# IndieAuth

## OAuth for the Open Web

Aaron Parecki
aaronpk.com

# 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

https://www.w3.org/wiki/Socialwg

# 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

https://www.w3.org/wiki/Socialwg#Specifications

↩ aaronparecki.com/2018/03/12/11/aperture

**nnnnnathan**
micro.blog/nnnnnathan

@aaronpk My curiosity is piqued, where can I find more about Aperture?

March 12, 2018 7:13pm +00:00

Grant Richmond liked a post on aaronparecki.com

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Jared Hanson liked twitter.com/aaronpk/status/973255081519808512 and aaronparecki.com/2018/03/12/10/homebrew-microblog

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↩ quill.p3k.io

**Marty McGuire**
martymcgui.re

Micropub for a static Neocities website

This post gives more technical detail for the recent talk that I gave at Bring-a-Hack NYC. In it, I describe a system that copies posts from Ghost Party's Instagram automatically to the Ghost Party Website at ghostparty.today.

Notifications

IndieWeb

Twitter Mentions

IndieWeb Friends

micro.blog  3

Instagram

IndieWeb

anomalily

IndieWebCat

OAuth

Microformats

Hackernews

aaron.pk/reader

↩ aaronparecki.com/2018/03/12/11/aperture

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March 12, 2018 7:13pm +00:00

It's my super in-development IndieWeb reader, so I haven't done much in the way of docs or screenshots yet. I'm working on a summary post right now though!

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monocle.p3k.io

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Search...    64°F  12:32pm  ▮

**Aaron Parecki**                Articles  Notes  Projects

nnnnnathan https://micro.blog/nnnnnathan  •  permalink
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It's my super in-development IndieWeb reader, so I haven't done much in the way of docs or screenshots yet. I'm working on a summary post right now though!

📍 Portland, Oregon  •  ☀ 64°F

Mon, Mar 12, 2018 12:32pm -07:00

Have you written a response to this? Let me know the URL:

[                    ]    Send Webmention

Posted in /replies using monocle.p3k.io

aaronparecki.com

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⭐ Micro.blog

Timeline  Mentions  Favorites  Discover  |  Plans  Account  Help  |  Posts    New Post

**aaronpk**
@nnnnnathan It's my super in-development IndieWeb reader, so I haven't done much in the way of docs or screenshots yet. I'm working on a summary post right now though!

12:32 pm  Reply

**eli**
@nnnnnathan github.com/aaronpk/A...

12:14 pm  Reply

**nnnnnathan**
@aaronpk My curiosity is piqued, where can I find more about Aperture?

12:11 pm  Reply

micro.blog

Follow me from Mastodon: [aaronpk@aaronparecki.com](aaronpk@aaronparecki.com)

How can I comment on this

[blog post, photo, issue, etc]

without having an account there?

How can I sign in to an app

that lets me post to my account?

# Traditional OAuth

# IndieAuth: Bring your own identity

# 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

## Aperture

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

**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

✔ **Approve**

aaronparecki.com

# Channels

New Channel

🔔 Notifications
2 Sources

🐦 Twitter Mentions
2 Sources

😍 IndieWeb Friends
28 Sources

💬 micro.blog
1 Sources

💡 micro.blog discover
1 Sources

📷 Instagram
1 Sources

🐦 IndieWeb
2 Sources

😻 IndieWebCat
2 Sources

# IndieAuth Providers

micro.blog          WordPress Plugin          Drupal Plugin          withknown.com

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

and more!

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

**indieweb.org    aaronpk.com**