

Permissions-Policy Research

Current release status:

- Released in Chrome 108; in stable on November 29. See <https://chromestatus.com/roadmap>

Background info:

- <https://chromestatus.com/feature/5170361717489664>
- <https://docs.google.com/document/d/1HtkQivbjO6TiP6uZdTt4KmTnWzbs5IZpEdrz59-fyYU/edit#>
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Spec?

- <https://github.com/w3c/webappsec-permissions-policy/issues/479>

Existing pages on MDN?

- <https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Feature-Policy>

Abstract:

The allowlist inside Permissions-Policy entries can already take a value of *, which means that the feature will be allowed in this document, and all nested browsing contexts (iframes) regardless of their origin.

This new addition allows the use of * inside origin values to specify that you want to grant permission to use a feature inside all the subdomains of a particular origin. For example `https://*.example.com`

Web API features to document

See description at <https://github.com/mdn/content/issues/22347>

Table of different directives, where they are currently included, and therefore where they need to be added.

Directive	BCD?	MDN?	Standardized?	Chrome support
accelerometer	✓	✓	https://w3c.github.io/sensors/#permissions-policy	Chrome 66 (BCD says

				67)
ambient-light-sensor	✓	✓	https://w3c.github.io/sensors/#permissions-policy	Chrome 66 (BCD says 67)
autoplay	✓	✓	https://html.spec.whatwg.org/multipage/infrastructure.html#policy-controlled-features	Chrome 64
battery	✓	✓	https://w3c.github.io/battery/#permissions-policy-integration	No
camera	✓	✓	https://w3c.github.io/mediacapture-main/#permissions-policy-integration	Chrome 64
clipboard-read				In Chrome 86, but not yet standardized . Not sure if I should document these until spec stabilizes
clipboard-write				In Chrome 86, but not yet standardized . Not sure if I should document these until spec stabilizes
cross-origin-isolated			https://html.spec.whatwg.org/multipage/infrastructure.html#policy-controlled-features	No, by the looks of things. Don't include until implemented ?
display-capture	✓	✓	https://w3c.github.io/mediacapture-screen-share/#permissions-policy-integration	No. Don't include until implemented

			ation	?
document-domain	✓	✓	https://html.spec.whatwg.org/multipage/infrastructure.html#policy-controlled-features	To enable these, use the Chrome command line flag --enable-blink-features=ExperimentalProductivityFeatures.
encrypted-media	✓	✓	https://w3c.github.io/encrypted-media/#permissions-policy-integration	Chrome 64 (BCD says 60)
execution-while-not-rendered	✓	✓	https://wicg.github.io/page-lifecycle/#feature-policies	To enable these, use the Chrome command line flag --enable-blink-features=ExperimentalProductivityFeatures.
execution-while-out-of-viewport	✓	✓	https://wicg.github.io/page-lifecycle/#feature-policies	To enable these, use the Chrome command line flag --enable-blink-features=ExperimentalProductivityFeatures.
fullscreen	✓	✓	https://fullscreen.spec.whatwg.org/#permissions-policy-integration	Chrome 62
gamepad	✓	✓	https://w3c.github.io/gamepad/#permission-policy	BCD reckons experimental with #restrict-gamepad-access pref, but that doesn't

				seem to be available in Chrome anymore. Mark as "no"?
geolocation	✓	✓	https://w3c.github.io/geolocation-api/#permissions-policy	Chrome 64
gyroscope	✓	✓	https://w3c.github.io/sensors/#permissions-policy	Chrome 66 (BCD reckons 67)
hid	✓	✓	https://wicg.github.io/webhid/#permissions-policy	Chrome 89
idle-detection	✓	✓	https://wicg.github.io/idle-detection/#api-permissions-policy	Chrome 94
layout-animations			Not supported or in a spec anywhere. Remove.	
legacy-image-formats			Not supported or in a spec anywhere. Remove.	
magnetometer	✓	✓	https://w3c.github.io/sensors/#permissions-policy	Chrome 66 (BCD reckons 67)
microphone	✓	✓	https://w3c.github.io/mediacapture-main/#permissions-policy-integration	Chrome 64 (BCD reckons 60)
midi	✓	✓	https://webaudio.github.io/web-midi-api/#permissions-policy-integration	Chrome 64 (BCD reckons 60)
navigation-override			https://drafts.csswg.org/css-nav-1/#policy-feature	No. Doesn't seem to be supported anywhere. Remove?
oversized-images			Not supported or in a spec anywhere. Remove.	

payment	✓	✓	https://www.w3.org/TR/payment-request/#permissions-policy	Chrome 60
picture-in-picture	✓	✓	https://w3c.github.io/picture-in-picture/#feature-policy	BCD reckons 71
publickey-credentials-get	✓	✓	https://w3c.github.io/webauthn/#sctn-permissions-policy	BCD reckons 84
screen-wake-lock	✓	✓	https://w3c.github.io/screen-wake-lock/#policy-control	Chrome 84
serial	✓	✓	https://wicg.github.io/serial/#permissions-policy	Chrome 89
speaker-selection	✓	✓	https://w3c.github.io/mediacapture-output/#permissions-policy-integration	Supported in Fx experimentally
sync-xhr			Doesn't appear to be specced anywhere anymore, I think sync xhr was removed, so remove this directive? This post supports my view	
unoptimized-images			Not supported or in a spec anywhere. Remove.	
unsized-media			Not supported or in a spec anywhere. Remove.	
usb	✓	✓	https://wicg.github.io/webusb/#permissions-policy	Chrome 60
web-share	✓	✓	https://w3c.github.io/web-share/#permissions-policy	Chrome 86
xr-spatial-tracking	✓	✓	https://immersive-web.github.io/webxr/#permissions-policy	Chrome list reckons it is Available as

				a Chrome Origin Trial only, but I can't find evidence of it. Maybe leave the data for now, and correct if someone in the know speaks up?
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BCD data

See description at <https://github.com/mdn/content/issues/22347>

Working demo

Structure and content for the docs

Interface pages

Follow this kind of structure:

<https://developer.mozilla.org/en-US/docs/Web/API/MessageChannel>

Methods, properties, events

Follow these structures:

<https://developer.mozilla.org/en-US/docs/Web/API/FontFaceSet/add>

<https://developer.mozilla.org/en-US/docs/Web/API/FontFaceSet/ready>

https://developer.mozilla.org/en-US/docs/Web/API/FontFaceSet/loading_event

HTML global attributes

Follow this kind of pattern:

https://developer.mozilla.org/en-US/docs/Web/HTML/Global_attributes/inputmode

CSS pseudos

Follow this kind of pattern:

<https://developer.mozilla.org/en-US/docs/Web/CSS/:active>

<https://developer.mozilla.org/en-US/docs/Web/CSS/::after>