# IndieAuth

OAuth for the Open Web

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## W3C Social Web Working Group

- Chartered to create open APIs for social networking, to enable social communication on the web
- Active from July 2014 to February 2018
- Identity and authentication was out of scope for REC-track documents

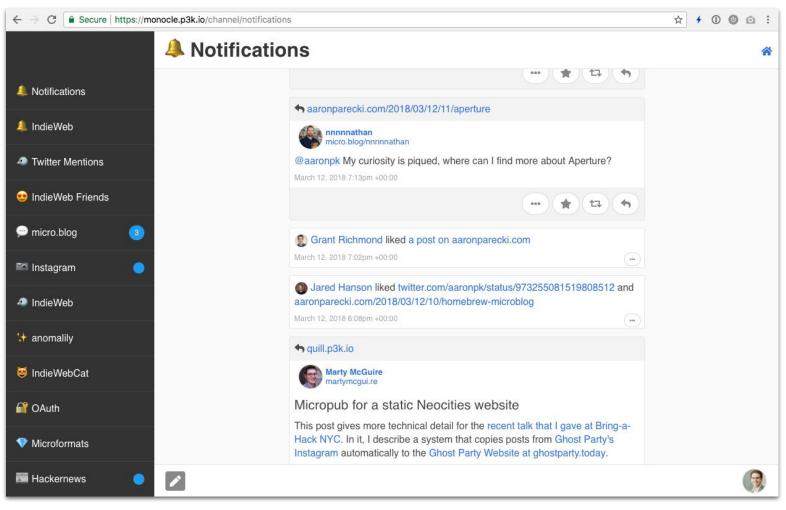
# W3C Social Web Working Group

#### W3C Recommendations Published:

- Webmention
- Linked Data Notifications
- Micropub
- Activity Streams
- WebSub
- ActivityPub

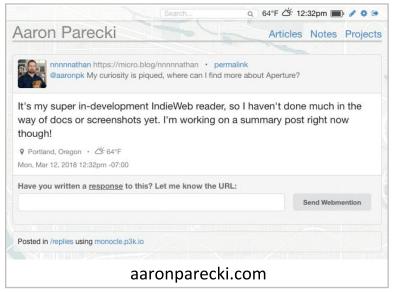
#### **W3C Notes Published:**

- Social Web Protocols
- JF2
- Post Type Discovery
- IndieAuth

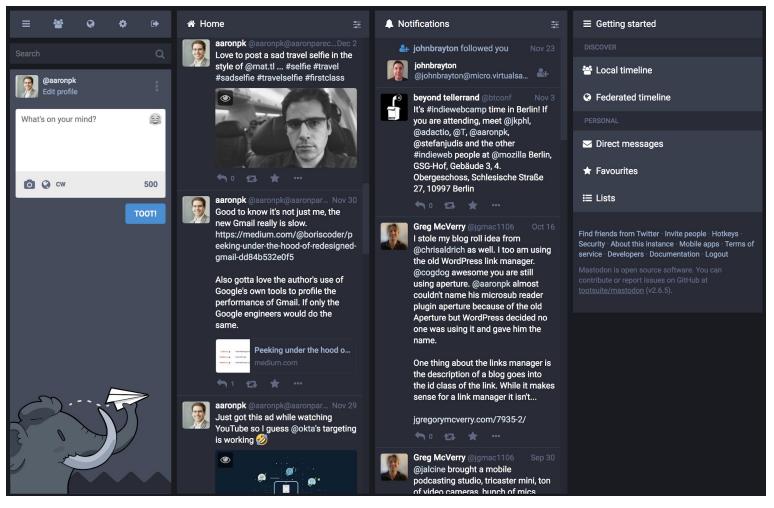


aaron.pk/reader









Follow me from Mastodon: <u>aaronpk@aaronparecki.com</u>

How can I comment on this

[blog post, photo, issue, etc]

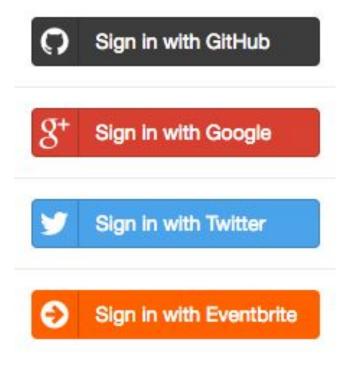
without having an account there?

that lets me post to my account?

How can I sign in to an app

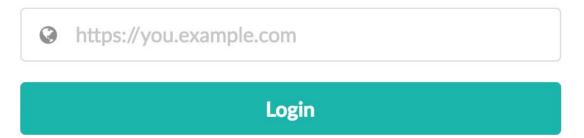


## **Traditional OAuth**



## IndieAuth: Bring your own identity

### Sign in with your domain



# **URLs** for Identity

- aaronparecki.com
- mastodon.social/@aaronpk
- gitlab.com/aaronpk
- twitter.com/aaronpk

## IndieAuth Summary

- User IDs are URLs bring your own identity
- Applications are identified by URLs no pre-registration necessary
- Authorization server is discovered from the user's URL
- User ID is returned at the end of the OAuth exchange

# Sign in to Aperture https://aaronparecki.com Log In



This app is requesting the following scopes. You can edit the scopes that will be granted to this application.

#### **Publishing**

#### create

Allows the application to create posts and upload to the Media Endpoint

#### update

Allows the application to update posts

#### delete

Allows the application to delete posts

#### media

Allows the application to upload to the Media Endpoint

#### ▶ Channels



✓ Approve

#### Reading

#### read

Allows the application to read content from channels

#### follow

Allows the application to follow and unfollow feeds

#### channels

Allows the application to manage your channels





## IndieAuth Providers









and more!

- Selfauth PHP
- Dobrado PHP
- Acquiescence Ruby
- Cellar Door Node.js
- Microblog.pub Python

indieweb.org/IndieAuth

## IndieAuth Summary

An extension to the OAuth authorization code flow

- Prompt user for their identity (URL input, browser extension auto-fill, etc)
- Discover user's authorization endpoint
- Send the user there to ask their permission
- On the redirect back, exchange the authorization code for an access token and the user's canonical URL

## Learn More

https://indieauth.net

https://aaronparecki.com/2018/07/07/7/oauth-for-the-open-web

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