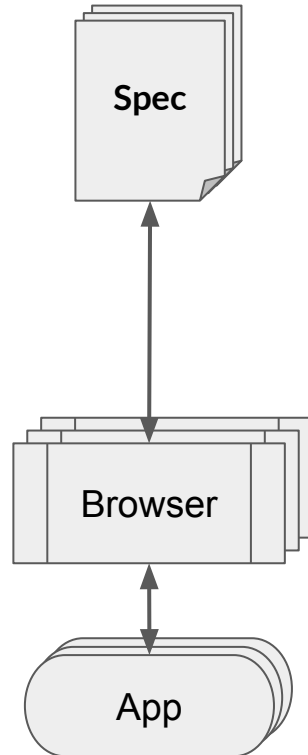
“Building resilience - New strategies for strengthening infrastructure resilience and maintenance” - Nov 2021
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**WEB ROAD WORK
NEXT 30 YEARS
Sorry for any delay**

Disclaimer:

I'm using a narrow definition of the web, coz' not enough time to expand!



Process

REC track

Horizontal reviews

Publication rules

“Guidelines”

Manual of style

Infra / HTML / DOM

Web IDL

CSS Values

Web design principles

Documentation

MDN

Can I Use

Spec

Browser

App

Process

REC track

Horizontal reviews

Publication rules

Tests

WPT

Interop

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Dev. research

State of xx surveys

MDN short surveys

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Authoring tools

Bikeshed

ReSpec

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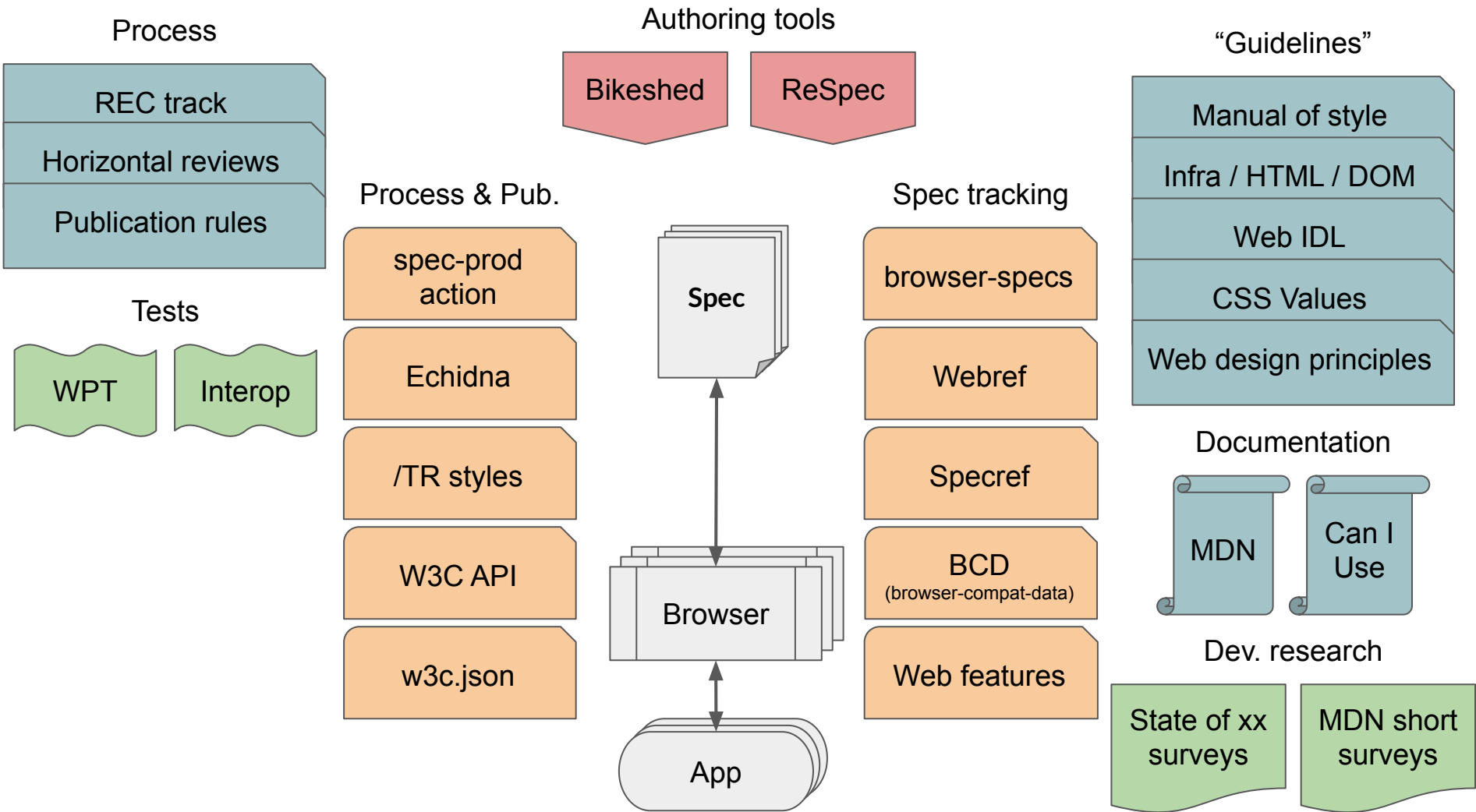
MDN

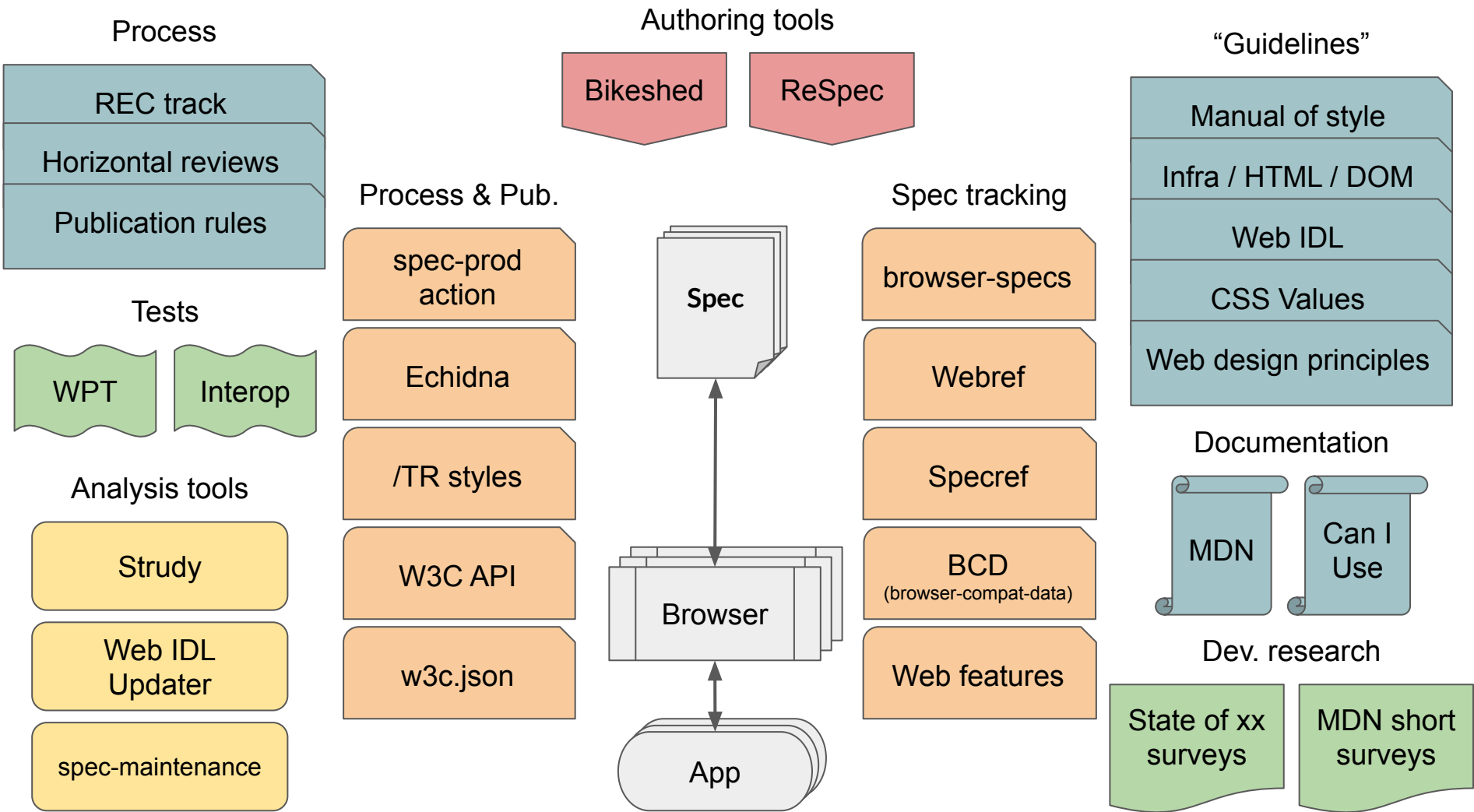
Can I Use

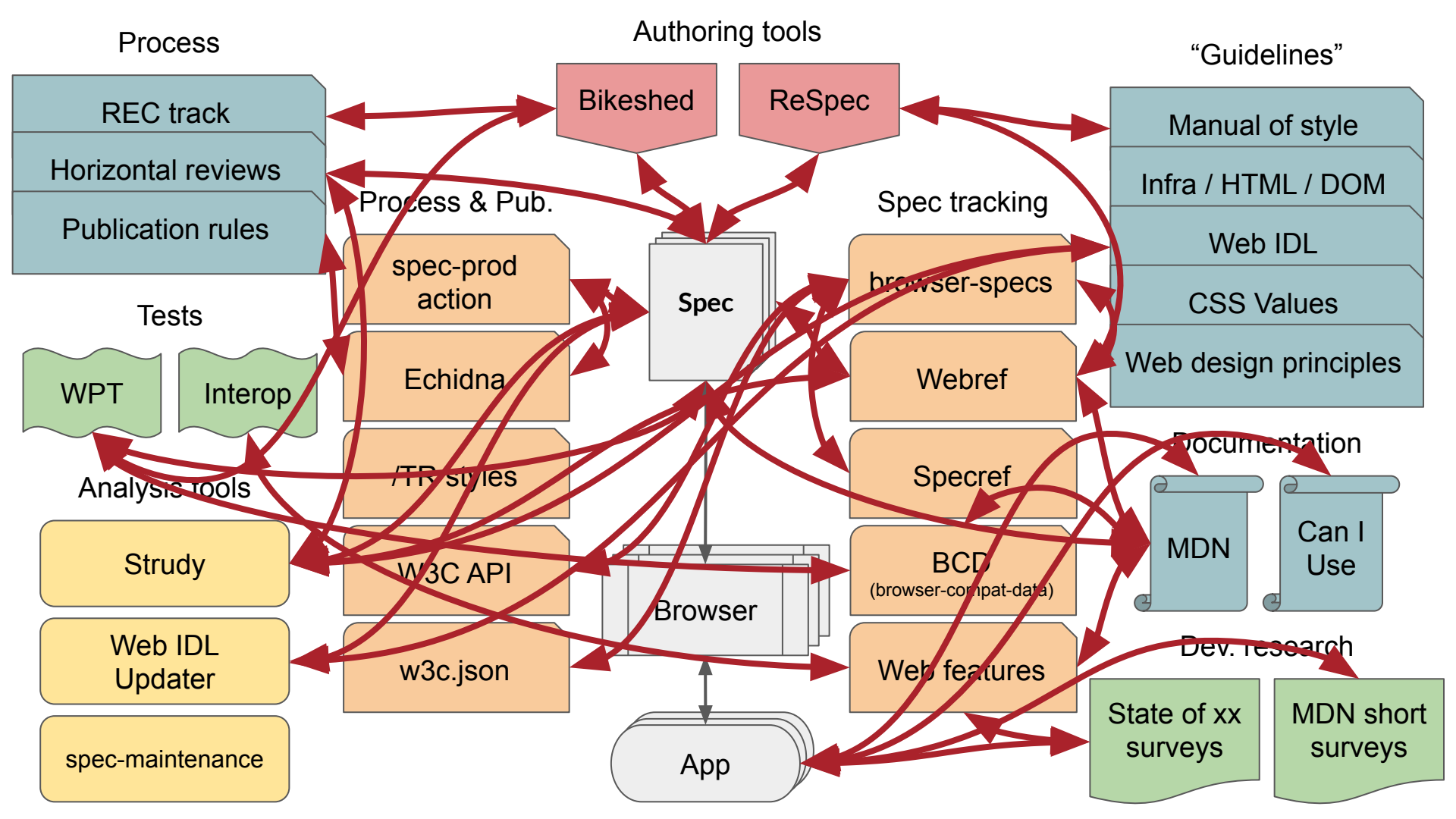
Dev. research

State of xx surveys

MDN short surveys







Feedback loops

Editorial: Align with Web IDL specification #999

Merged
jan-ivar merged 1 commit into w3c:main from autokagami:mediacapture-streams on May 2

Conversation 0 Commits 1 Checks 0

autokagami commented on Apr 27 • edited by pr-preview (bot)

This is an automated pull request to align the latest Web IDL specification.

The followings are the Web IDL validation messages that may help understanding this PR:

- Validation error at line 3 in mediacapture-streams: Dictionary argument must be optional for DOMString type, DeviceChangeEventInit

Error: Dictionary argument must be optional for no required fields

Currently this autofix might introduce awkward code formatting, and feel free to manually fix it when it happens.

Please file an issue at <https://github.com/saschanupdater/issues/new> if you think this is invalid or should be enhanced.

[css-backgrounds-4] Fix definition of <position-three> #1000

Merged
svgeesus merged 1 commit into w3c:main from tidoust:css-backgrounds-4-position-three

Conversation 0 Commits 1 Checks 0

tidoust commented 2 days ago

Enclosing `<>` needed to be doubled. Also `<dfn>` to make the term linkable.

[css-spec-shortname-1] Brief description will include the #issuenum-or-URL and/or link to minutes.

Copy the above line into the Title and replace relevant details. Fill in any additional details at github.com/w3c/csswg-drafts/blob/master/CONTRIBUTING.md for more info.

[css-backgrounds-4] Fix definition of <position-three>

Missing tasks in parallel steps of Media Capture and Streams #1000

Open 2 tasks
dontcallmedom-bot opened this issue last week · 0 comments

Conversation 0 Commits 1 Checks 0

dontcallmedom-bot commented last week

While crawling [Media Capture and Streams](#), the following algorithms fire an event, or resolve or reject a Promise in a step that runs [in parallel](#) without first queuing a task:

- The [MediaDevices/enumerateDevices\(\)](#) algorithm resolves/rejects a promise directly in a step that runs [in parallel](#)
- The [MediaDevices/getUserMedia\(\)](#) algorithm resolves/rejects a promise directly in a step that runs [in parallel](#)

See [Dealing with the event loop](#) in the HTML specification for guidance on how to deal with algorithm sections that run [in parallel](#).

Cc @dontcallmedom @tidoust
This issue was detected and reported semi-automatically by [Strudy](#)

Broken references in HTML Standard #8272

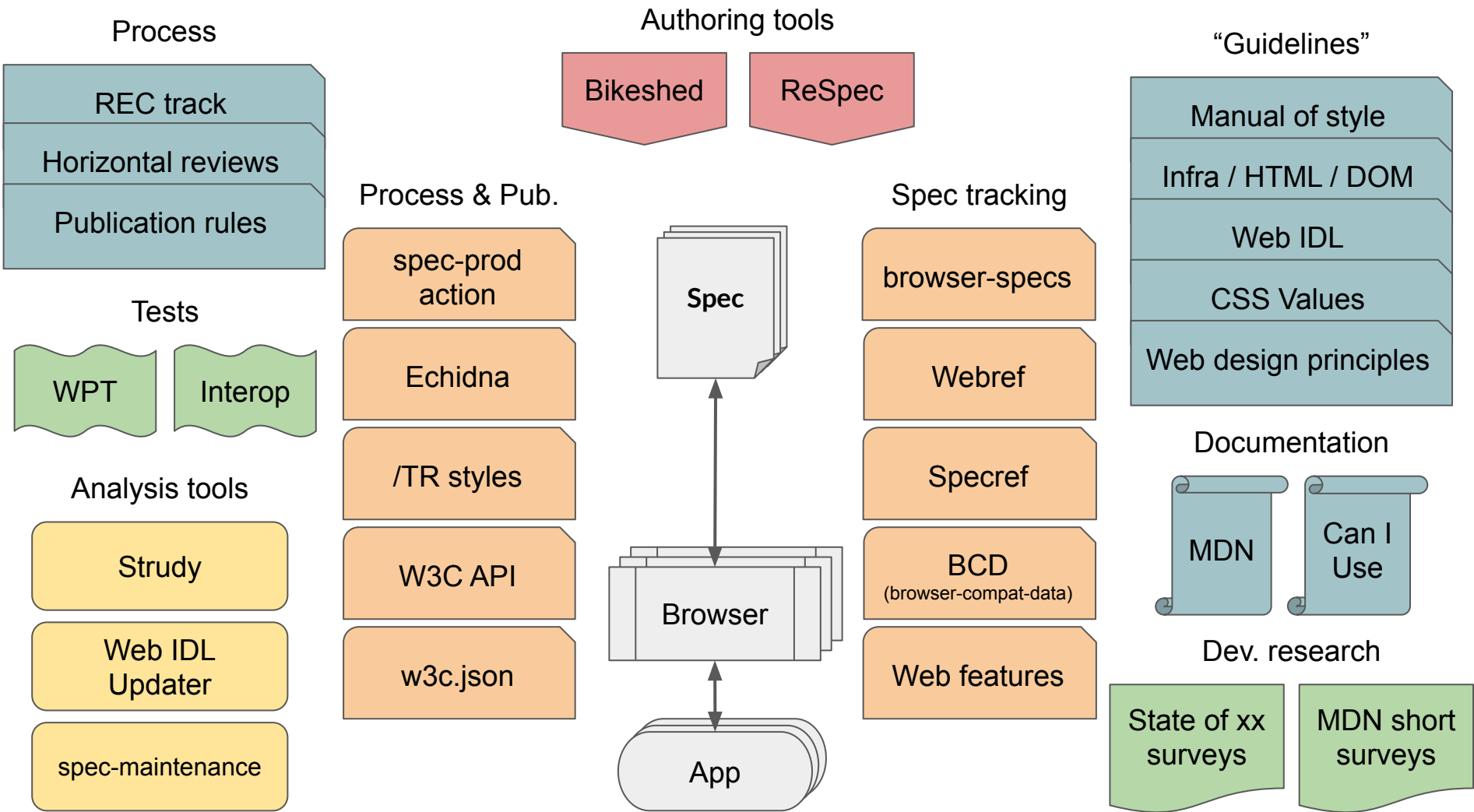
Open 20 tasks
dontcallmedom-bot opened this issue on Sep 8, 2022 · 0 comments

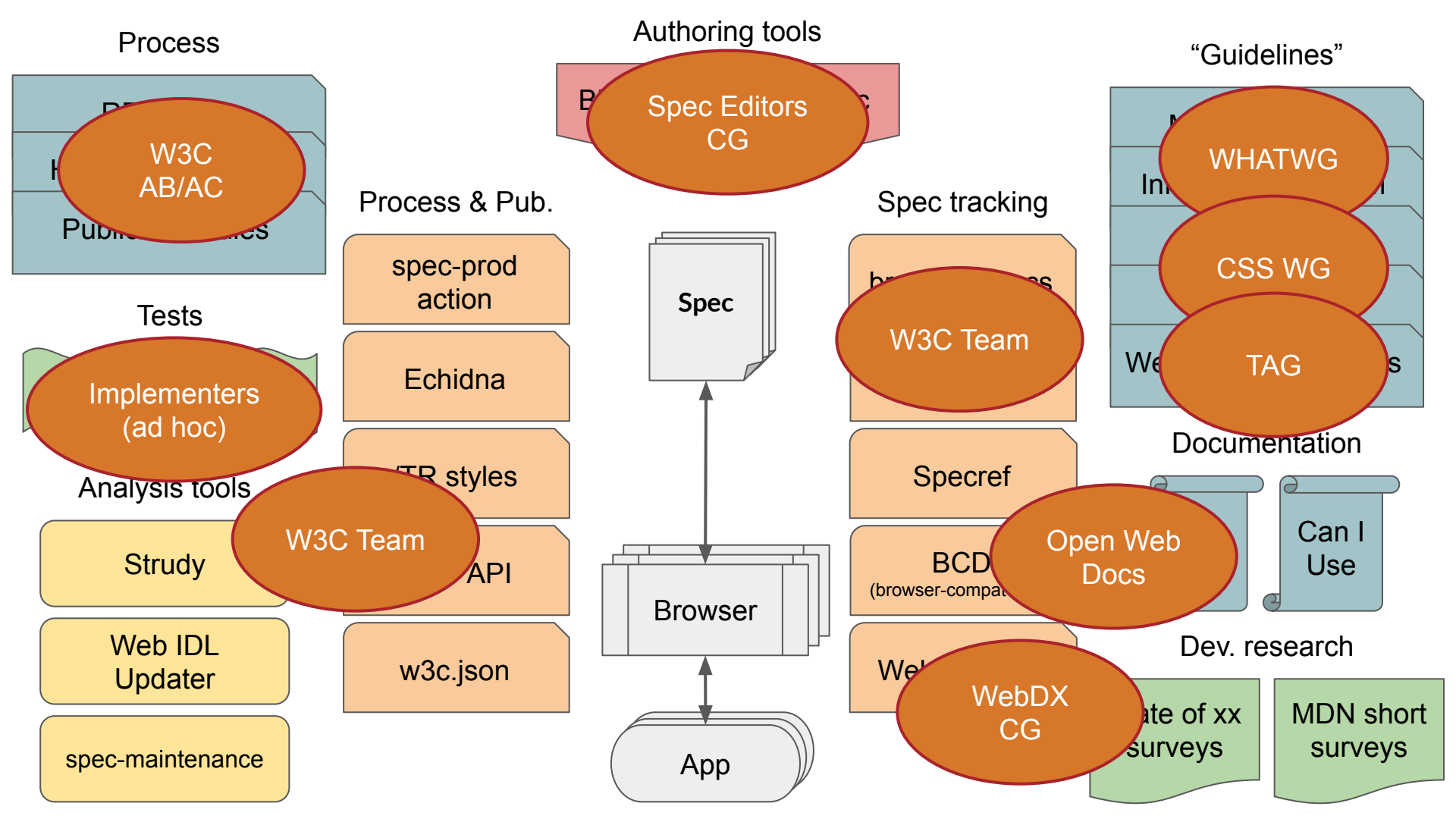
Conversation 0 Commits 1 Checks 0

dontcallmedom-bot commented on Sep 8, 2022

While crawling [HTML Standard](#), the following links to other specifications were detected as pointing to non-existing anchors, which should be fixed:

- <https://dom.spec.whatwg.org/#dom-element-setAttribute>
- <https://dom.spec.whatwg.org/#dom-shadowroot-slot-assignment>
- <https://dom.spec.whatwg.org/#concept-event-target>
- <https://drafts.csswg.org/css-align/#propdef-propdef-justify-content>
- <https://drafts.csswg.org/css-align/#propdef-propdef-justify-items>
- <https://drafts.csswg.org/css-grid/#propdef-grid-column-gap>
- <https://drafts.csswg.org/css-grid/#propdef-grid-row-gap>
- <https://drafts.csswg.org/css-multicol/#propdef-column-gap>
- <https://drafts.csswg.org/css-syntax/#conform-classes>
- <https://drafts.csswg.org/css-values/#vw>







Role of W3C: act as
a **centripetal** force



Thank you!

François Daoust (@tidoust)
<fd@w3.org>

Credits:

- Digitization by [Gerd Altmann](#) from [Pixabay](#)
- Drought by [Susan Cipriano](#) from [Pixabay](#)
- Fractal by [Charles Thoney](#) from [Pixabay](#)

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