

What web3 means for Open Source

Nader Dabit

Developer

Author

OSS contributor

Developer Relations Engineer

Teacher



what is web3?

what is web3?

**web3 is the stack of protocols that
enable fully decentralized applications.**

what is web3?



Web protocols

http, ftp, ssh, tcp, etc...

native payments, state, compute
(blockchains, smart contracts, p2p databases)

web3

Web protocols

http, ftp, ssh, tcp, etc...

+

native payments, state, compute

(blockchains, smart contracts, p2p databases)

characteristics of web3

characteristics of web3

**Decentralized
Ownership (of data & platforms)**

Digital scarcity

Native payments & state

Displaced intermediaries

Distributed & robust infrastructure

Self-sovereign identity

Open, composable back ends

Free to consume

Open by nature

Trust-less

Immutable



web3 enhances what exists.

web3 & OSS

my journey into open source

my journey into open source

Started coding 2012

First open Github commit 2014

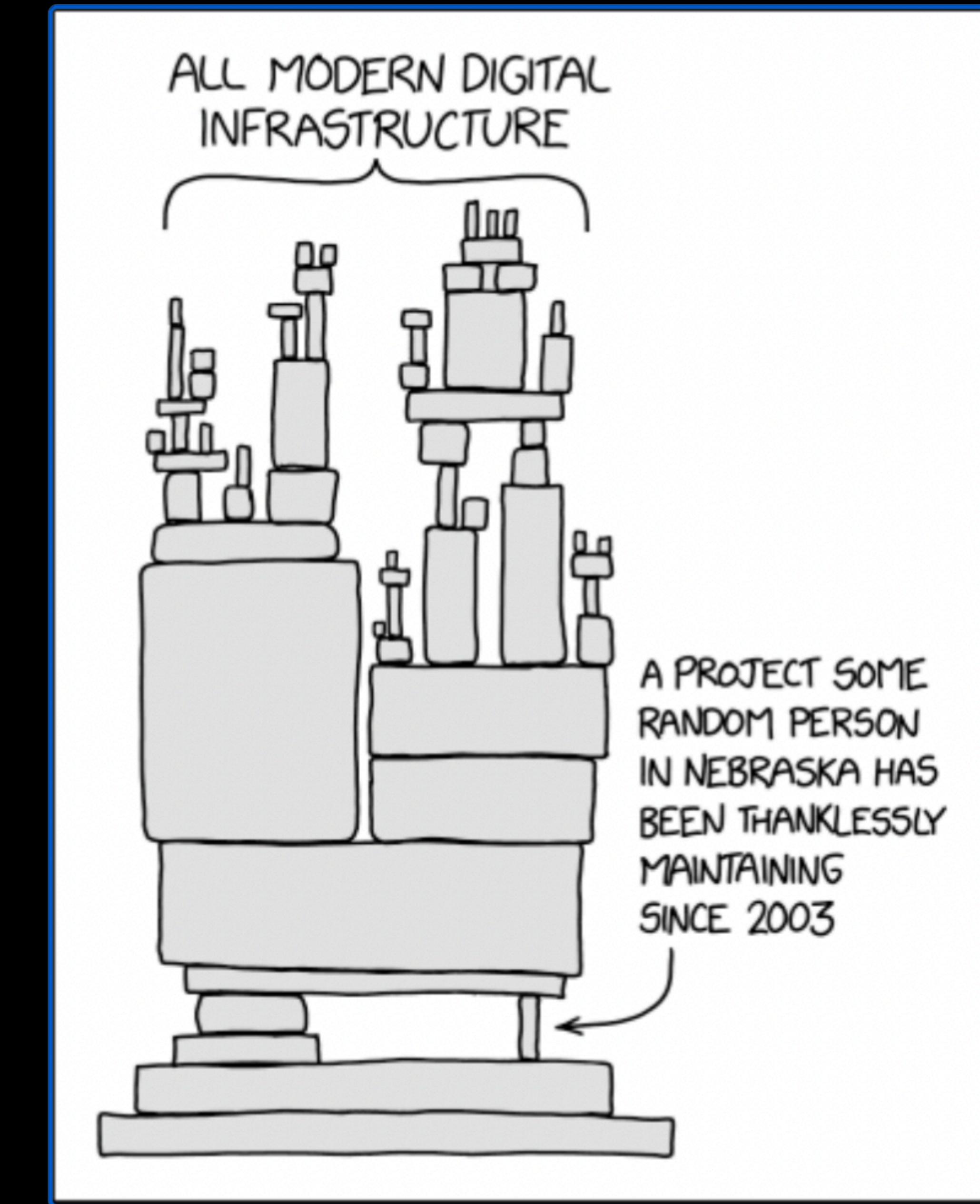
React Native Elements September 9, 2016

AWS 2017-2020

Graph Protocol 2021-2022

OSS funding models

OSS funding models



OSS funding models

Current options

Github donations

Open Collective

Patreon

Full time startup / corporate funding

General donations

web3 funding models?

web3 funding models?

Grant programs

Grant programs - over \$10 billion available

NEAR - \$800 million

Harmony One - \$300 million

Solana - Large treasury, up to \$5 million for past projects

The Graph - Over \$100 million in past 12 months

Celo - Over \$100 million

Sandbox - \$1 billion

Polygon

Ethereum Foundation

Chainlink

Grant programs

The Graph Protocol

The Guild, Graph & GraphQL development - \$48 Million

GraphQL Schema Prototyper - \$100K

Front-end Design Tool - \$400K

The Graph Academy - \$50K

Limechain Graph Protocol Testing / Tooling - \$248K

GraphQL Code Generator - \$35K

General Dapp & Subgraph Development - > \$1 Million



web3 funding models?

Protocols



Max Howell

Mar 23 · 5 min read

Listen



Something new is brewing

I created Homebrew nearly 13 years ago out of sheer necessity. I found the tooling available to developers at the time haphazard and difficult to tease into shape. After complaining about it at the pub one evening, I was met with an exasperated “Max, quit whining and do something about it”. So I did. (Thanks Jono).

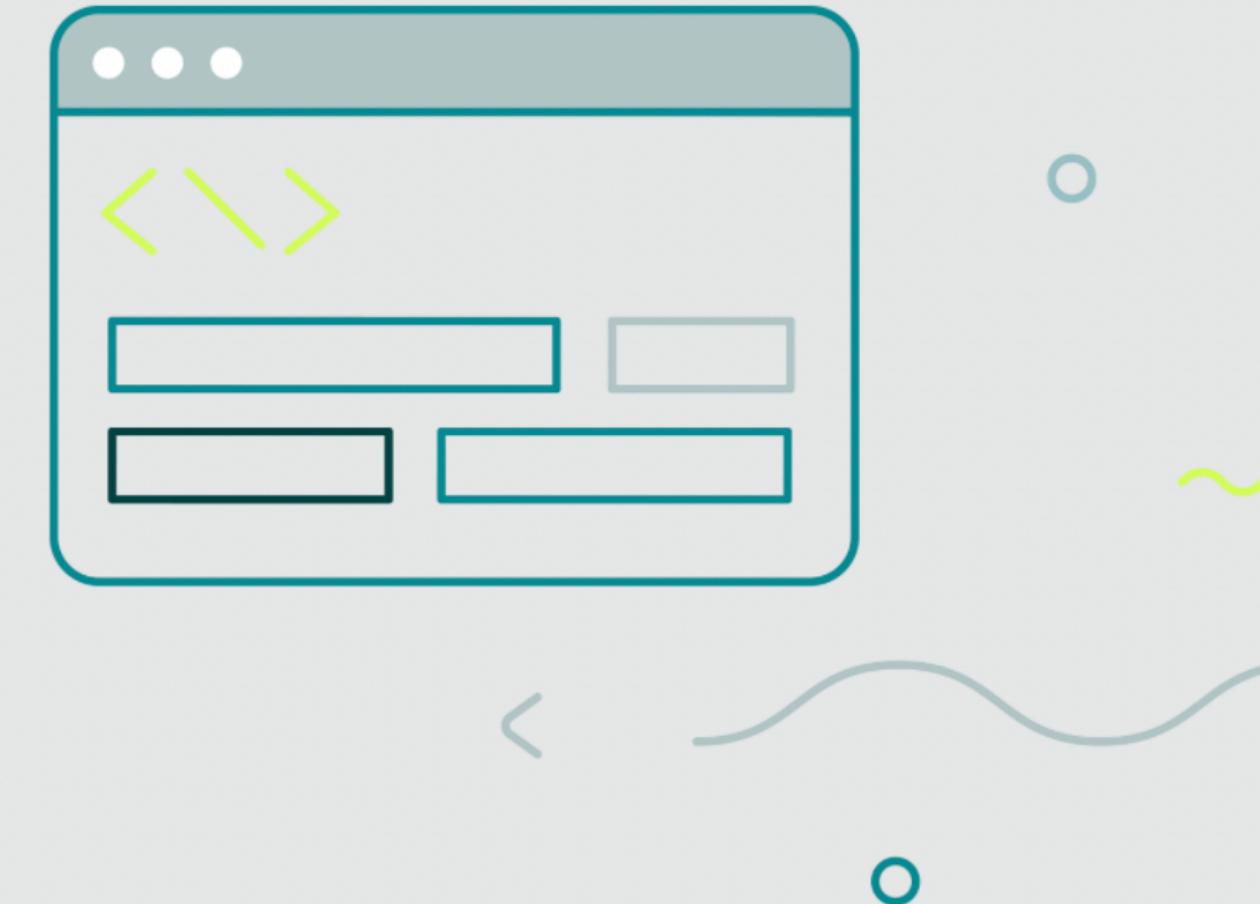


[Blog](#) [Press Release](#)

something new is brewing.

The tools that build the Internet have steeped too long.
It's time for a fresh brew.

```
$ sh <(curl tea.xyz)
```



“We’re moving the package registry on chain”

- Max Howell

Tea

- Packages will be immutable (no more left-pad incidents)
- Packages will always be available (decentralized storage)
- Releases will be signed by the maintainers themselves (rather than a middleman you are told you can trust)
- Tools can be built to fundamentally verify the integrity of your app's open source constitution
- Native utility token

Tea

Token Flow

Tea

Token flowing is where things get really interesting, but first let's set things straight: we're not changing the nature of open source. It's still free. web3 has enabled novel new ways to distribute value, and with our system people who care about the health of the open source ecosystem buy some token and stake it. Periodically, we reward this staking because it is securing our token network. We give a portion of these rewards to the staker and a portion to packages of their choice along with all the dependencies of those packages.

- Max Howell

web3 funding models?
protocols



Get paid to work on Open Source.

web3 funding models?
protocols



Radicle

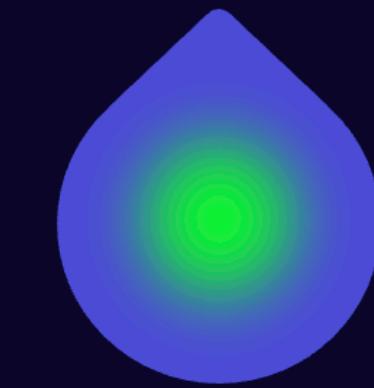


web3 funding models?

radicle DRIPS

[View the Docs →](#)

[Try the App](#)



When I drip you drip we drip.

An Ethereum protocol for generating recurring income, with subscriptions and NFT memberships. No commissions, predatory middle-men, or banks involved.



web3 funding models?

protocols



Create Drips



Drip Monthly

Stream DAI **every month** to any Ethereum address.



Split your drips

Split a **percent** of your incoming drips with any Ethereum address.



Create a Community

Fund your community by issuing **memberships** and optionally **drip to others** every time you get paid.

web3 funding models?
protocols



The Graph

web3 funding models?

Tokenization

web3 funding models?

Tokenization



TAKAWO Shunsuke

@takawo

...

My first NFT art project "generativemasks" was launched today. The project uses p5.js to generate mask graphics from 10000 unique shapes and patterns.



web3 funding models?

Tokenization



TAKAWO Shunsuke
@takawo

...

I will donate my earnings from the project to the following communities and service providers, and publish their accounts.

- * Processing Foundation
- * Processing Community Japan
- * OpenProcessing
- * NEORT
- * Coolors

Open & public back ends

Open & public back ends

(live, open source infrastructure)

web3 APIs

Traditional APIs

Centralized

Mutable

Brittle

API fluctuates over time

API can be closed at any time

web3 APIs

Distributed & robust infrastructure

Open, composable back ends

Free to consume

Open by nature

Trust-less

Immutable

web3 APIs

DeFi

web3 APIs

DeFi

> \$100 billion of transaction flow



Uniswap



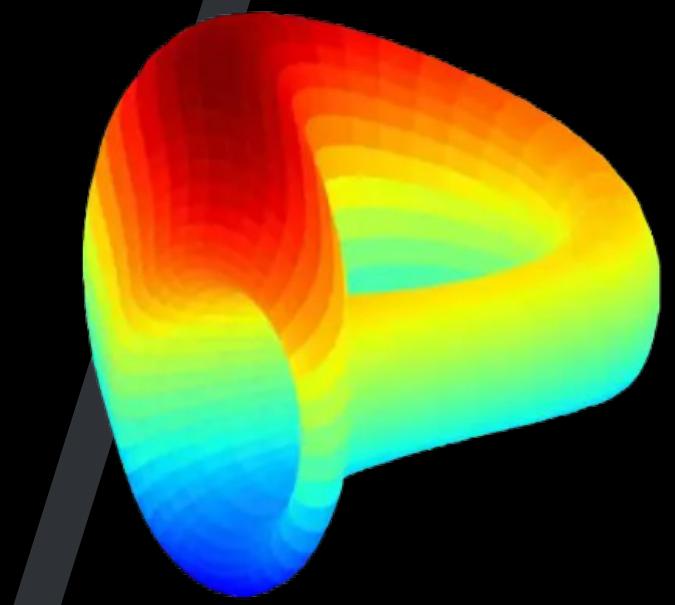
SushiSwap



DYDX



Maker



Curve

web3 APIs

NFTs

Zora is a

modular NFT marketplace protocol that will
survive as long as the underlying
blockchain.

Zora

Explore Manifesto Developers Zine

Search the metaverse...

Connect Wallet ...

< Filters 1 117,646 items

Status

Media type

Price range

Collections 402 1 Selected

Search collections...

Art Blocks 160,919 items

FND NFT 117,691 items

Zorbs 56,741 items

KnownOriginDigitalAssets 32,889 items

ASMAIFAAllStarsChar... 32,712 items

SuperRare 29,053 items

LOSTPOETS 25,747 items

Adam Bomb Squad 25,000 items

Meebits 20,000 items

CloneX 19,121 items

Clear filters

<https://zora.co/collections/foundation/78756>

Paulette "The Librarian", 2020
FND NFT • niftish.eth

Buy

Price 0.8 ETH

Caustic Lights
FND NFT • osirene.eth

Buy

Price 2.00 ETH

Sports Joke (White)
FND NFT • leandercapuozzo.eth

Buy

Price 0.4 ETH

Parseide To The Moon
FND NFT • @parnographer

Sold For 12.5 ETH

ORIGIN 1 - Ether
FND NFT • 0x75c5...F033

Sold For 0.1155 ETH

Twister
FND NFT • @seth

Sold For 0.672 ETH

Ring Around the Rosie - Angle 02
FND NFT • whatthefloor.eth

Sold For 0.651 ETH

Something Unexpected - Angle 02
FND NFT • 0x90Bb...352F

Sold For 0.8 ETH

Composability

Open & immutable data

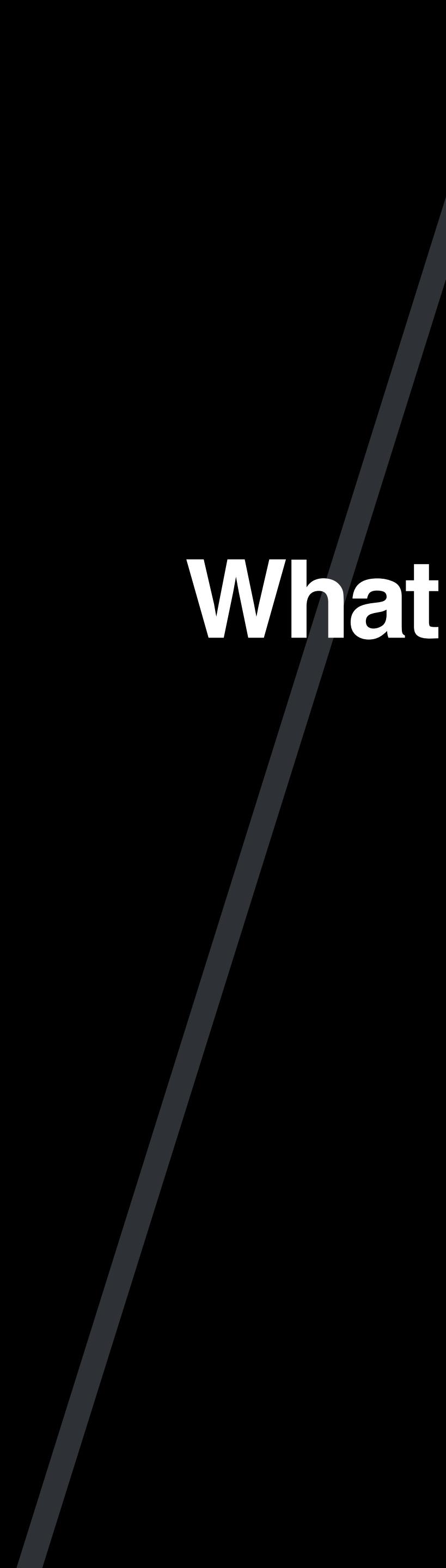
Communities & DAOs

Communities & DAOs

Developer DAO
Graph Advocates
Maker DAO
Seed Club
Superteam DAO



What does web3 mean for Open Source?



What does web3 mean for Open Source?

More.

What does web3 mean for Open Source?

More.

funding.

collaboration.

opportunities.

free and open code.

Thank You.

