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Myths and facts about EZproxy, federated identity, and browser changes

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Web browsers cannot block IP addresses

- **Apple Private Relay available with Apple Safari** on MacOS or IOS option to shield user IP addresses
  (like TOR) so servers can't see the browser user's IP address
  (since 2021 July)

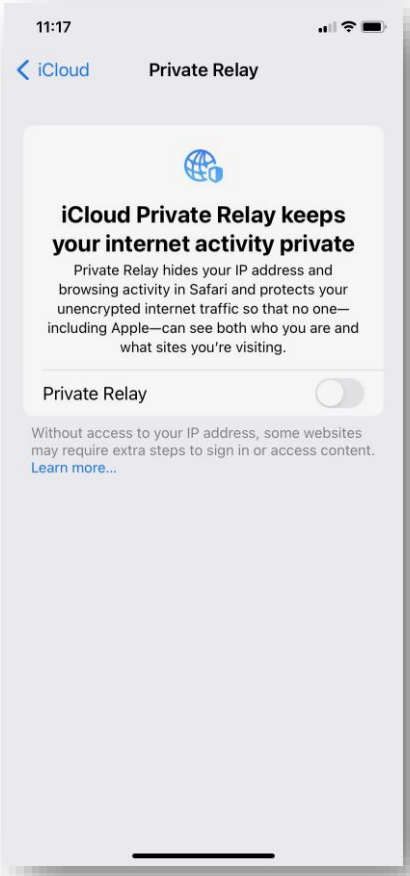
- Setting in the OS settings for your account

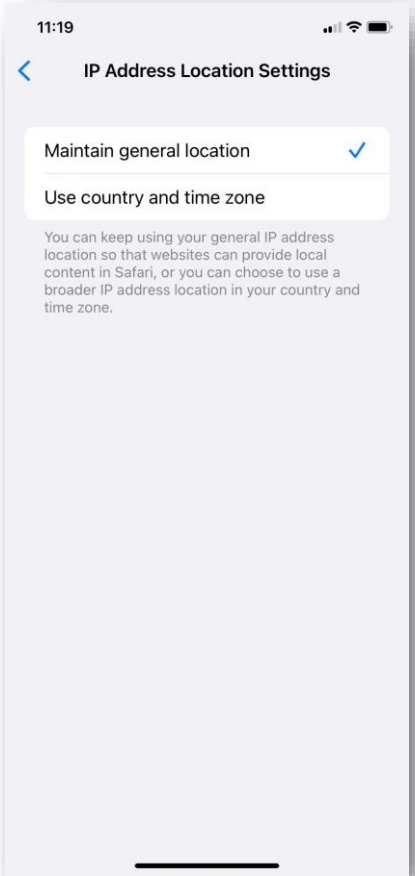
- **Some** EZproxy remediation required (coming up)

https://support.apple.com/en-us/HT212614

https://www.theverge.com/22573519/apple-private-relay-icloud-plus-ios-15-ipados-macos-monterey-how-to

Apple Private Relay





What is happening to web browsers?

- **Chrome & Firefox** introduced new Federated Credential Management API (**FedCM**) to provide privacy benefits during authentication.
- Currently “experimental code” in both browsers

- Google publicly announced they will move to FedCM in Chrome by November 2023
- Targeting consumer web experience, for example, login to Google accounts
- No EZproxy remediation required

chrome Safari mozilla Firefox Microsoft Edge OCLC

What is FedCM?

- FedCM (Federated Credential Management) is **a new API** and a privacy-preserving a privacy-preserving approach where the user registers the identity service they trust for a particular site with the browser; the browser prevents exchange of information until the user consents

https://developer.chrome.com/en/docs/privacy-sandbox/fedcm/

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

FedCM Goals

FedCM is a multi-step journey to make identity on the web better, and in its first step we are focused on reducing the impact of third-party cookie phase-out on federated identity.

https://developer.chrome.com/en/docs/privacy-sandbox/fedcm/

Third party cookies

- Third party cookies have a different domain than the URL in the browser bar
- Used sometimes for “tracking”
- Used when there are iframes that set cookies
- EZproxy will continue to work in this evolving environment

Concepts in development for more privacy preserving ways to allow cookies across domains:

- CHIPS: https://developer.chrome.com/en/docs/privacy-sandbox/chips/
- Shared Storage API: https://developer.chrome.com/en/docs/privacy-sandbox/shared-storage/

OCLC is involved in this effort via InCommon and other identity federations

https://wiki.refeds.org/display/GROUPS/Browser+Changes+and+Federation

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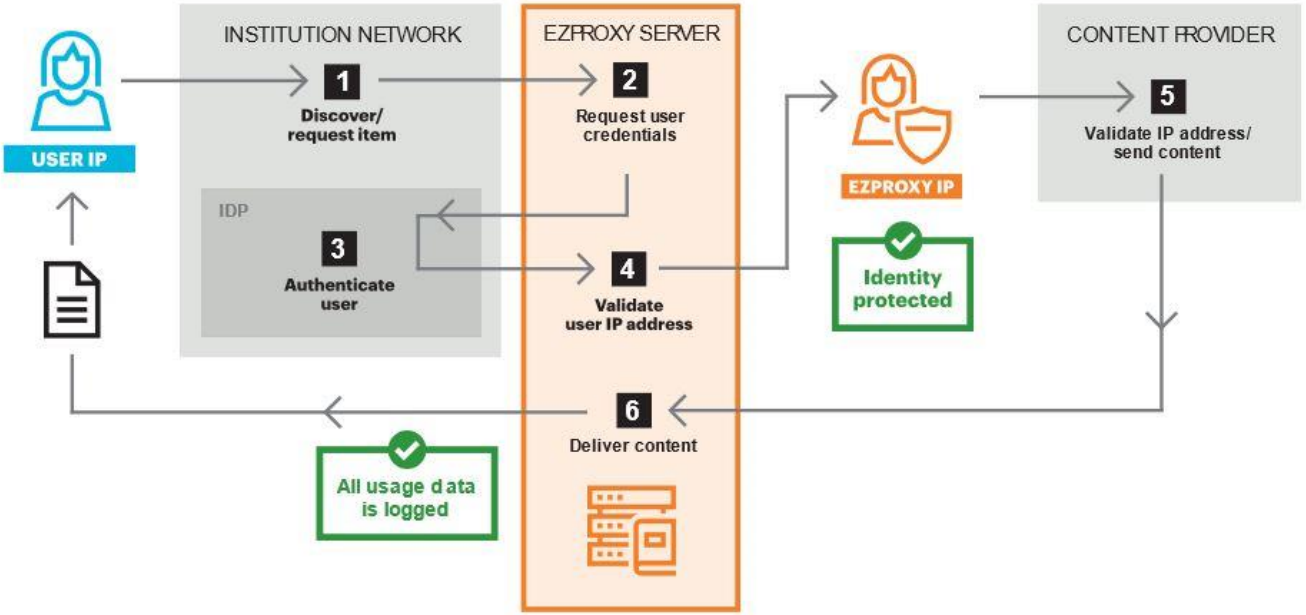
Impacts to EZproxy IP proxying

- **No impact**
- Browser obfuscation of an IP address is not an issue for EZproxy-to-publisher functionality
- Third-party publishers will see the EZproxy IP address, regardless of browser IP address

Why EZproxy IP proxying is not impacted



Libraries who decide against on-campus proxying may be impacted

- ‘ExcludeIP’ is a directive that can be configured into EZproxy at set-up
- Libraries use this directive to skip proxying on campus, and instead use its institution's campus IP range
- Because the user's IP is blocked by the browser, EZproxy is not able to apply the logic of the ‘ExcludeIP’ rule. Instead, users will be prompted by EZproxy to login before it will proxy the website

Other directives and a condition that may be impacted

Audit	Location • **IfCity** • **IfRegion**
AutoLoginIP	LogFormat %a
AutoLoginIPBanner	LogSPU %h
IfIP	Option ExcludeIPMenu
IntrusionAPI	Security Rules for 7.1 and higher • **EnforceOCLCIPLImit** • **OCLCIPLimit10day** • **OCLCIPLimit10**

The future of EZproxy

- OCLC will support IP proxying via EZproxy for the foreseeable future
- EZproxy remains the leading access method to connect users to e-resources
- EZproxy keeps librarians in control of their data
- OCLC continues to explore modern integration with third-party publisher websites

Don't be like this guy...

OCLC is aware of future access methods that may need to be supported

In summary

Myth:
EZproxy is broken because of these changes

Fact! EZproxy has little impact by these changes

Myth: EZproxy is the only solution impacted by these changes

Fact! When "log in" is changed by FedCM, every industry requiring a single sign-on will be impacted

Questions?

Because what is known must be shared.®

Thank you!

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