



Brett Sun @sohkai

This event has ended.



JUN
09

Aragon Meetup @ BlueYard

Free

Sold Out

[DETAILS](#)



DESCRIPTION

Aragon lets you manage entire organizations using the Ethereum blockchain. Aragon enables the borderless,

DATE AND TIME

Fri, June 9, 2017
6:00 PM – 9:00 PM CEST







REWATCHING YOU NOW

RE

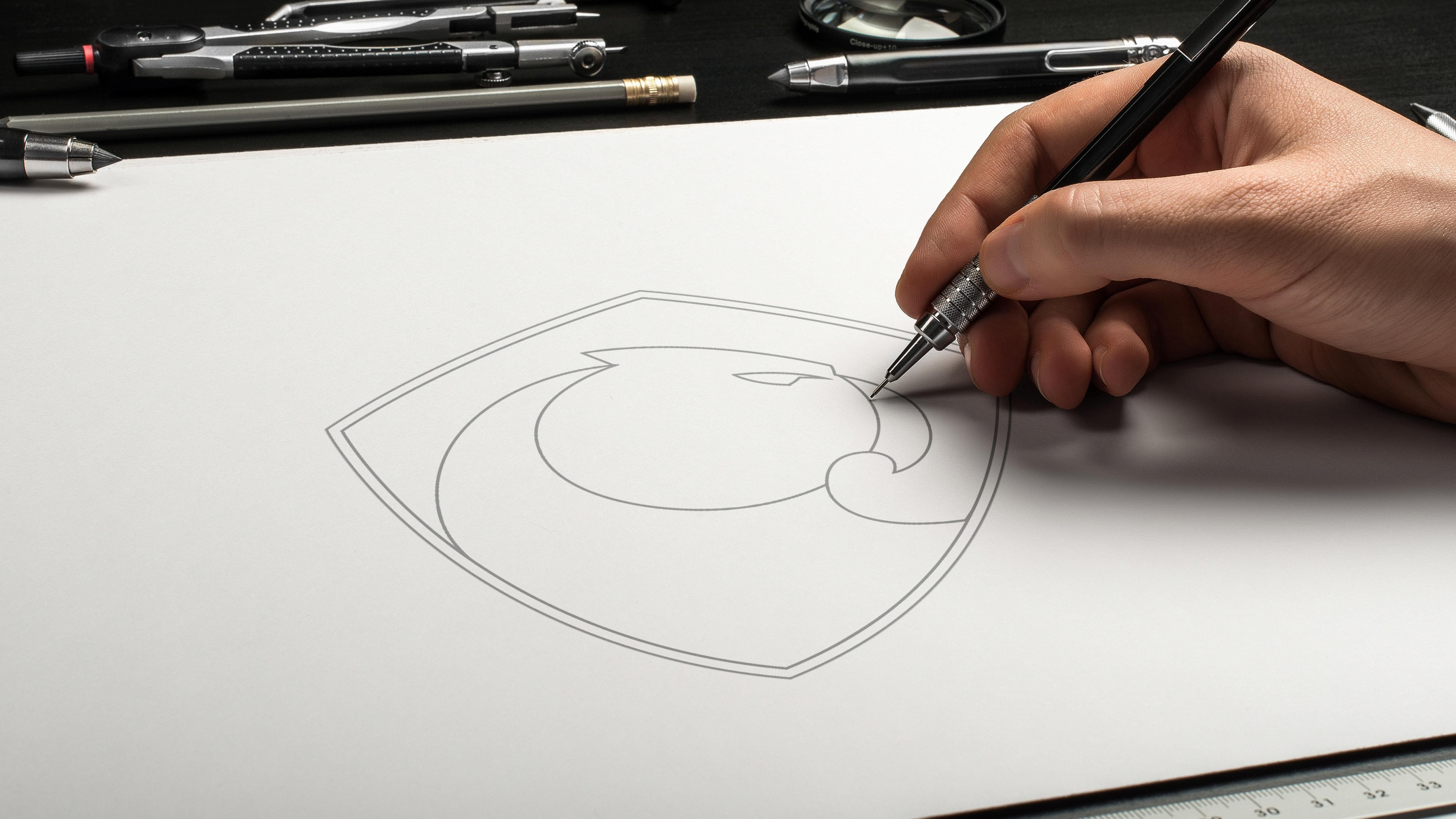


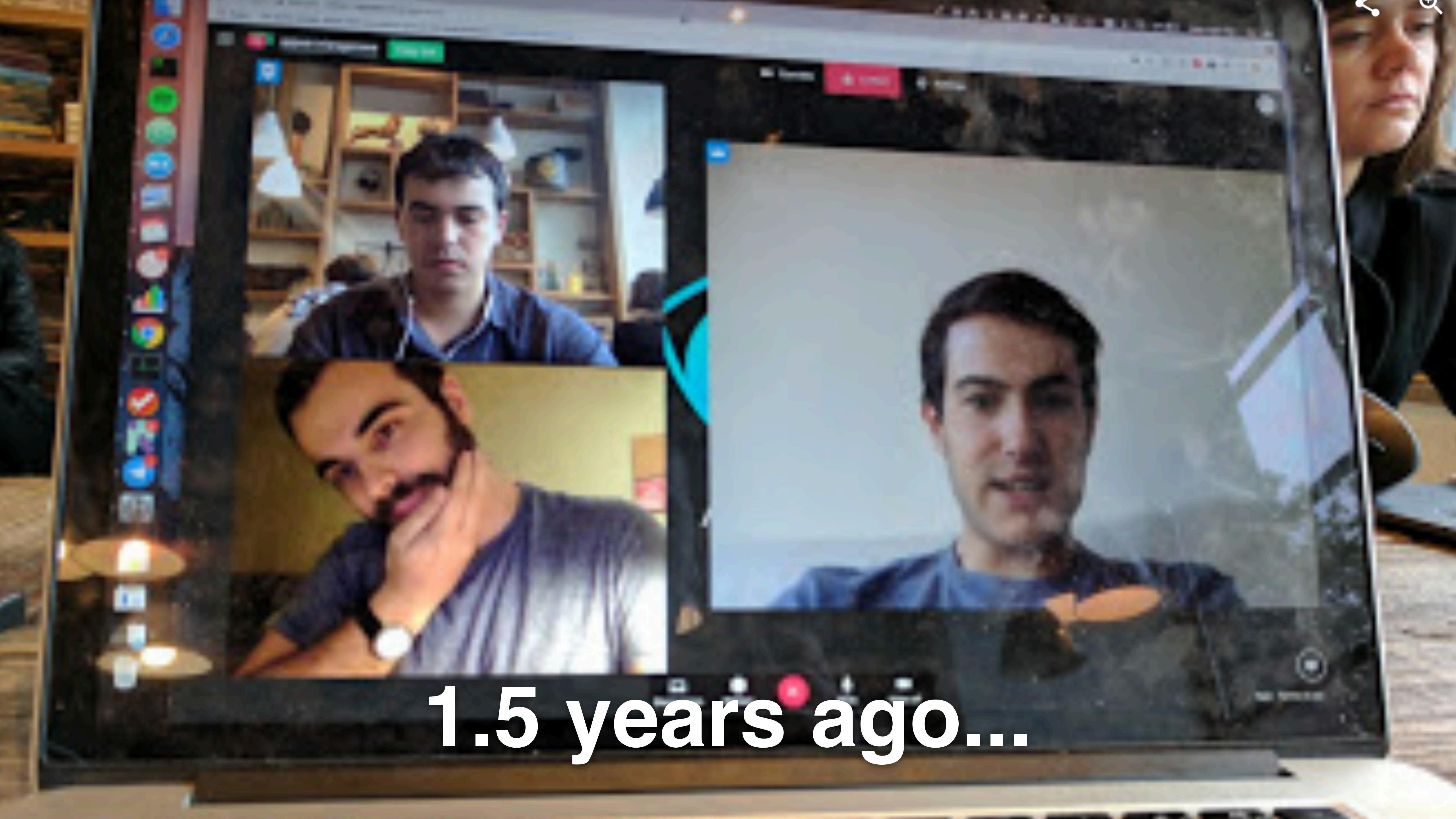
DIGITAL JURISDICTION

ARAGON NETWORK

The logo consists of two concentric circles. The inner circle is black with a white outline and features a stylized white hand icon pointing upwards and to the right. The outer ring is white with a black outline. The words "DIGITAL JURISDICTION" are written in a bold, sans-serif font along the top inner edge of the ring, colored cyan. The words "ARAGON NETWORK" are written in a smaller, regular sans-serif font along the bottom inner edge of the ring, colored white.

Aragon is a project to empower freedom by creating tools to enable *decentralized governance*.





1.5 years ago...

A close-up photograph of numerous gold-colored Bitcoin coins. The coins are stacked and overlapping, creating a sense of depth. The central coin is clearly visible, showing its characteristic hexagonal pattern of binary code in the center, surrounded by a circular border with the word "BITCOIN" and a large "B". The background is dark, making the shiny surfaces of the coins stand out.

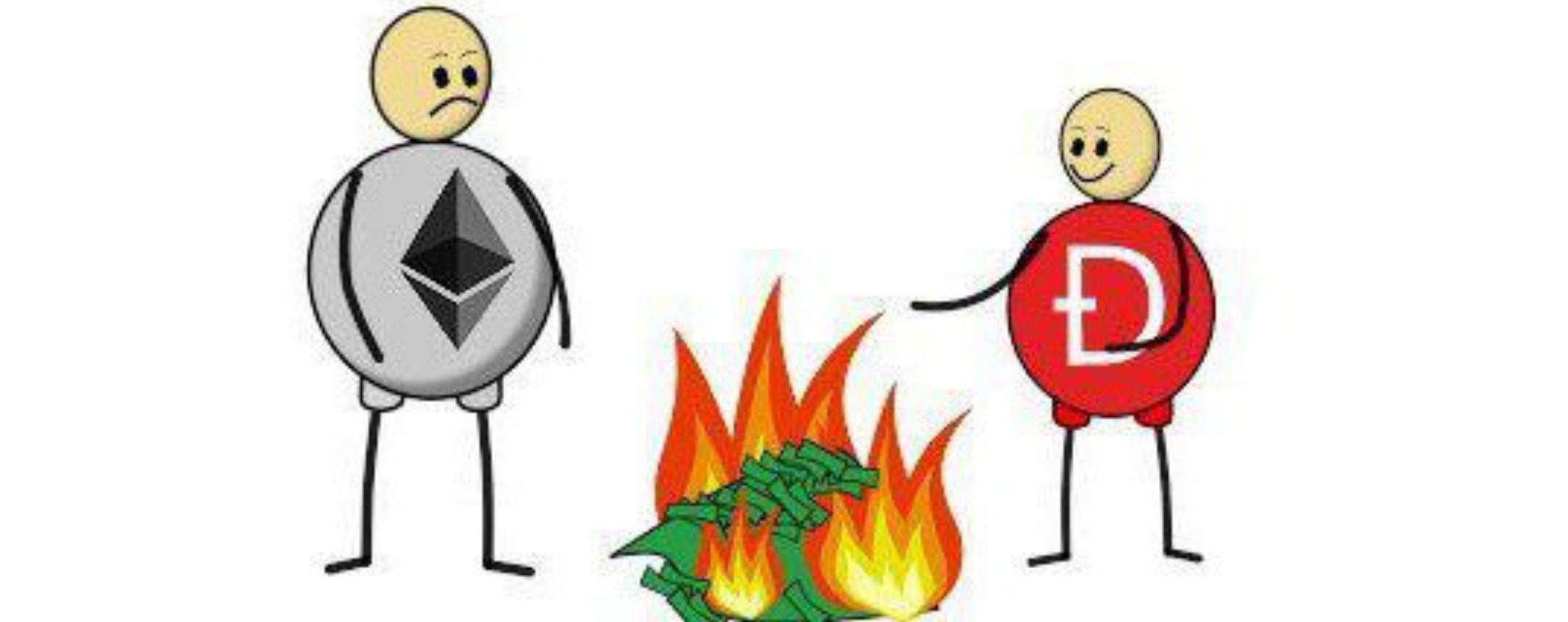
The world's first DAO

The DAO

Look how much I have.



Can I hold it?



ARAGON NETWORK
A DECENTRALIZED INFRASTRUCTURE FOR VALUE EXCHANGE

Luis Cuende

luis@aragon.one

Jorge Izquierdo

jorge@aragon.one

Version 1.1

April 20th, 2017

Abstract

The Aragon Network is a token-governed digital jurisdiction that focuses on creating the best conditions for true global indiscriminatory economic growth. Essentially, the Aragon Network is an ecosystem where organizations, entrepreneurs, and investors can

Aragon v0.1

The screenshot shows the Aragon web interface. On the left, a sidebar menu includes Home, Ownership, Voting, Roles, Fundraising, Accounting, Bylaws, and Settings. The main area displays a table of shareholders:

Shareholder	Stock class	Shares
Company reserves	CVS	0
Me	CVS	10000000
Holy Water	CVS	50001

A modal window titled "Shareholder details" is open for the shareholder "Holy Water". It shows the address `0xe730b30256bd9d3f5cbfdaad0f584307876acd25`. Below this, a section titled "Stakes" lists "CVS: 50001 (Transferable: 50001)". A chart titled "Transferrable shares (vesting)" plots share count against time, showing a linear increase from 0 to 10,000,000 over approximately 30 days.

- Decentralized company
- Your own bank



ANT

Now





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aragon / whitepaper



Watch ▾ 6

Unstar 24

Fork 2

Code

Issues 11

Pull requests 0

ZenHub

Wiki

Releases

More ▾

An opt-in digital jurisdiction for DAOs and sovereign individuals aragon.one/network

6 commits

2 branches

0 releases

2 contributors

Branch: master ▾

Create new file

Find file

Clone or download ▾

luisivan v2

Latest commit b2b36d7 14 days ago

CONTRIBUTUTE.md

v2

14 days ago

README.md

v2

14 days ago

Aragon Network

Abstract An opt-in jurisdiction that facilitates more efficient interactions between blockchain-native digital entities using economic incentives. Users are required to stake digital assets in order to participate in governance and to collateralize subjective agreements. In the event of a dispute a decentralized court serves as an oracle to resolve and enforce agreements between participants. An algorithmic monetary policy manages reserves and issuance of ANT to incentivize participation and healthy growth of the network.



**World's best currency
for economic development**



DIGITAL JURISDICTION

ARAGON NETWORK

A circular logo consisting of two concentric rings. The inner ring is white with a black outline. The outer ring is also white with a black outline. The text "DIGITAL JURISDICTION" is written in a blue, sans-serif font along the top inner edge of the outer ring. The text "ARAGON NETWORK" is written in a white, sans-serif font along the bottom inner edge of the outer ring. In the center of the logo, there is a stylized white icon resembling a hand or a gear.

SOON™

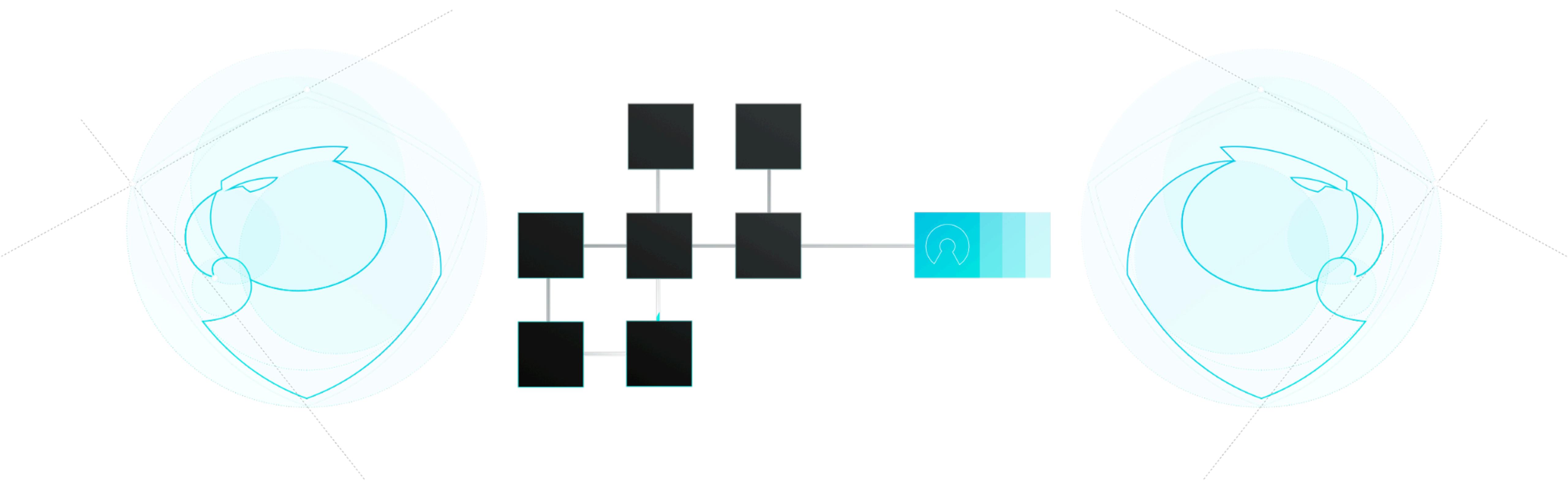


research.aragon.one

[Sign Up](#)[Log In](#)[all categories ▶](#)[all tags ▶](#)[Latest](#)[Categories](#)[Top](#)

Topic	Category	Users	Replies	Views	Activity
¶ Welcome to Aragon Research Discourse forum Welcome to the Aragon Research forum! This is the space for long-form discussions about research topics related to Aragon, the Aragon Network and Governance. The first paragraph of this pinned topic will be visible as a... read more			0	42	17d
Multi-chain contexts dispute-resolution	Economics	 	2	22	1d
TCR: MINORITY_BLOC_SLASH parameter tcr	Oracles	 	4	24	9d
TCR: get the result from a vote tcr	Oracles		3	47	9d
TCR: How to redistribute tokens after challenge is resolved tcr	Oracles	 	4	63	10d

Development



aragonOS

A screenshot of a web browser displaying a blog post on the blog.aragon.one website. The post is titled "Introducing aragonOS 3.0 alpha, the new operating system for protocols and DApps". It features a dark header with the Aragon logo and navigation links for HOME, TECH BLOG, and PRODUCT. Below the header, a dark sidebar shows social sharing icons for LinkedIn, GitHub, and Twitter, and a user profile for Jorge Izquierdo. The main content area has a white background with a dark blue footer. The title is prominently displayed in large, bold, black font. A subtitle below the title reads: "Smart contract codebase has been frozen, audit with WHG starts today and announcement for Aragon v0.5 release schedule". The footer contains the Aragon logo and the text "aronOS> launch_3.0".

Applause from Alberto Elias, Luis Cuende, and 167 others

 Jorge Izquierdo
Tech Lead @AragonProject
Jan 25 · 10 min read

Introducing aragonOS 3.0 alpha, the new operating system for protocols and DApps

Smart contract codebase has been frozen, audit with WHG starts today and announcement for Aragon v0.5 release schedule

aronOS> launch_3.0

event SetApp(bytes32 indexed namespace, bytes32 name, bytes32 in

WHG audit results

We were very impressed with quality of the code.

It is without question one of the most advanced smart contract systems in the space...

and makes extensive use of many new functionalities within Solidity and at the EVM level.

app.aragon.one

Latest release

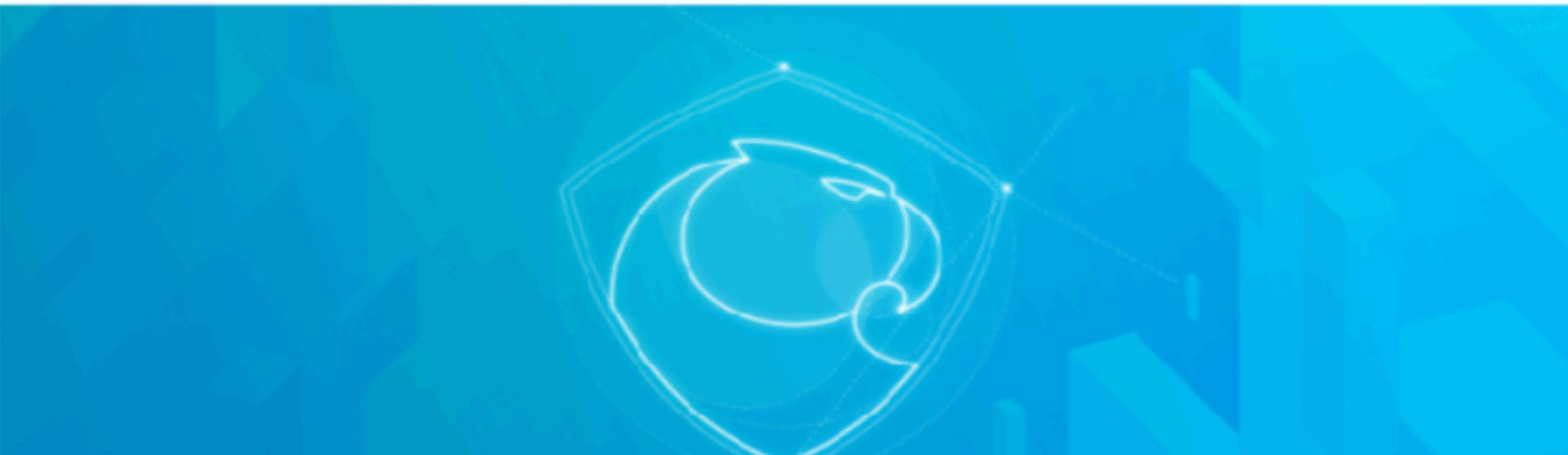
⌚ 0.5.0
ce8ce74

The Architect, v0.5 Beta

 izqui released this 21 days ago

Assets

-  [Source code \(zip\)](#)
-  [Source code \(tar.gz\)](#)



Unstoppable Organizations

Create value
without borders or
intermediaries



Welcome!

APPS

Home

Token Manager

Voting

Finance

Permissions

SOON

Apps

SOON

Settings

Welcome to Aragon 0.5 – The Architect

What do you want to do?



Assign Tokens



Vote

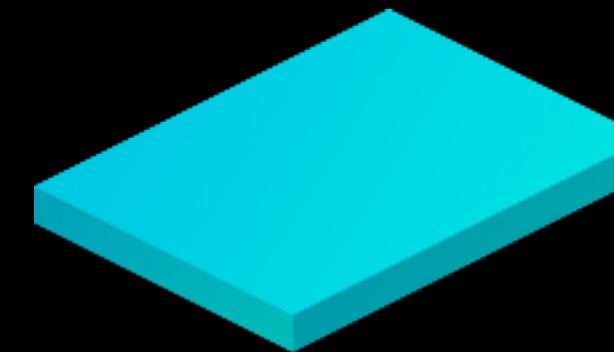


Check Finance

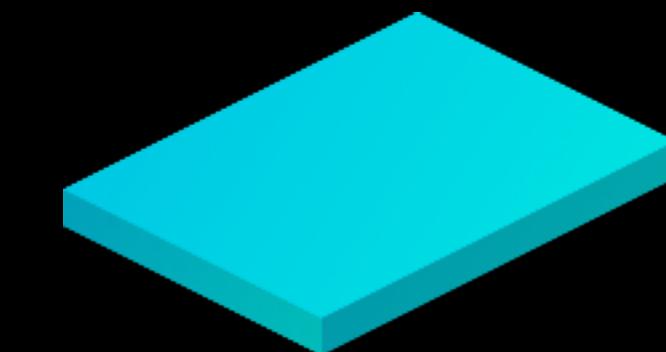


New Payment

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

Messenger

Messenger

Web3

Messenger

EVM

Kernel

ACL

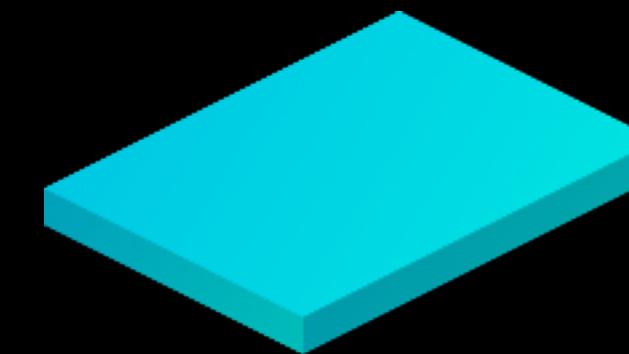
EVM Scripts

App 1

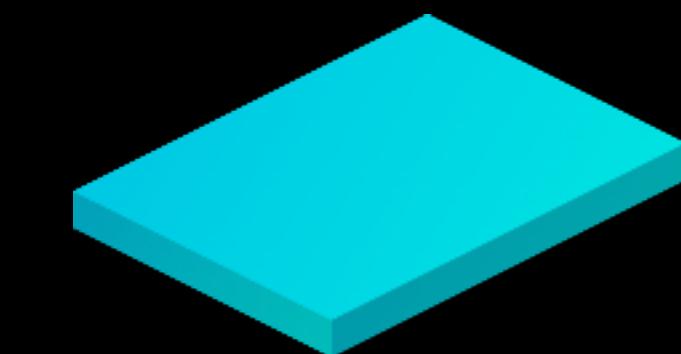
App 2

App 3

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client



Cache



Msg handler



Messenger



Messenger



Web3



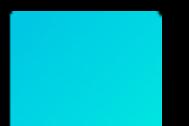
Messenger

EVM

Kernel



ACL



EVM Scripts



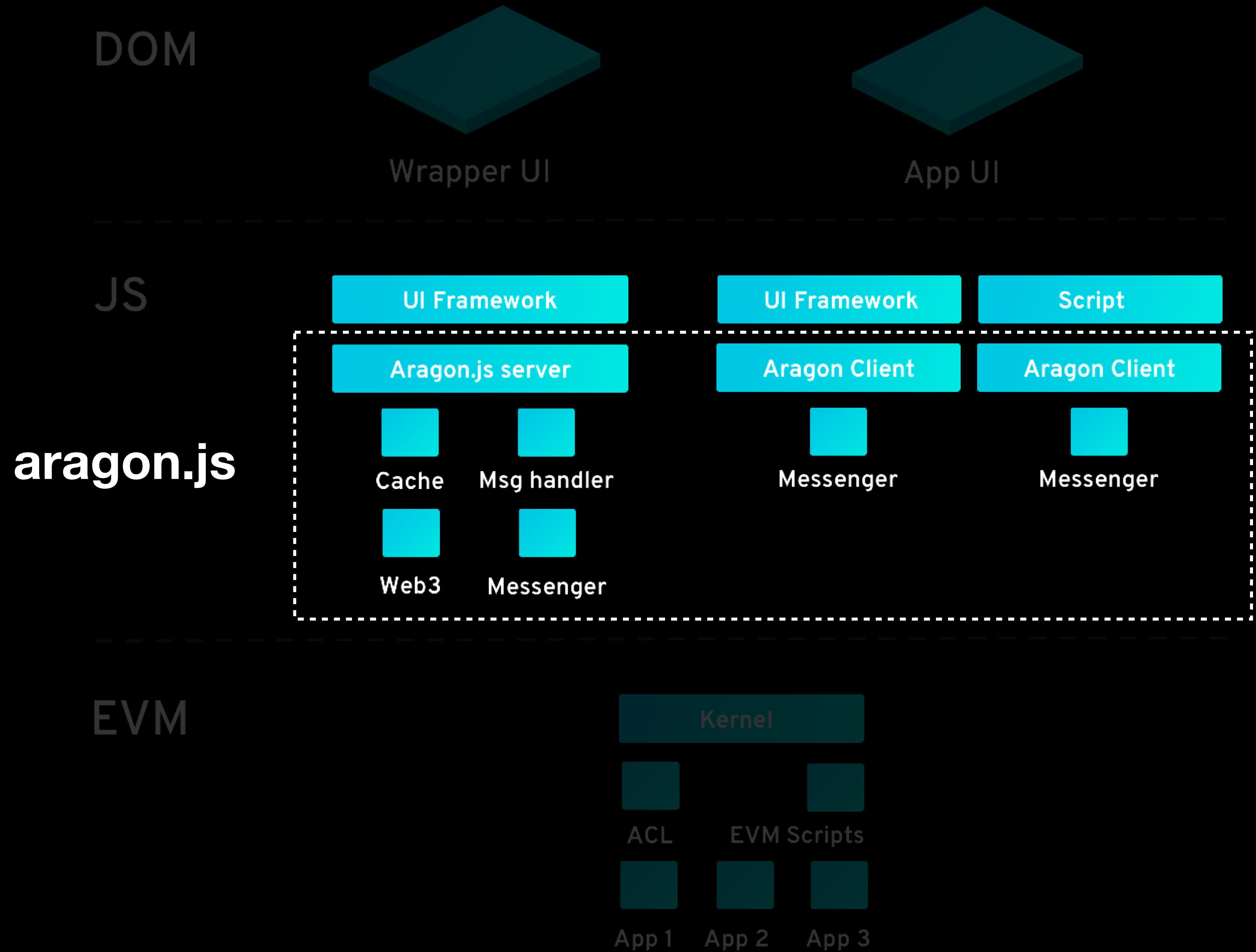
App 1



App 2



App 3



Aragon UI

The screenshot shows a web browser window displaying the Aragon UI documentation at ui.aragon.one. The page has a dark mode header with a light gray bar containing the URL and standard browser controls.

The main content area features two large cards on the right side:

- New Voting**: A card showing a pending proposal with ID 19102. It includes a "Yes" button with a green checkmark and a "No" button with a red X. Below the buttons is a progress bar with a green slider and a tooltip indicating 40% completion.
- New Payment**: A card showing a line chart representing payment activity over time, with data points from January to September.

To the left of these cards is a sidebar with the title "Aragon UI" and a navigation menu:

- STYLES**
 - Colors
 - Theme
 - Text
- CONTROLS**
 - Button
 - DropDown
 - ContextMenu
 - TextInput
 - Field
 - SafeLink
- CONTAINERS**
 - AragonApp
 - AppBar
 - SidePanel

survey.aragon.org

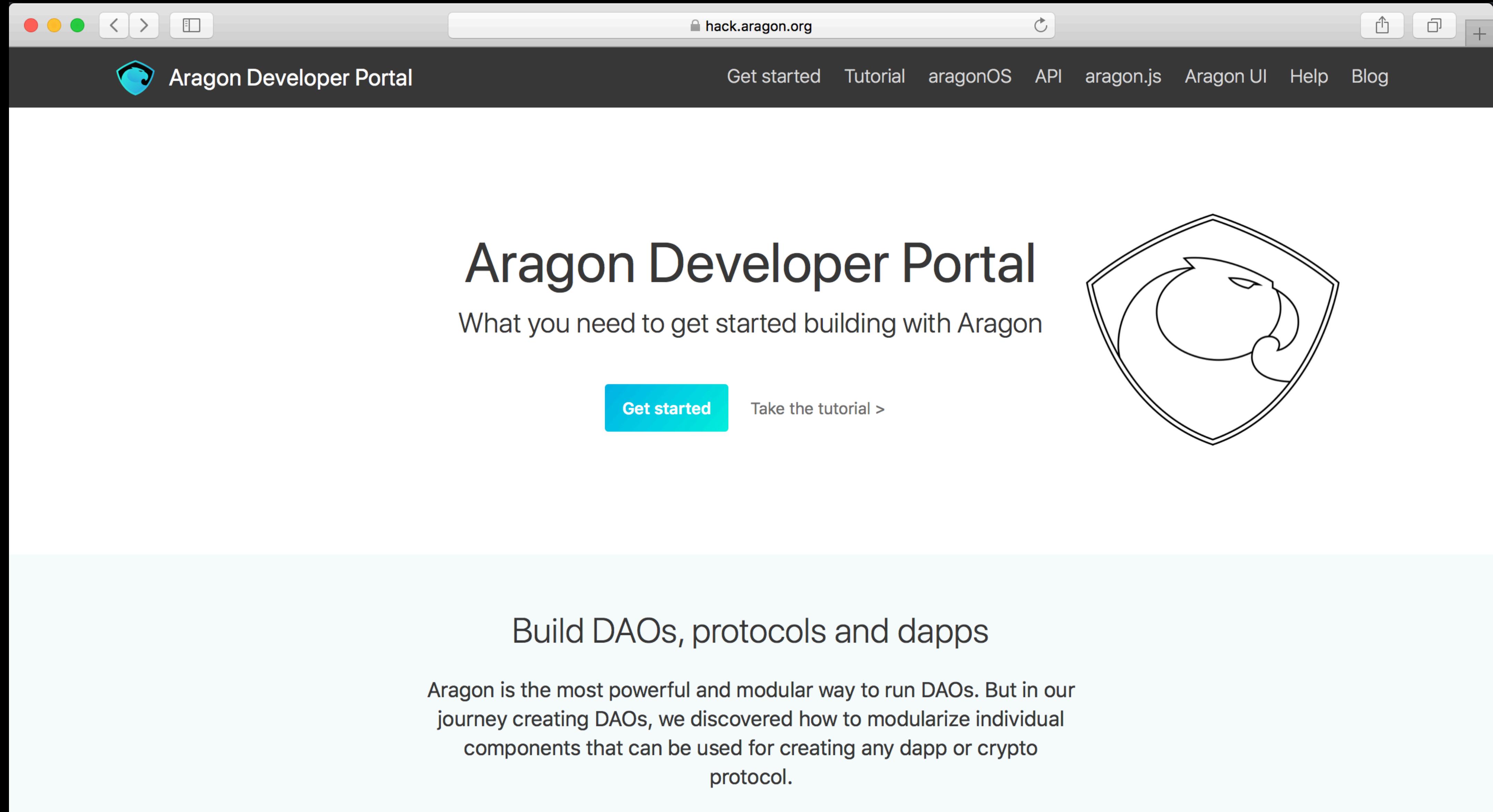
The screenshot shows a web browser window displaying a blog post from the Aragon blog. The URL in the address bar is `blog.aragon.one`. The page header includes the Aragon logo (a stylized 'M'), social media links for GitHub, Follow, and Twitter, and navigation links for HOME, TECH BLOG, PRODUCT, and a search icon. On the right side of the header are 'Sign in' and 'Get started' buttons. Below the header, a user profile for Tatu Kärki is shown, with a small photo, the name 'Tatu Kärki', a 'Follow' button, the title 'Communications Lead @AragonProject', and the date 'May 31 · 5 min read'. The main content features a large heading 'Aragon launches Survey app on Mainnet' and a subtitle 'First Aragon app launched on Ethereum Mainnet for community sentiment signaling'. Below the text is a survey interface with a teal background featuring floating 3D cubes. The survey asks 'Would you like to participate in the decision making process of DAOs?' and includes a section titled 'ALLOCATE YOUR TOKENS TO VOTE' with three options: 'Nah' (0%), 'Yes, I would love to' (70%), and 'Sometimes' (30%).

Would you like to participate in the decision making process of DAOs?

ALLOCATE YOUR TOKENS TO VOTE

OPTION	PERCENTAGE
Nah	0 %
Yes, I would love to	70 %
Sometimes	30 %

hack.aragon.one



The screenshot shows a web browser window with the URL `hack.aragon.org` in the address bar. The page title is "Aragon Developer Portal". The main content features a large heading "Aragon Developer Portal" and a sub-heading "What you need to get started building with Aragon". Below this are two buttons: a teal "Get started" button and a grey "Take the tutorial >" button. To the right is a stylized logo of a lion's head inside a shield. At the bottom, there is a section titled "Build DAOs, protocols and dapps" with a descriptive paragraph about Aragon's modular architecture.

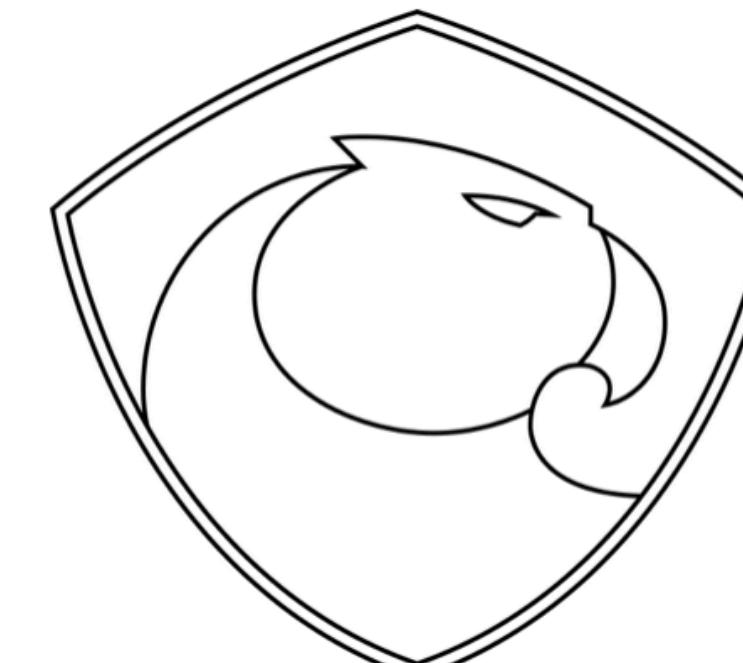
Aragon Developer Portal

Get started Tutorial aragonOS API aragon.js Aragon UI Help Blog

Aragon Developer Portal

What you need to get started building with Aragon

[Get started](#) [Take the tutorial >](#)



Build DAOs, protocols and dapps

Aragon is the most powerful and modular way to run DAOs. But in our journey creating DAOs, we discovered how to modularize individual components that can be used for creating any dapp or crypto protocol.

npm install -g @aragon/cli

› [aragon](#)

aragon <command>

Commands:

aragon apm <command>	Publish and manage your APM package
aragon contracts	Execute any Truffle command with arguments
aragon dao <command>	Manage your Aragon DAO
aragon deploy [contract]	Deploys contract code of the app to the chain
aragon devchain	Open a test chain for development and pass arguments to ganache
aragon init <name> [template]	Initialise a new application
aragon ipfs	Start IPFS daemon configured to work with Aragon
aragon run	Run the current app locally

APM:

--apm.ens-registry Address of the ENS registry
[default: "0x5f6f7e8cc7346a11ca2def8f827b7a0b612c56a1"]
--eth-rpc

APM providers:

--apm.ipfs.rpc An URI to the IPFS node used to publish files
[default: "http://localhost:5001#default"]

Aragon Package Manager

Web 3.0 package manager for arbitrary content:

- Smart contracts
- Websites
- Docker repos
- Git repos

with pluggable Aragon governance



blog.aragon.one

Edit    

HOME TECH BLOG PRODUCT

Applause from Alberto Elias and 104 others

Luis Cuende
Project Lead @AragonProject. Cofounded & Advisory Board @StampyCo. @Forbes 30under30.
HackNow Winner. Former Advisor to the VP of the EU. Freedom lover
Feb 14 · 5 min read

Decentralizing Aragon's development

Splitting the Foundation from the core devs, and kickstarting funding for other teams to work on Aragon



 1K

 2   

Next story
[The key to massive innovation...](#)

blog.aragon.one

Sign in Get started

HOME TECH BLOG PRODUCT

Luis Cuende Follow

Project Lead @AragonProject. Previously cofounded @StamperyCo. Advisor to a few crypto projects that awake my curiosity. @Forbes 30u30. @MIT TR35.

May 16 · 3 min read

Introducing Aragon One

The first company contributing to Aragon's development



ARAGON ONE

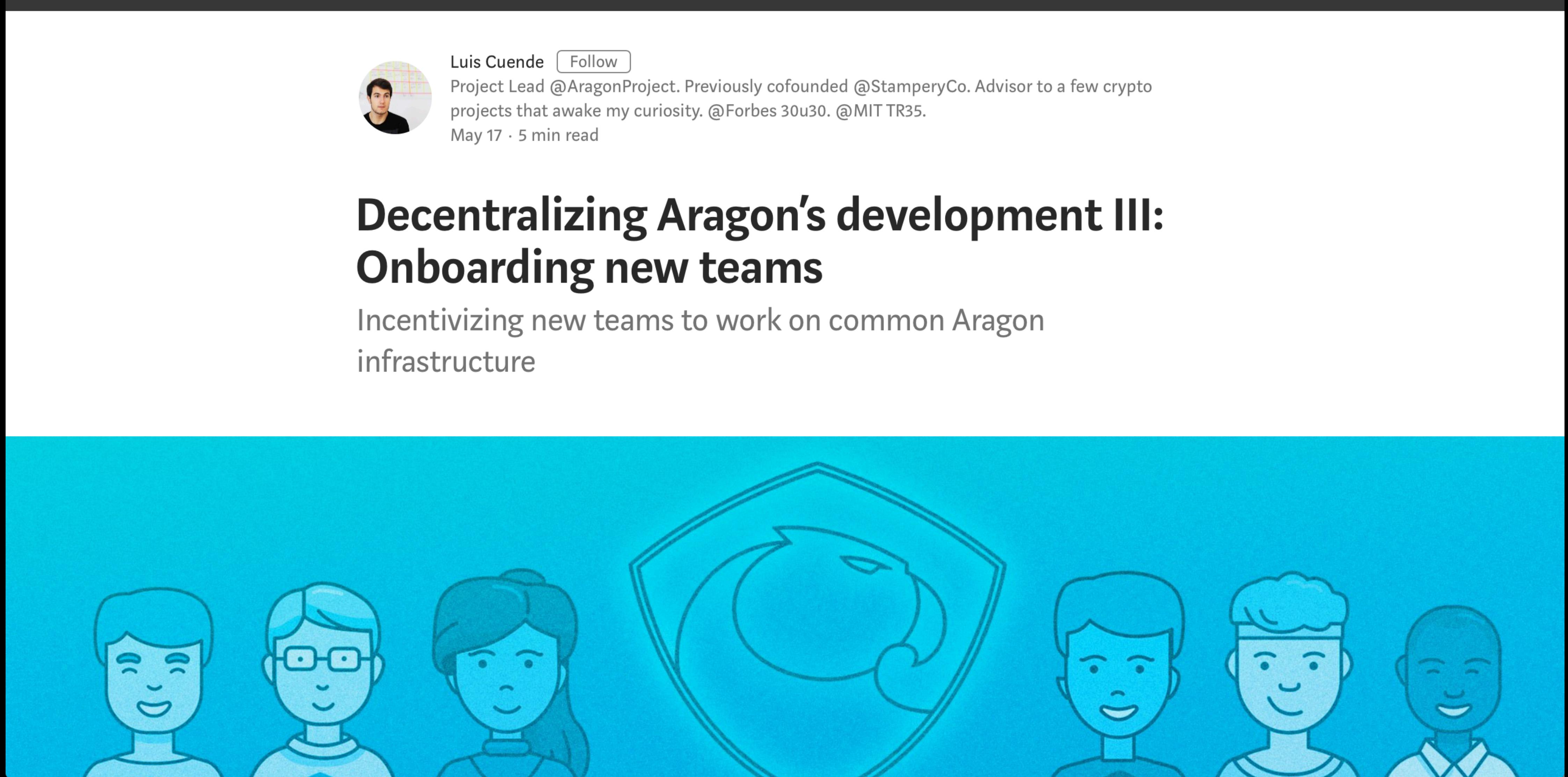
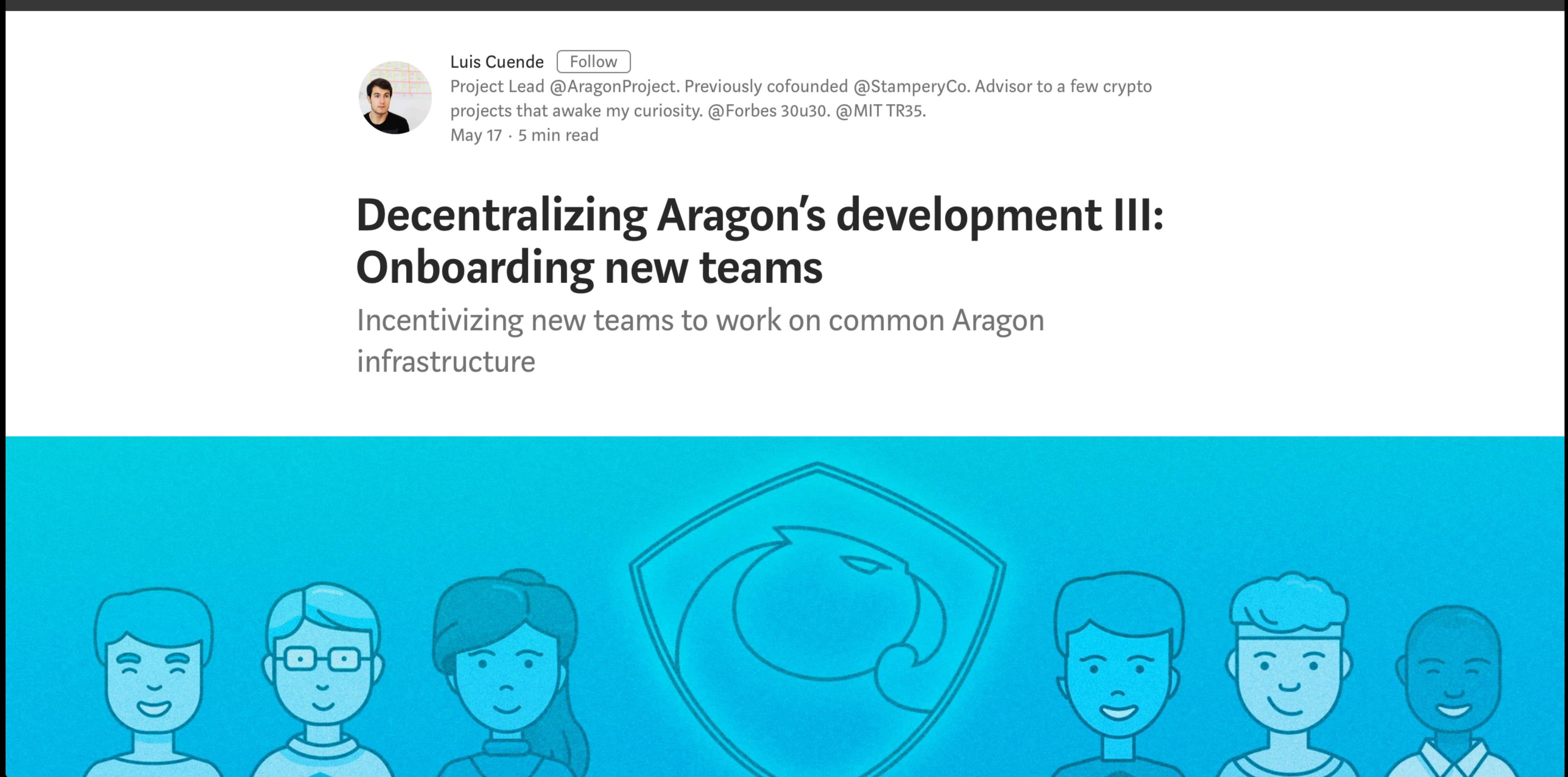
blog.aragon.one

HOME TECH BLOG PRODUCT

Luis Cuende Follow Project Lead @AragonProject. Previously cofounded @StamperyCo. Advisor to a few crypto projects that awake my curiosity. @Forbes 30u30. @MIT TR35. May 17 · 5 min read

Decentralizing Aragon's development III: Onboarding new teams

Incentivizing new teams to work on common Aragon infrastructure



Community

- 8,000 members @ aragon.chat
- 20,000 token holders
- 60,000 twitter followers

Aragon Labs



0x



Decentraland



district0x

ETHFINEX ↕

GiveTH



status

Aragon Nest

The screenshot shows the GitHub Issues page for the `aragon / nest` repository. The repository has 10 issues, 20 stars, and 9 forks. The Issues tab is selected, showing 6 open and 4 closed issues. The issues listed are:

- P2P Project Management application and data storage with Dat (`ecosystem: aragon proposal: review`)
- aronOS-compatible encrypted datastore (`ecosystem: aragon proposal: review`)
- Aragon Nest Proposal: Secret voting infrastructure using Ring/Threshold signatures (`ecosystem: aragon proposal: approved`)
- Aragon Nest Proposal: Verifiable Off-chain Tabulation of Carbon-vote signaling (`ecosystem: aragon ecosystem: broader crypto proposal: approved`)
- Aragon Nest Proposal: Open source incentivization app for Aragon (`ecosystem: aragon proposal: approved`)
- Aragon Nest Proposal: OS-level signing provider (`ecosystem: broader crypto ecosystem: ethereum proposal: approved`)

Come hang out!

aragon.one

aragon.chat

github.com/aragon

A photograph of a group of approximately 15 people, mostly men, standing together in a room. They are all wearing dark blue or black shirts with a small circular logo on the chest. The group is arranged in three rows: a back row of six people, a middle row of five people, and a front row of four people. Some individuals in the front row are kneeling or sitting on the floor. The room has white walls and a wooden floor. In the background, there is a white cabinet with some items on top, including a vase with flowers and a small figurine.

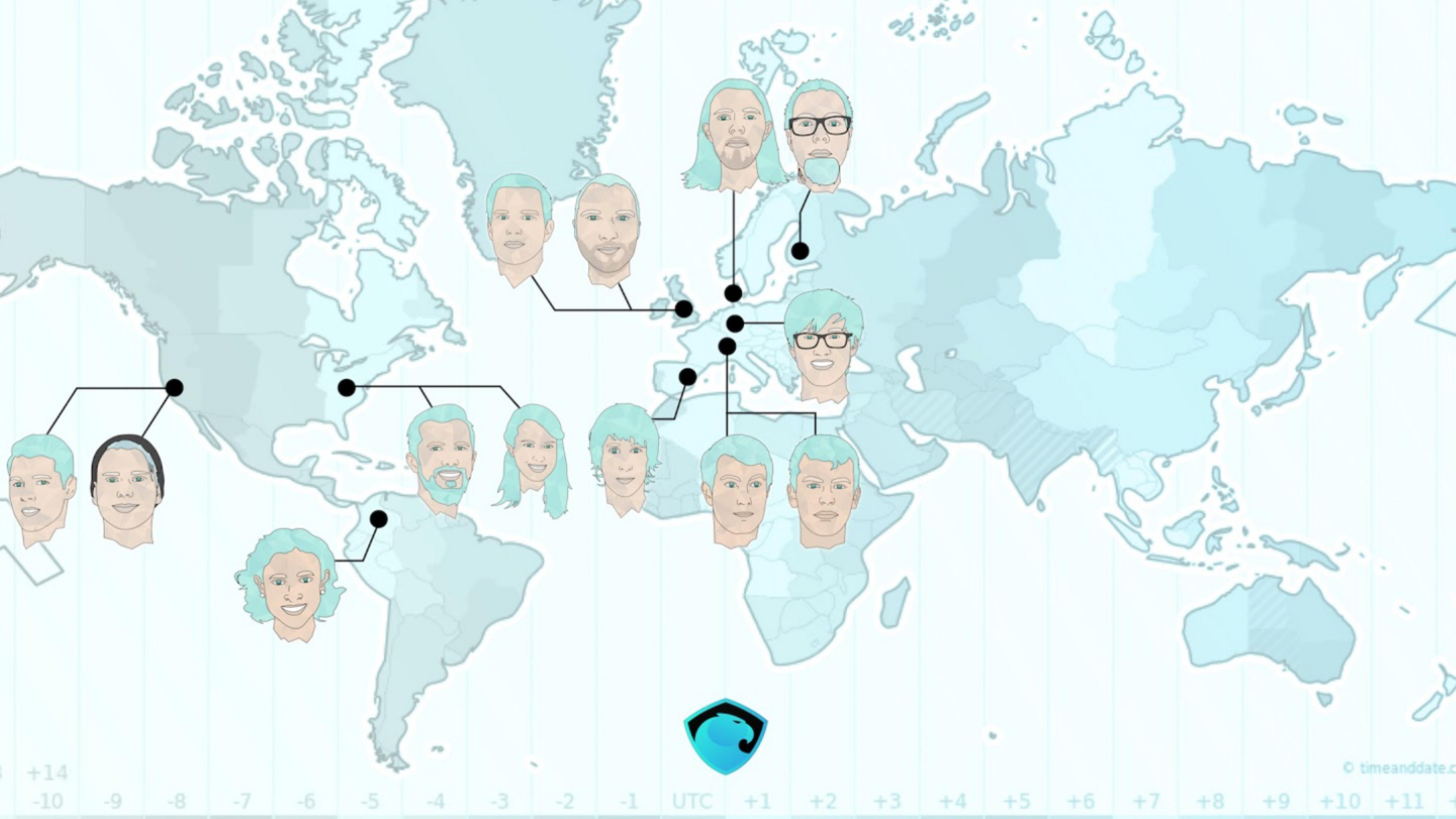
Aragon One team

aragon.one/about

A photograph of a group of approximately 15 people, mostly men, standing together in an indoor setting. They are all wearing dark blue or black long-sleeved shirts with a small circular logo on the chest. The group is arranged in three rows: a back row of six people, a middle row of five people, and a front row of four people. Some individuals in the front row are kneeling or sitting on the floor. The background shows a white wall with some decorations, including a vase with flowers and a small framed picture. The overall atmosphere is professional and cohesive.

Aragon One team

aragon.one/about



+14
+13
+12
+11
+10
-9
-8
-7
-6
-5
-4
-3
-2
-1
UTC
+1
+2
+3
+4
+5
+6
+7
+8
+9
+10
+11
+12

timeanddate.com

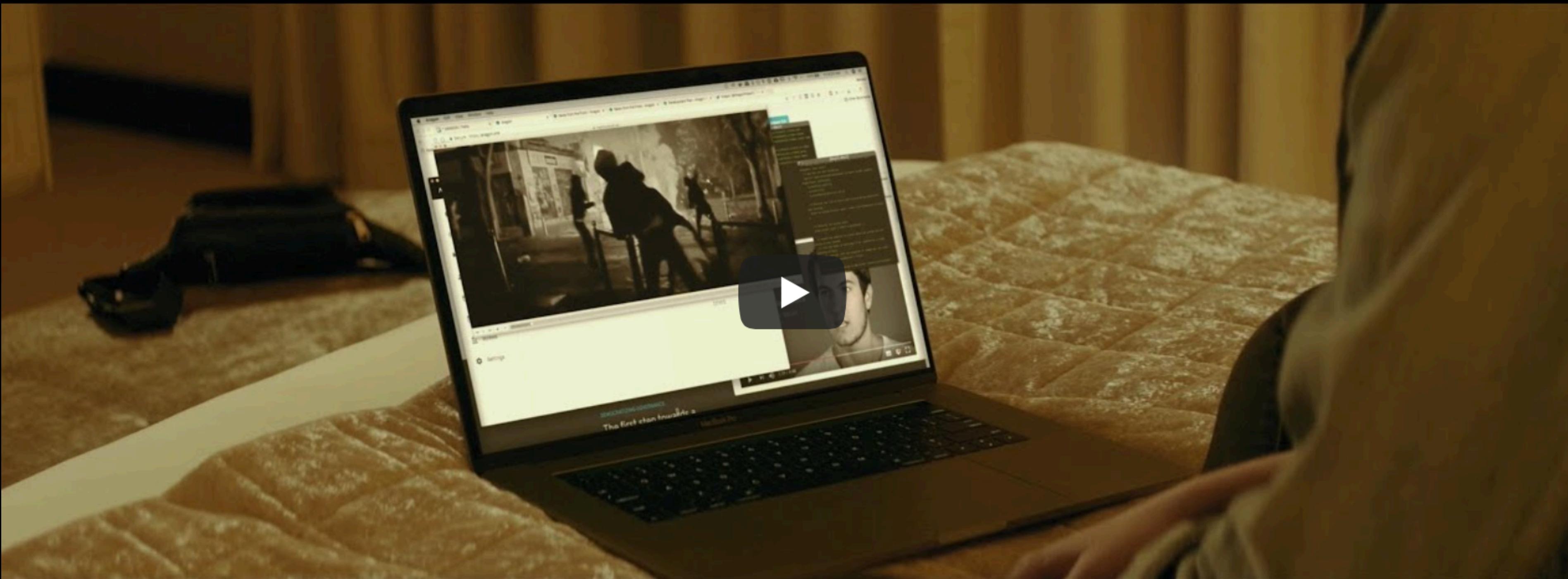
Hiring

THIS IS AN
ADVERTISEMENT

- **React, UI Engineers** (fulltime + contractors)
- **Developer Relations** (fulltime)

wiki.aragon.one/jobs

Aragon - The fight for freedom



5:51

<https://www.youtube.com/watch?v=AqjIWmiAidw>

APP.ARAGON.ONE

[Latest release](#)

⌚ 0.5.0
◆ ce8ce74

[Edit](#)

The Architect, v0.5 Beta

 izqui released this 21 days ago

Assets

- [Source code \(zip\)](#)
- [Source code \(tar.gz\)](#)





Welcome!

APPS

Home

Token Manager

Voting

Finance

Permissions

SOON

Apps

SOON

Settings

Welcome to Aragon 0.5 – The Architect

What do you want to do?



Assign Tokens



Vote



Check Finance



New Payment



Token

NGO

Assign Tokens

APPS

Home

Token Manager

Voting

Finance

Permissions

SOON

Apps

SOON

Settings

OWNER

0x772080b0D48De808dbE0F4050083B0f9205F6D29

YOU



0x15bdCb6651f5a5e9Cef07b2a981dd270BA505051



0xC43B0C4b6d227536238f071fBa7e624b2A632830



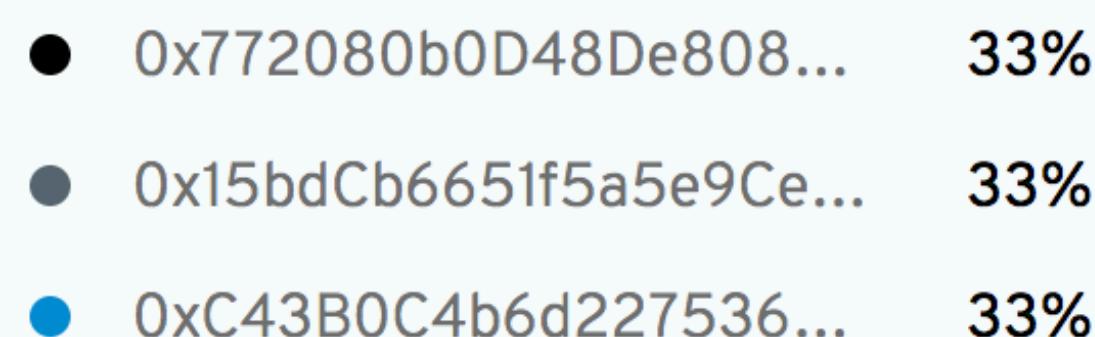
TOKEN INFO

Total Supply

3

OWNERSHIP DISTRIBUTION

Token Holder Stakes





Vote

[New Vote](#)

APPS

Opened Votes 1

[Home](#)[Token Manager](#)[Voting](#)[Finance](#)[Permissions](#)

SOON

[Apps](#)

SOON

[Settings](#)

TIME REMAINING	QUESTION	TOTAL VOTES	PROGRESS	ACTIONS
⌚ 00 D 23 H:58 M:14 s	Should we fund disaster relief for victims of hurricane Irma?	33.33%		View Vote

Closed Votes

STATUS	QUESTION	TOTAL VOTES	RESULT	ACTIONS
Approved	Token Manager (ngo): Mint 1 tokens for 0xC43B0C4b6d227536238f071fBa7e624b2A632830	50%		View Vote
Approved	Should we help reimagine democracy in the United States of America?	50%		View Vote
Approved	Finance: Create a new payment of 753 BCC. It will be executed 1 times at intervals of 0 days	50%		View Vote
Approved	Token Manager (ngo): Mint 1 tokens for 0x15bdCb6651f5a5e9Cef07b2a981dd270BA505051	100%		View Vote



Finance

[New Transfer](#)

APPS

Token Balances

[Home](#)[Token Manager](#)[Voting](#)[Finance](#)[Permissions](#)[Apps](#)[Settings](#)

SOON

SOON

SOON

BCC	ETH	ZRX	DNT	ANT	MANA	SPANK	SNT	MKR
26	3.14	453	137	0	0	0	0	0
\$340,358.69	\$1,613.52	\$319.01	\$9.26	\$0	\$0	\$0	\$0	\$0

Transfers

TOKEN: All

TRANSFER TYPE: All

DATE	SOURCE / RECIPIENT	REFERENCE	AMOUNT	
13/04/18	0x61D463f2613F04053bc875C72aA9dA22348Da2b5	Food aid	-753 BCC	...
13/04/18	0x39a4D265db942361D92e2B0039cae73Ea72a2ff9	Requested airdrop (test tokens)	+453 ZRX	...
13/04/18	0x772080b0D48De808dbE0F4050083B0f9205F6D29	Ether transfer to Finance app	+3.14152 ETH	...
13/04/18	0x39a4D265db942361D92e2B0039cae73Ea72a2ff9	Requested airdrop (test tokens)	+137 DNT	...

Vote

New Vote

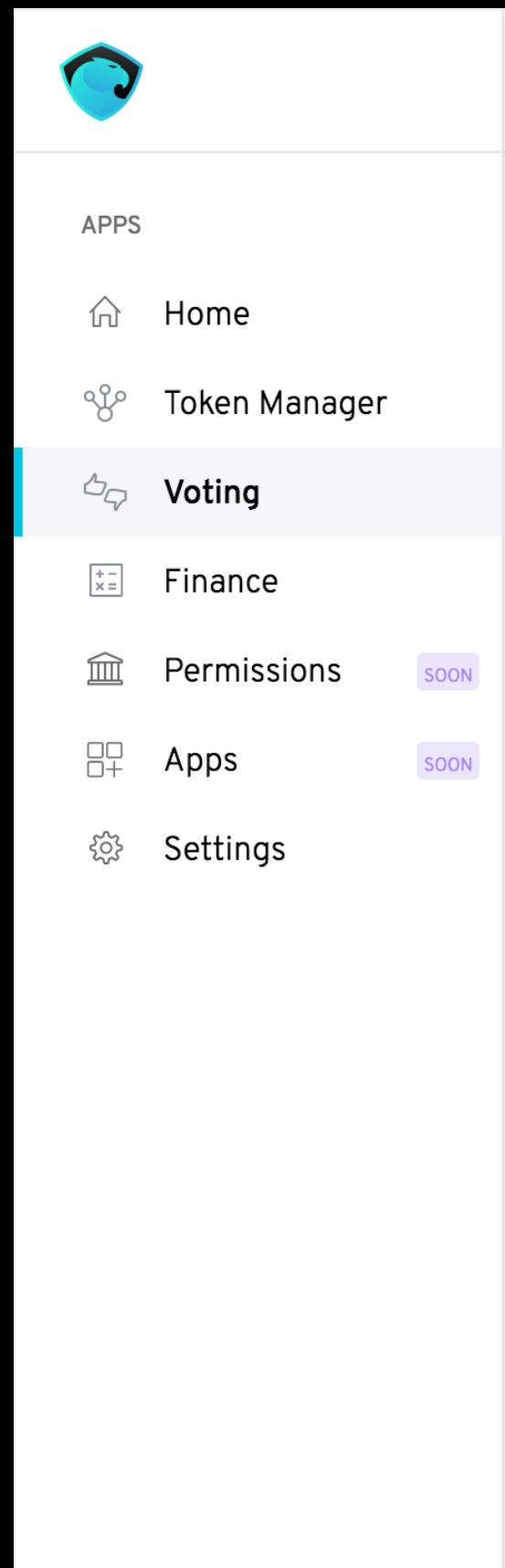
Opened Votes 1

TIME REMAINING	QUESTION	TOTAL VOTES	PROGRESS	ACTIONS
00 D 23 H : 58 M : 14 S	Should we fund disaster relief for victims of hurricane Irma?	33.33%	<div style="width: 33.33%;"><div style="width: 50%;">✓</div></div>	<button>View Vote</button>

Closed Votes

STATUS	QUESTION	TOTAL VOTES	RESULT	ACTIONS
✓ Approved	Token Manager (ngo): Mint 1 tokens for 0xC43B0C4b6d227536238f071fBa7e624b2A632830	50%	<div style="width: 50%;"><div style="width: 50%;">✓</div></div>	<button>View Vote</button>
✓ Approved	Should we help reimagine democracy in the United States of America?	50%	<div style="width: 50%;"><div style="width: 50%;">✓</div></div>	<button>View Vote</button>
✓ Approved	Finance: Create a new payment of 753 BCC. It will be executed 1 times at intervals of 0 days	50%	<div style="width: 50%;"><div style="width: 50%;">✓</div></div>	<button>View Vote</button>
✓ Approved	Token Manager (ngo): Mint 1 tokens for 0x15bdCb6651f5a5e9Cef07b2a981dd270BA505051	100%	<div style="width: 100%;"><div style="width: 100%;">✓</div></div>	<button>View Vote</button>

Wrapper



Sandboxed app

Vote

New Vote

Opened Votes 1

TIME REMAINING	QUESTION	TOTAL VOTES	PROGRESS	ACTIONS
00D 23H:58M:14S	Should we fund disaster relief for victims of hurricane Irma?	33.33%	<div style="width: 33.33%;">✓</div> <div style="width: 66.67%;">✗</div>	<button>View Vote</button>

Closed Votes

STATUS	QUESTION	TOTAL VOTES	RESULT	ACTIONS
✓ Approved	Token Manager (ngo): Mint 1 tokens for 0xC43B0C4b6d227536238f071fBa7e624b2A632830	50%	<div style="width: 50%;">✓</div> <div style="width: 50%;">✗</div>	<button>View Vote</button>
✓ Approved	Should we help reimagine democracy in the United States of America?	50%	<div style="width: 50%;">✓</div> <div style="width: 50%;">✗</div>	<button>View Vote</button>
✓ Approved	Finance: Create a new payment of 753 BCC. It will be executed 1 times at intervals of 0 days	50%	<div style="width: 50%;">✓</div> <div style="width: 50%;">✗</div>	<button>View Vote</button>
✓ Approved	Token Manager (ngo): Mint 1 tokens for 0x15bdCb6651f5a5e9Cef07b2a981dd270BA505051	100%	<div style="width: 100%;">✓</div> <div style="width: 0%;">✗</div>	<button>View Vote</button>

iframe



The image displays three overlapping mobile application screens against a black background.

Welcome Screen:

- Header: Welcome!
- Content: A large button labeled New Payment with a plus sign icon.
- Footer: A QR code labeled Check Finance.

Vote Screen:

- Header: Vote
- Section: Opened Votes (1)
- Time Remaining: 00:23:58 M:14 s
- Question: Should we fund disaster relief for victims of hurricane Irma?
- Progress: 33.33% (green bar)
- Actions: New Vote, View Vote
- Section: Closed Votes
- Status: Approved (green checkmark)
- Question: Token Manager (n go): Mint 1 tokens for 0xC4380C4bfcd227536238f071Bafe624b2A632830
- Progress: 50% (green bar)
- Actions: View Vote
- Status: Approved (green checkmark)
- Question: Should we help reimagine democracy in the United States of America?
- Progress: 50% (green bar)
- Actions: View Vote
- Status: Approved (green checkmark)
- Question: Finance: Create a new payment of 753 BCC. It will be executed 1 times at intervals of 0 days
- Progress: 100% (green bar)
- Actions: View Vote
- Status: Approved (green checkmark)
- Question: Token Manager (n go): Mint 1 tokens for 0x15bdC6651f5a5e9Ce07b2a981dd2708A505051
- Progress: 100% (green bar)
- Actions: View Vote

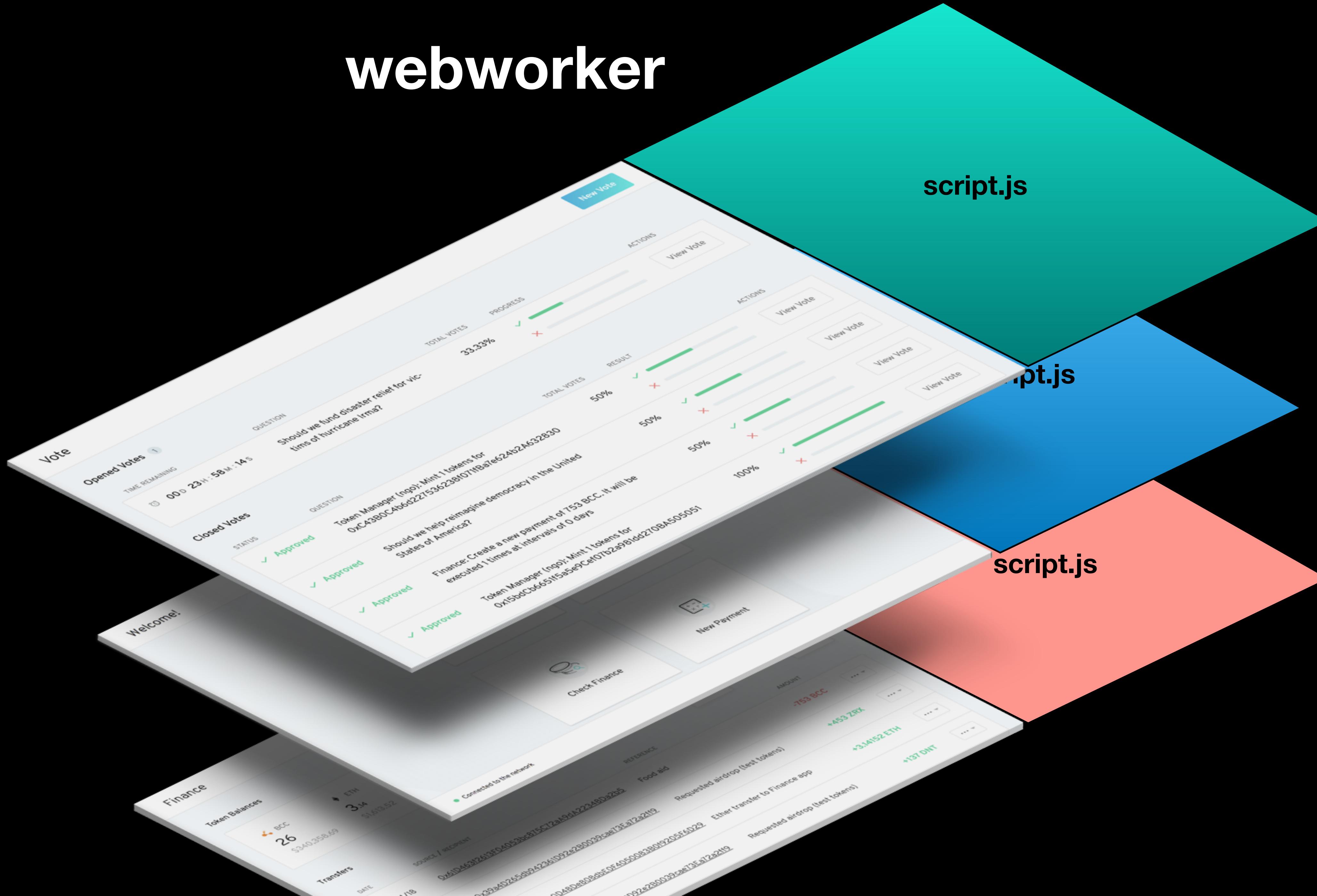
Finance Screen:

- Header: Finance
- Token Balances:
 - BCC: 26 \$340,358.69
 - ETH: 3.14 \$1,613.52
- Transfers:
 - source / recipient: 0x61D46312610F04059bc815C72a9e1b22340d2255 Date: 18/09/2019 Transfer: Food sid Reference: Requested airdrop (test tokens) Value: -753 BCC
 - source / recipient: 0x3934D26508942361D924280032ca8f35fa12a219 Date: 18/09/2019 Transfer: Ether transfer to Finance app Reference: Requested airdrop (test tokens) Value: +3,14152 ETH
 - source / recipient: 0x249De8088fE5X456001809205f6029 Date: 18/09/2019 Transfer: Requested airdrop (test tokens) Reference: Requested airdrop (test tokens) Value: +137 DNT
- Message: Connected to the network.

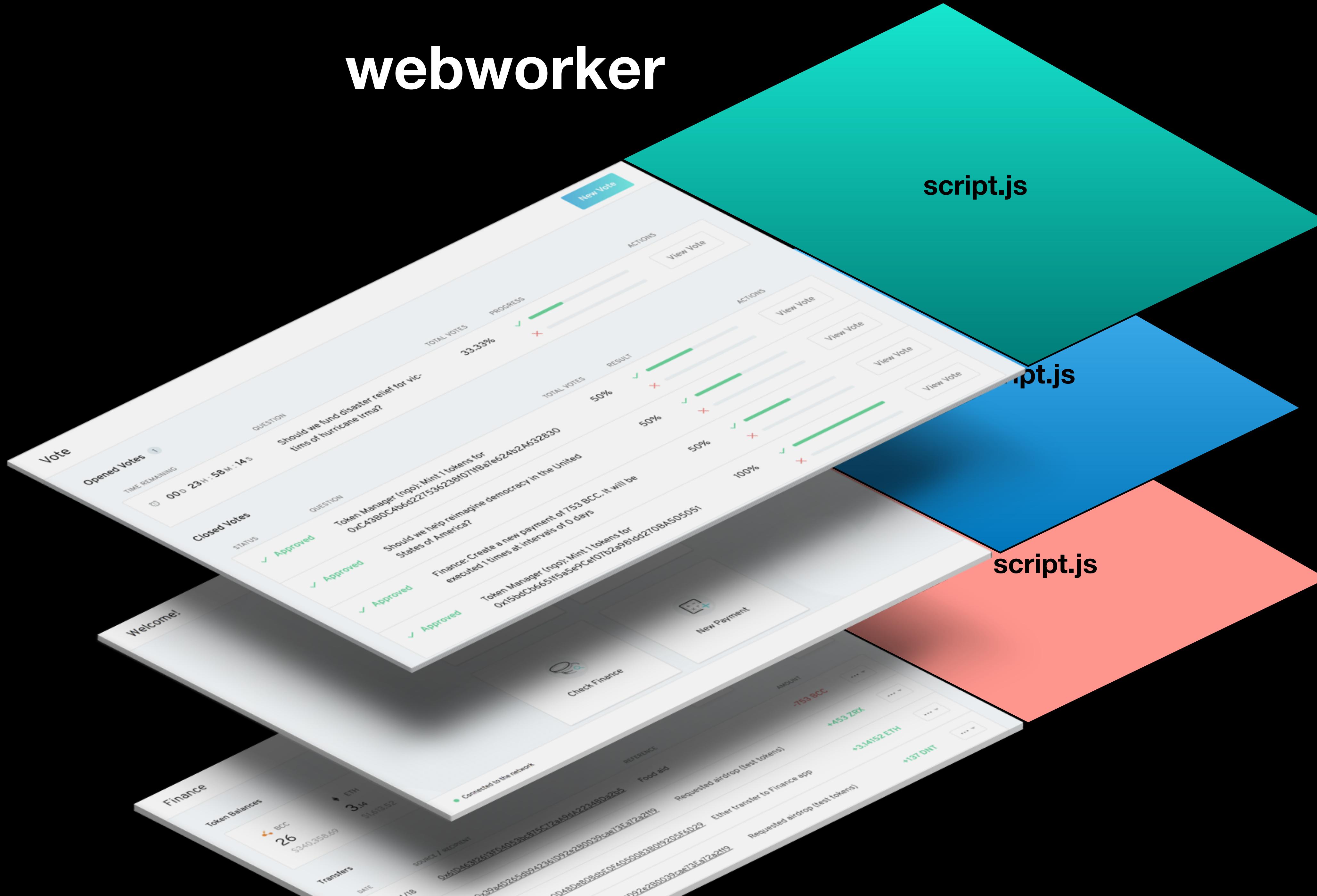
The image displays three mobile application screens stacked in a 3D perspective:

- Welcome:** The top screen shows a "Welcome!" message. Below it is a "New Payment" button with a plus sign icon.
- Finance:** The middle screen shows a "Check Finance" button. Below it is a table of token balances and transfers. A green dot indicates "Connected to the network".
- Vote:** The bottom screen shows a list of "Opened Votes" and "Closed Votes".
 - Opened Votes:** One entry for "Should we fund disaster relief for victims of hurricane Irma?" with a progress bar at 33.33%.
 - Closed Votes:** Four entries, all marked as "Approved":
 - Token Manager (n go): Mint 1 tokens for 0xC43B0C456d227536238f07fBaTe624b2A632830
 - Should we help reimagine democracy in the United States of America?
 - Finance: Create a new payment of 753 BCC. It will be executed 1 times at intervals of 0 days
 - Token Manager (n go): Mint 1 tokens for 0x15bdCb665ff5a5e9Cef07b2a981dd2703450501

webworker



webworker





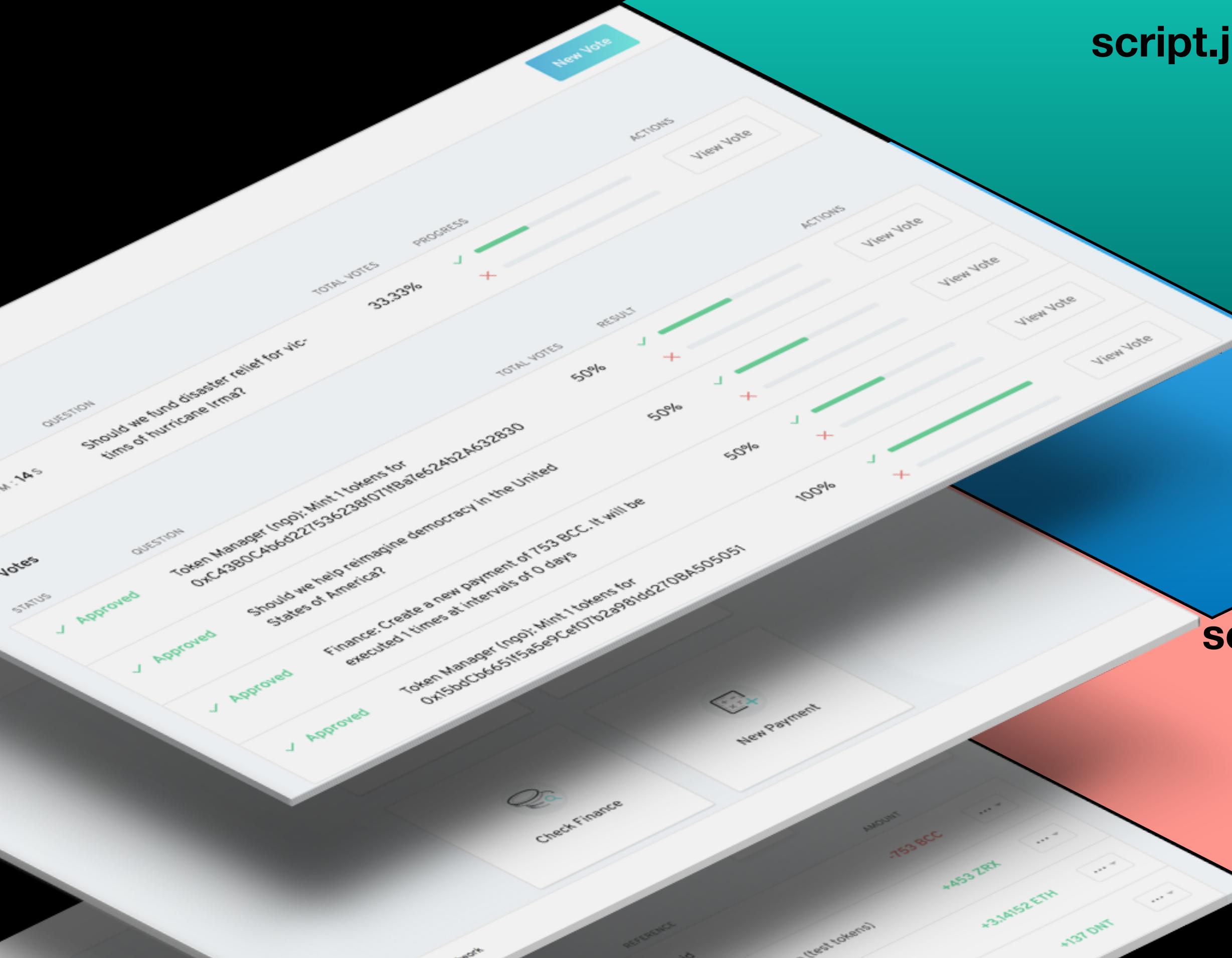


script.js

script.js

script.js

EVM



script.js

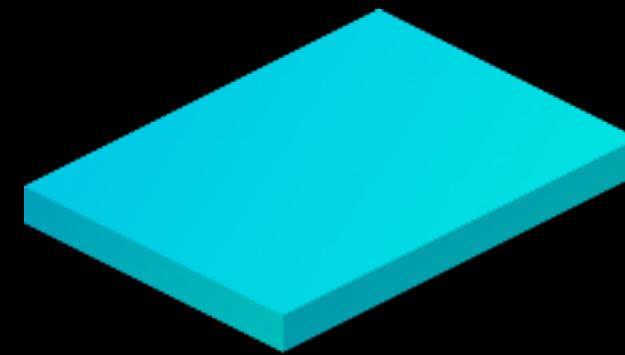
contract.sol

script.js

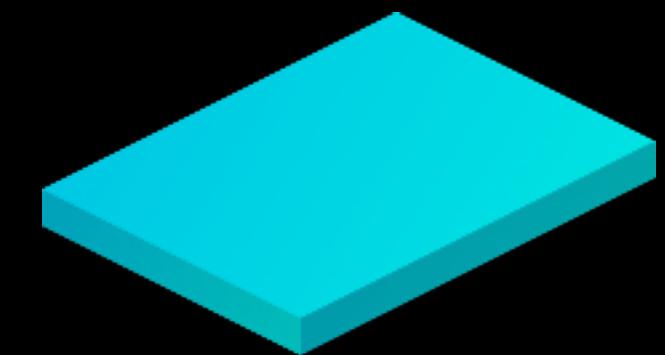
contract.sol

script.js

DOM

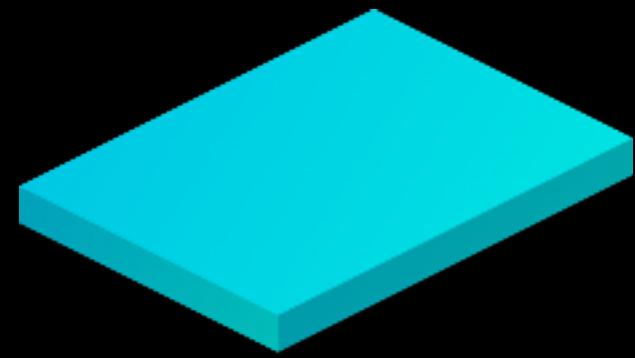


Wrapper UI

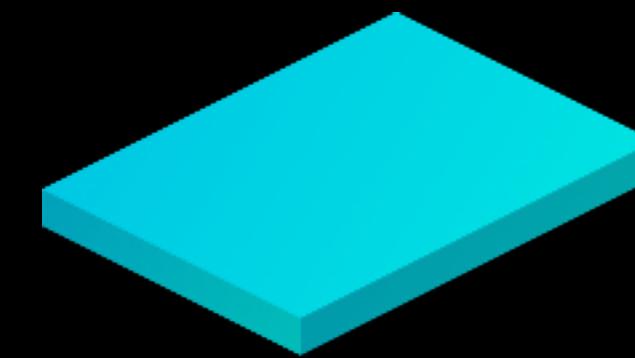


App UI

DOM



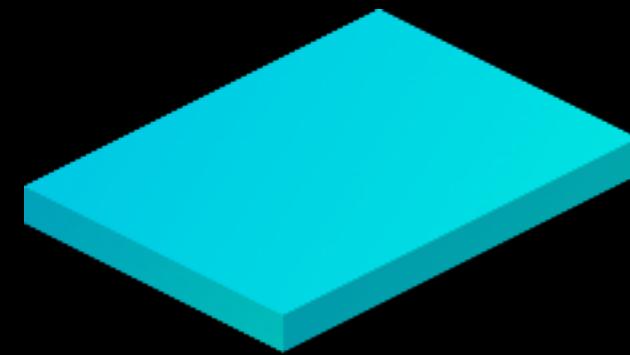
Wrapper UI



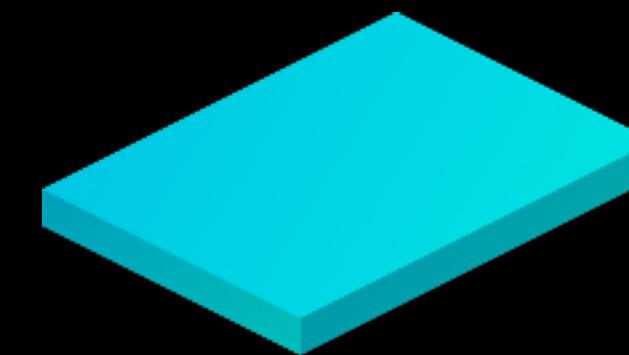
App UI

JS

DOM



Wrapper UI



App UI

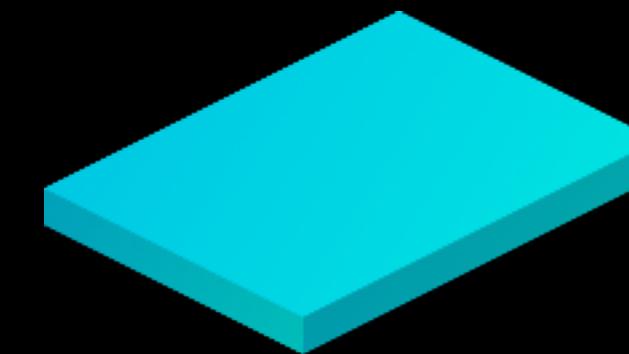
JS

UI Framework

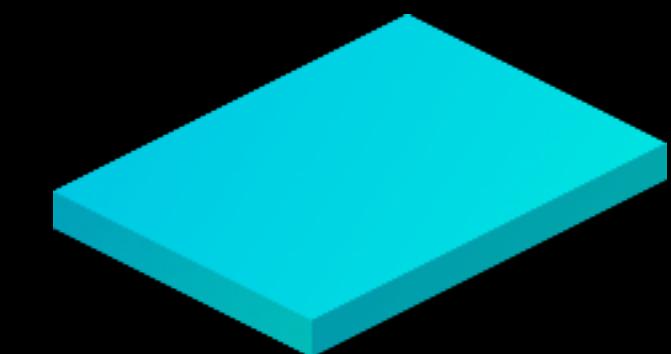
UI Framework

Script

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

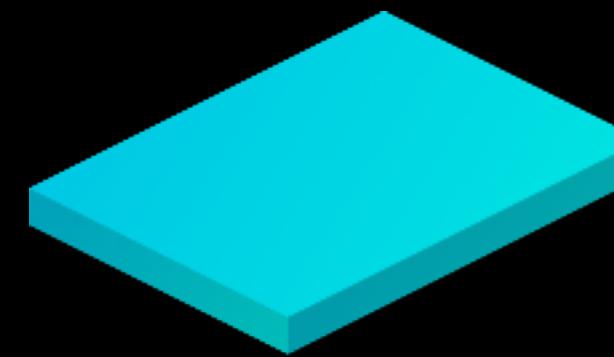
Script

Aragon.js server

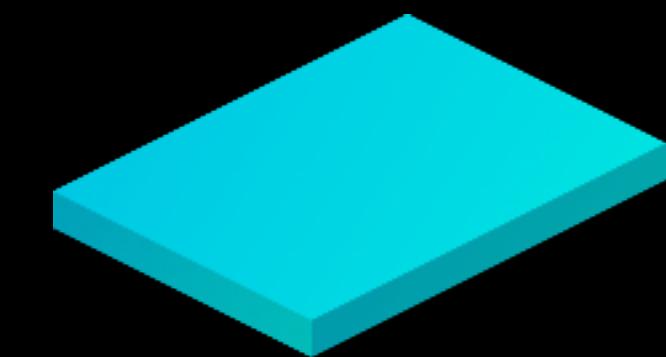
Aragon Client

Aragon Client

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

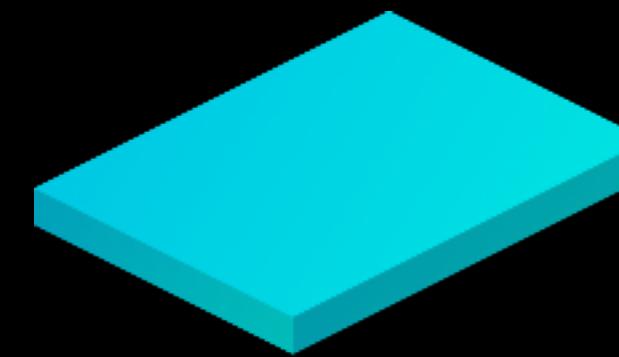
Messenger

Messenger

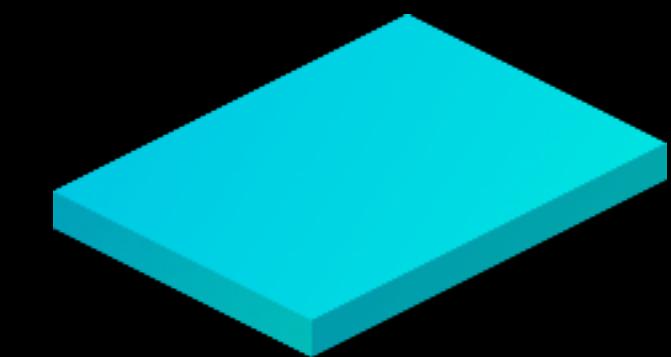
Web3

Messenger

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

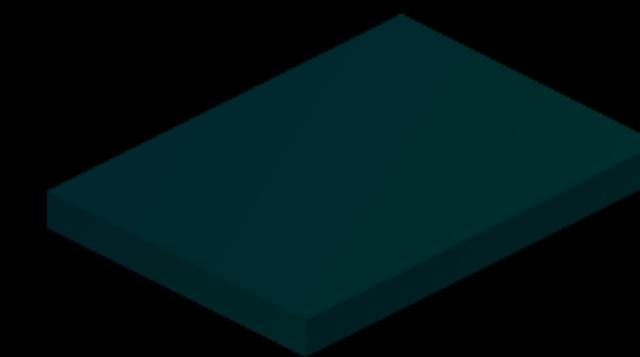
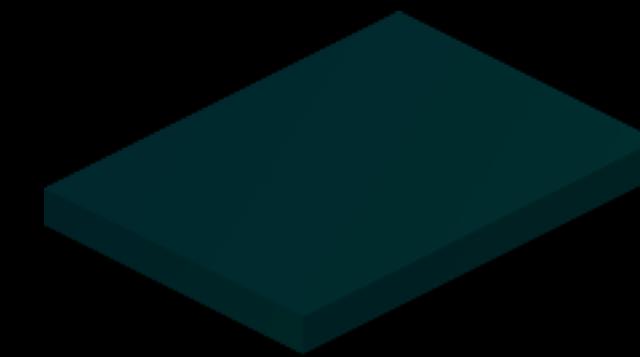
Messenger

Messenger

Web3

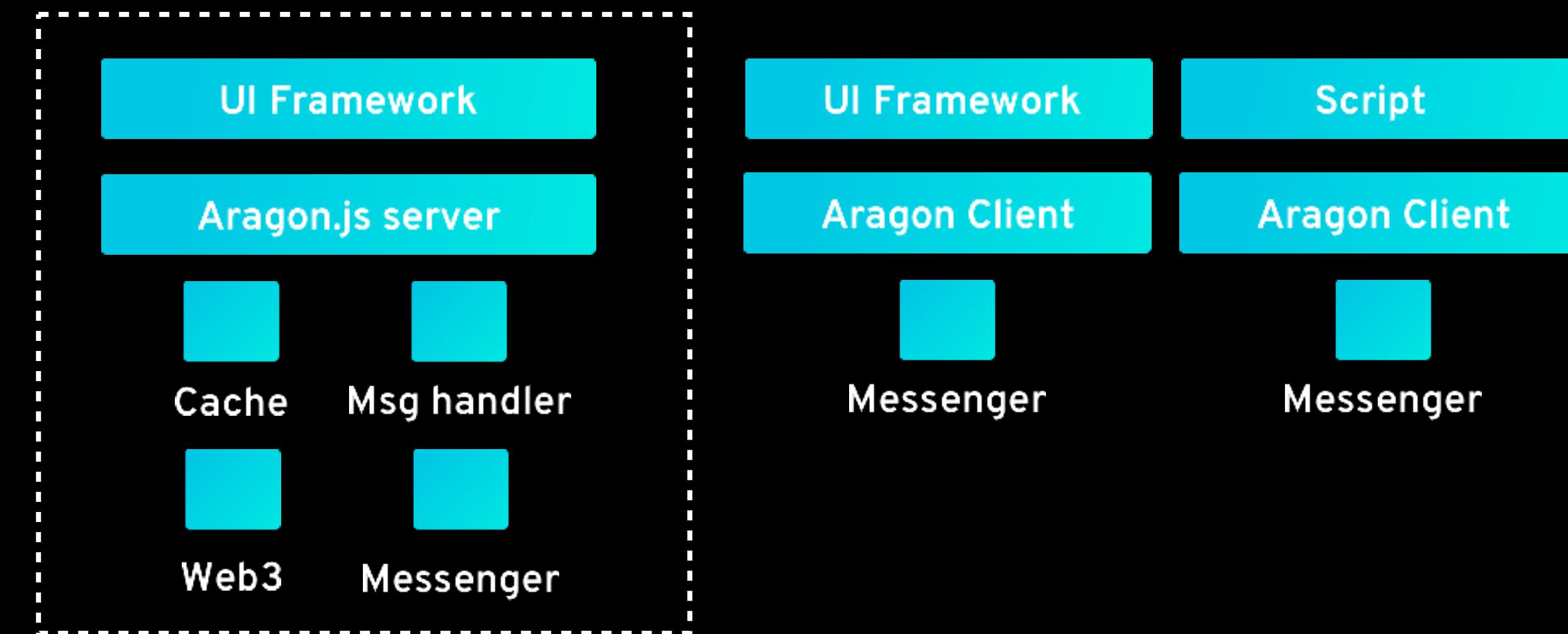
Messenger

DOM

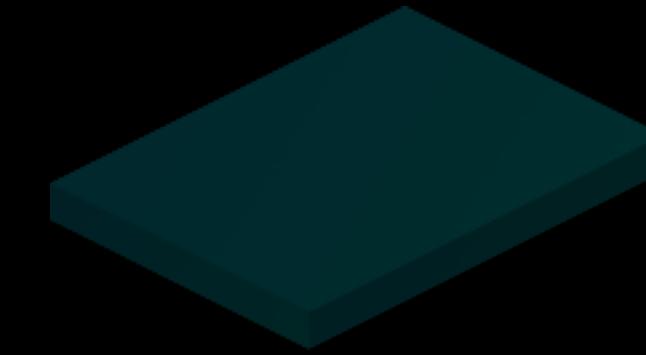


Native context

JS

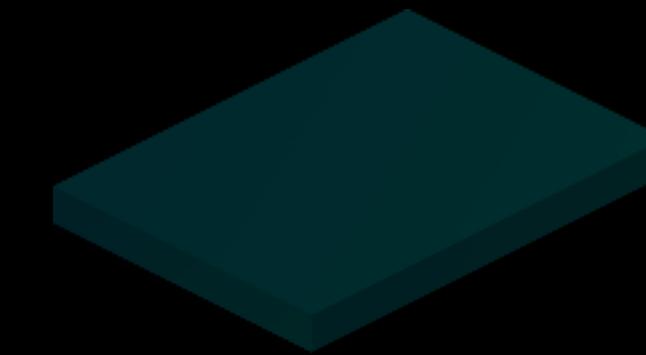
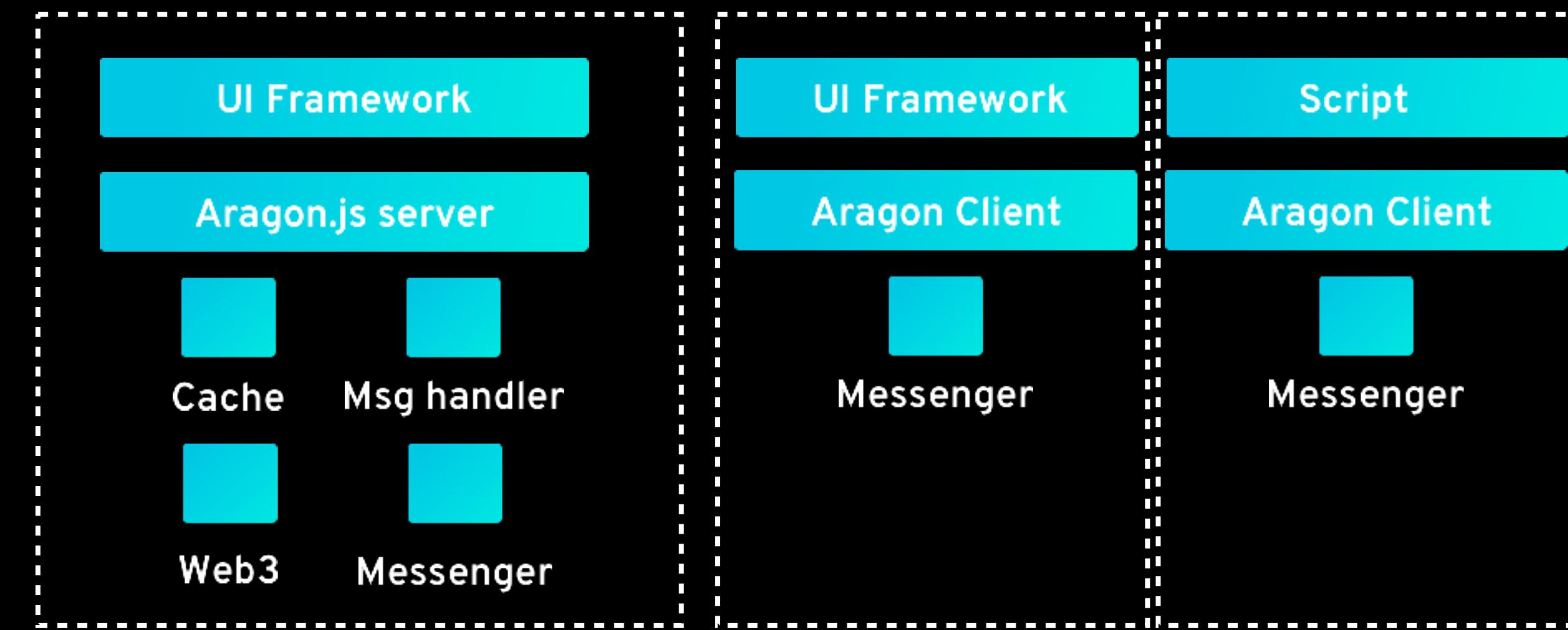


DOM



Native context

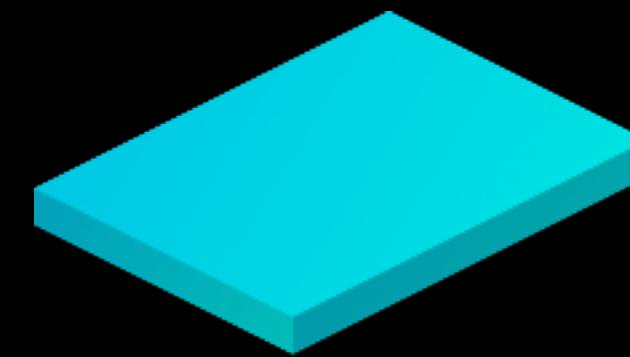
JS



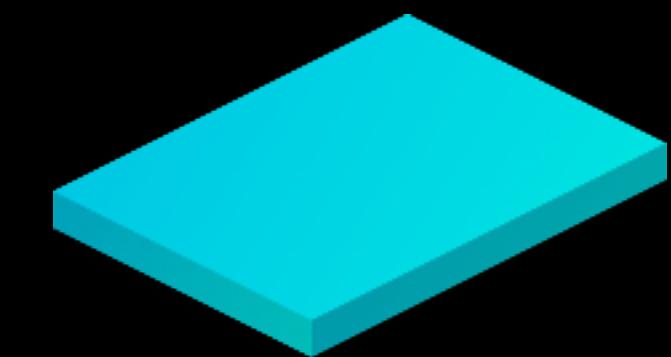
IFrame

Webworker

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

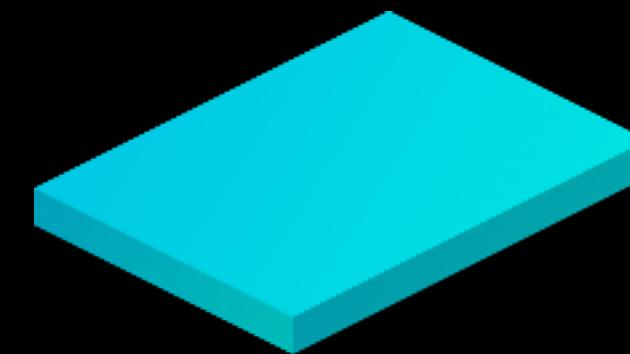
Messenger

Messenger

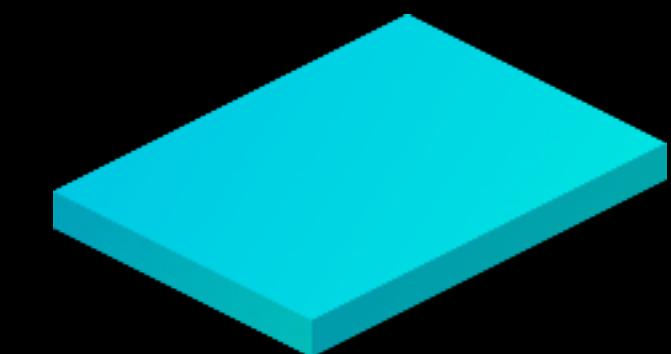
Web3

Messenger

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

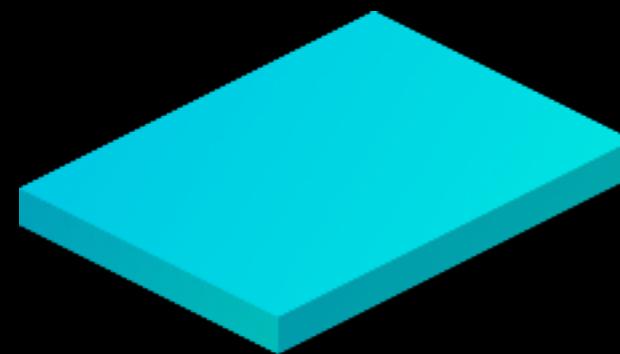
Messenger

Messenger

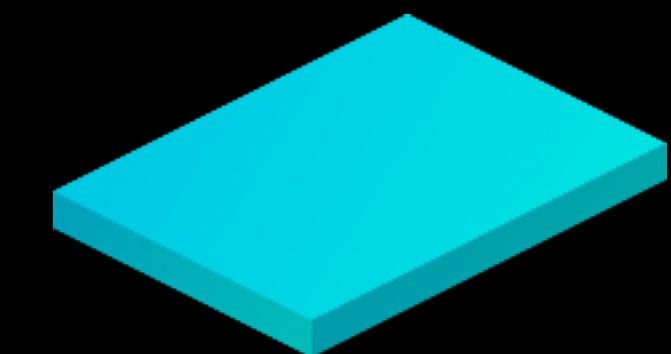
Web3

Messenger

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

Messenger

Messenger

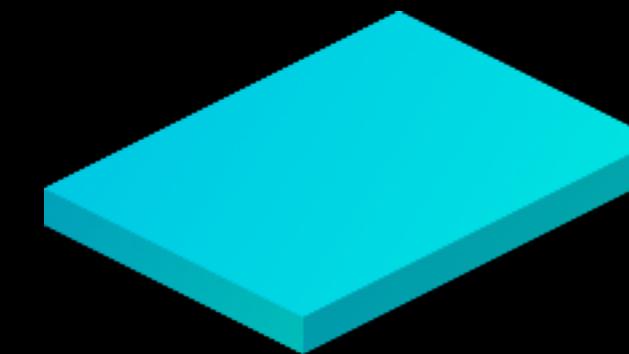
Web3

Messenger

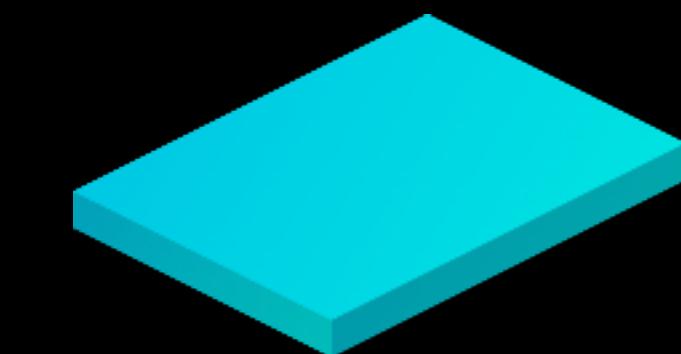
EVM

Kernel

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client



Cache



Msg handler



Messenger



Messenger



Web3



Messenger

EVM

Kernel



ACL



EVM Scripts



App 1



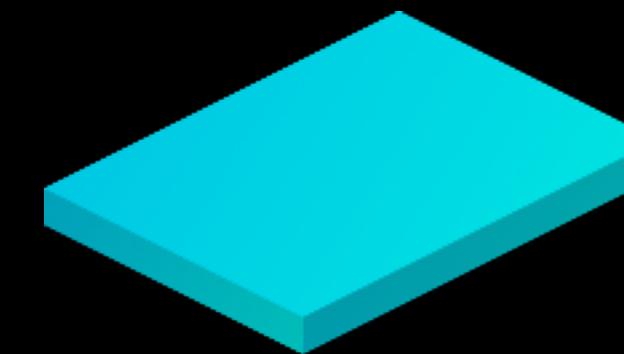
App 2



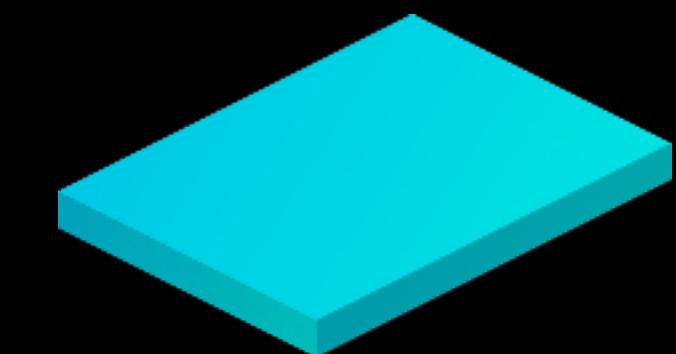
App 3

Time to take a deep dive!

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

Messenger

Messenger

Web3

Messenger

EVM

Kernel



ACL



EVM Scripts



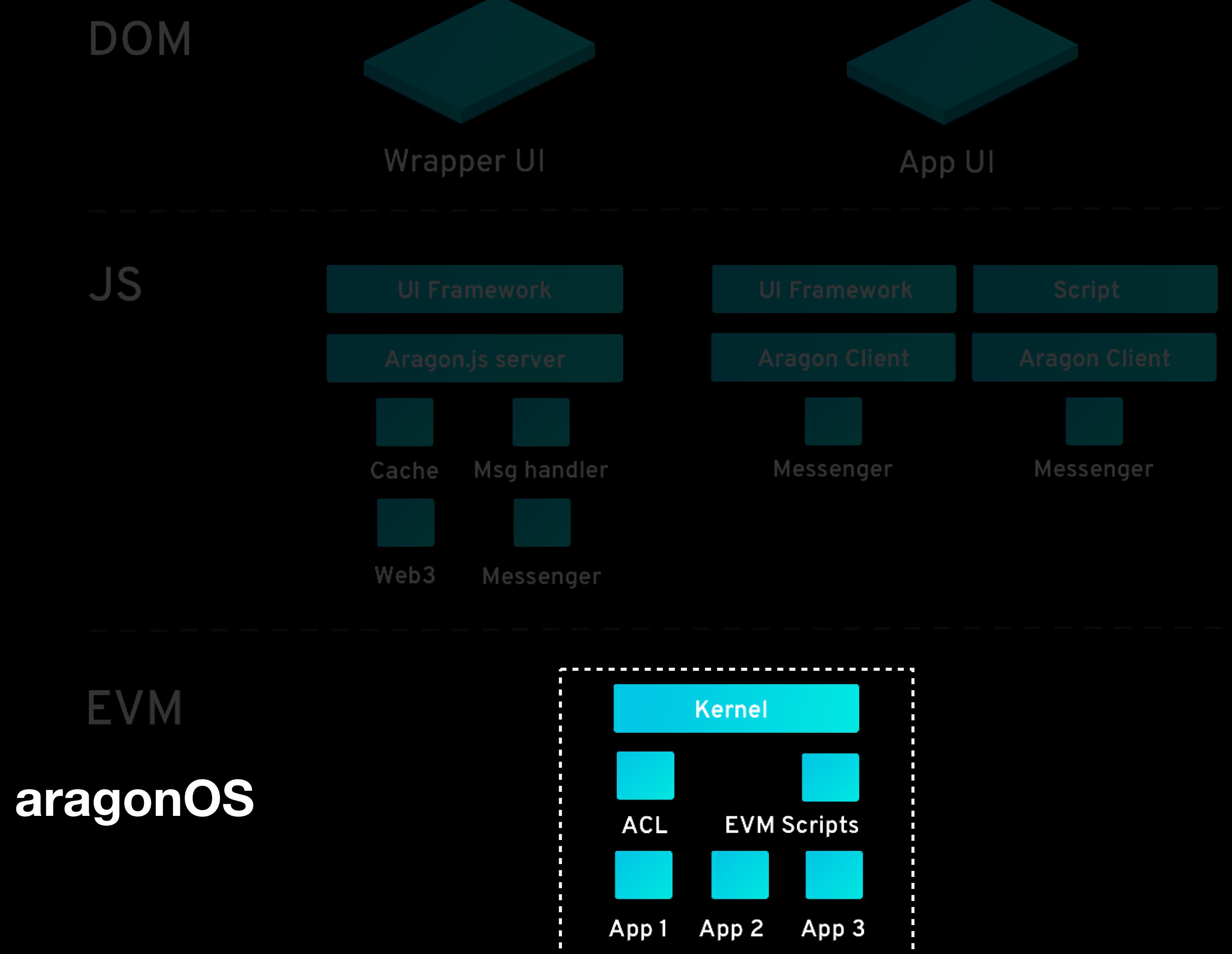
App 1



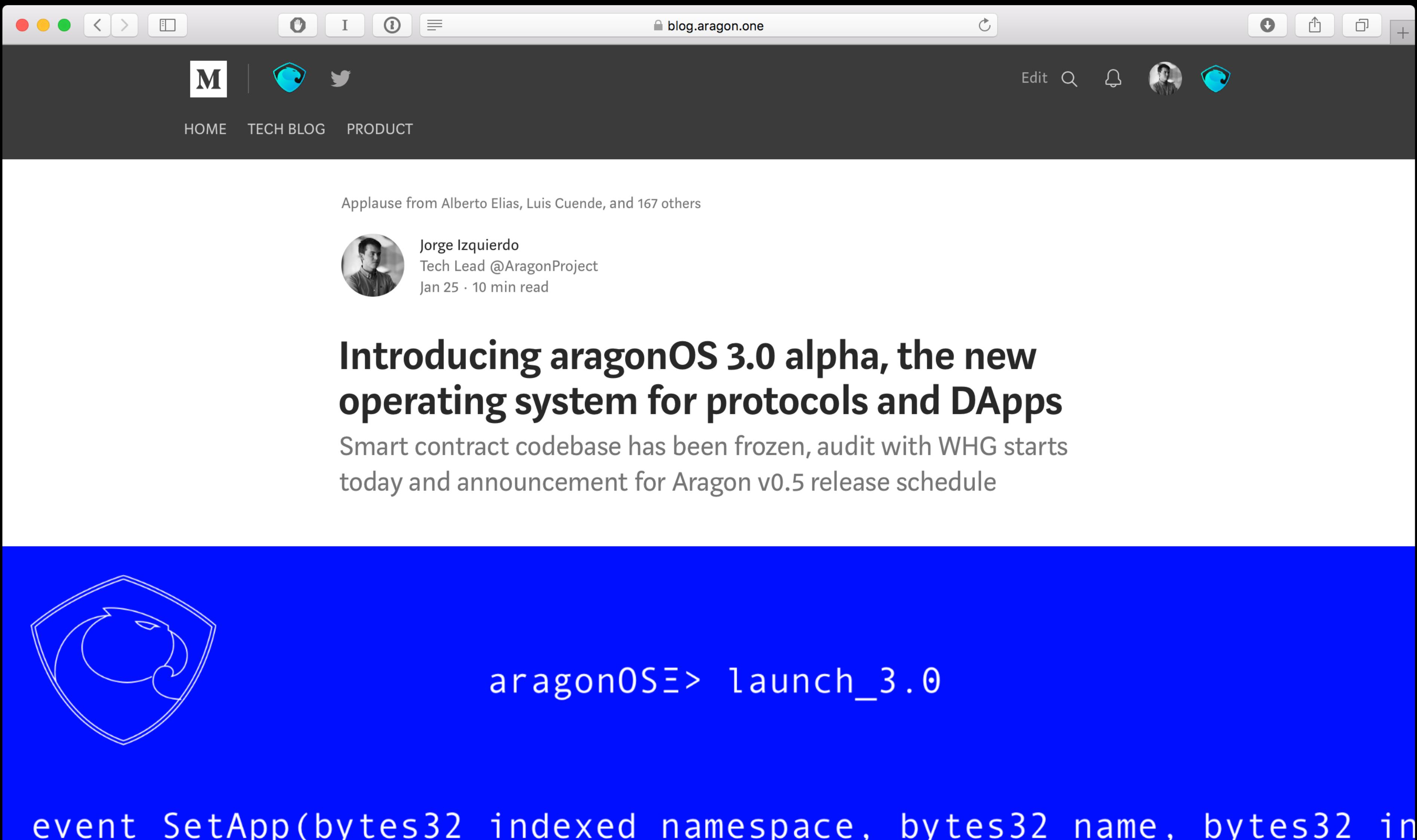
App 2



App 3



aragonOS



A screenshot of a web browser displaying a blog post on the blog.aragon.one website. The post is titled "Introducing aragonOS 3.0 alpha, the new operating system for protocols and DApps". It features a dark header with the Aragon logo and navigation links for HOME, TECH BLOG, and PRODUCT. Below the header, there's a section for applause and author information. The main content highlights the freezing of the smart contract codebase and the start of an audit with WHG. At the bottom, there's a blue footer with the Aragon logo and a command-line style message.

Applause from Alberto Elias, Luis Cuende, and 167 others

 Jorge Izquierdo
Tech Lead @AragonProject
Jan 25 · 10 min read

Introducing aragonOS 3.0 alpha, the new operating system for protocols and DApps

Smart contract codebase has been frozen, audit with WHG starts today and announcement for Aragon v0.5 release schedule

aragonOS> launch_3.0

event SetApp(bytes32 indexed namespace, bytes32 name, bytes32 in

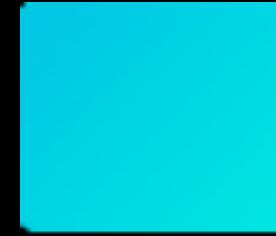
aragonOS

aragonOS

A framework for programming governance

github.com/aragon/aragonOS

Kernel



ACL



EVM Scripts



App 1

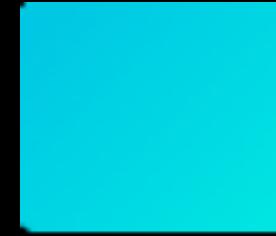


App 2



App 3

Kernel



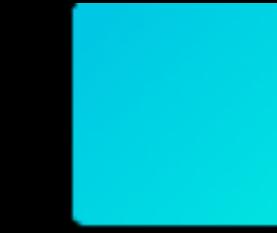
ACL



EVM Scripts



App 1



App 2



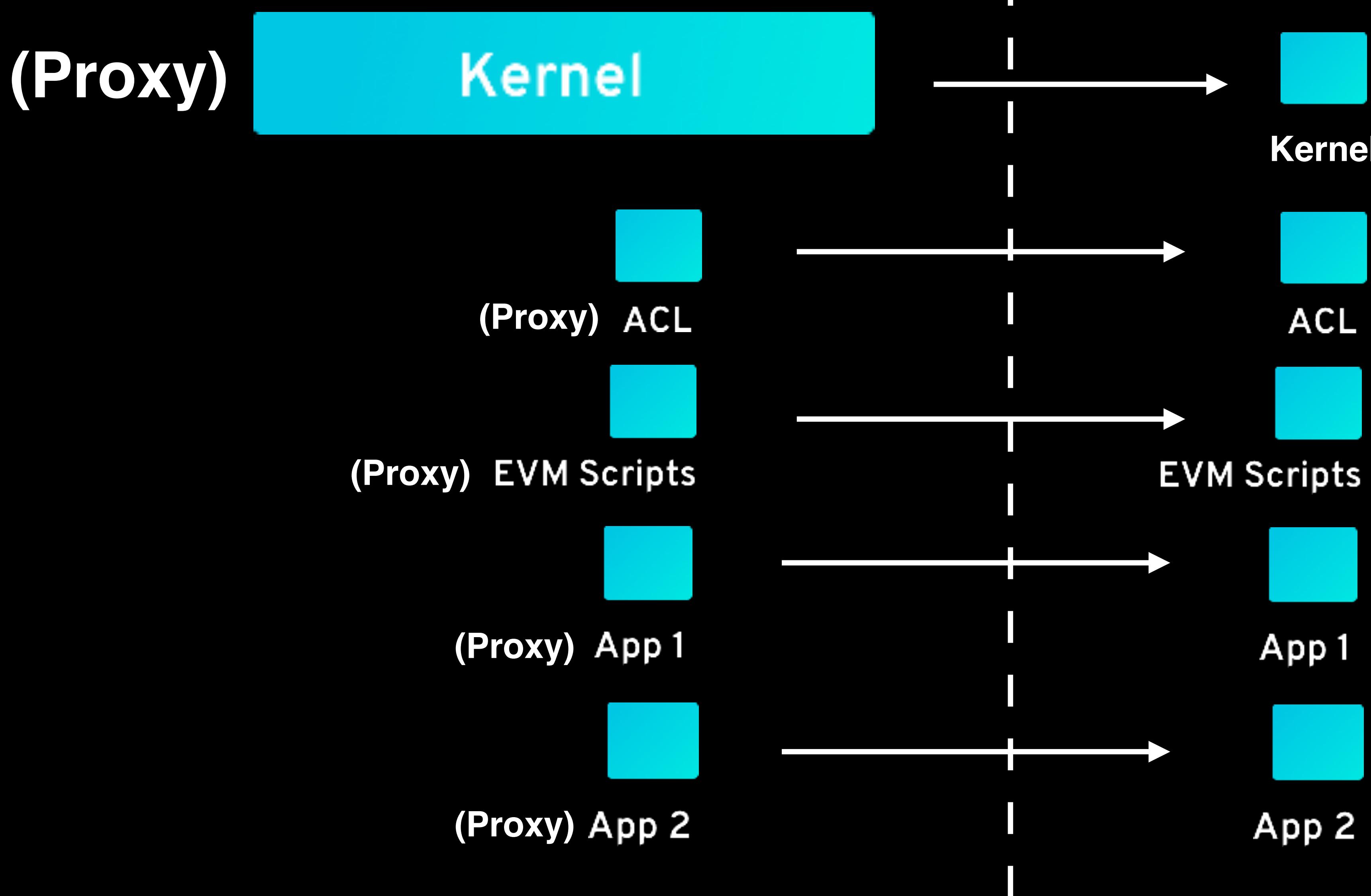
App 3



Out of the box

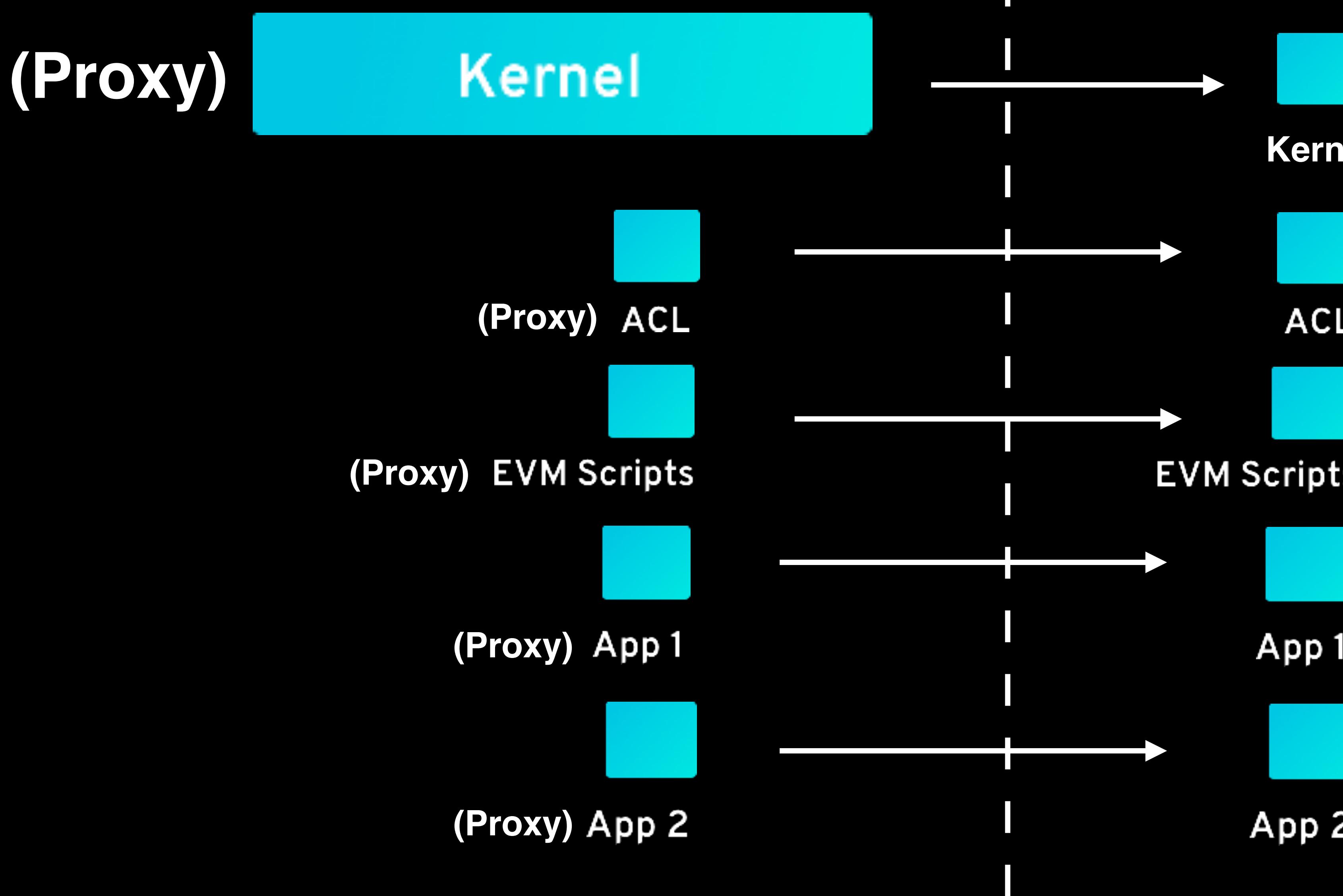
1. Upgradability
2. Complex permissioning
3. Transaction forwarding

Proxies



Implementations

Proxies



Implementations

Proxies

(Proxy)

Kernel

(Proxy) ACL

(Proxy) EVM Scripts

(Proxy) App 1

(Proxy) App 2

Implementations

Kernel

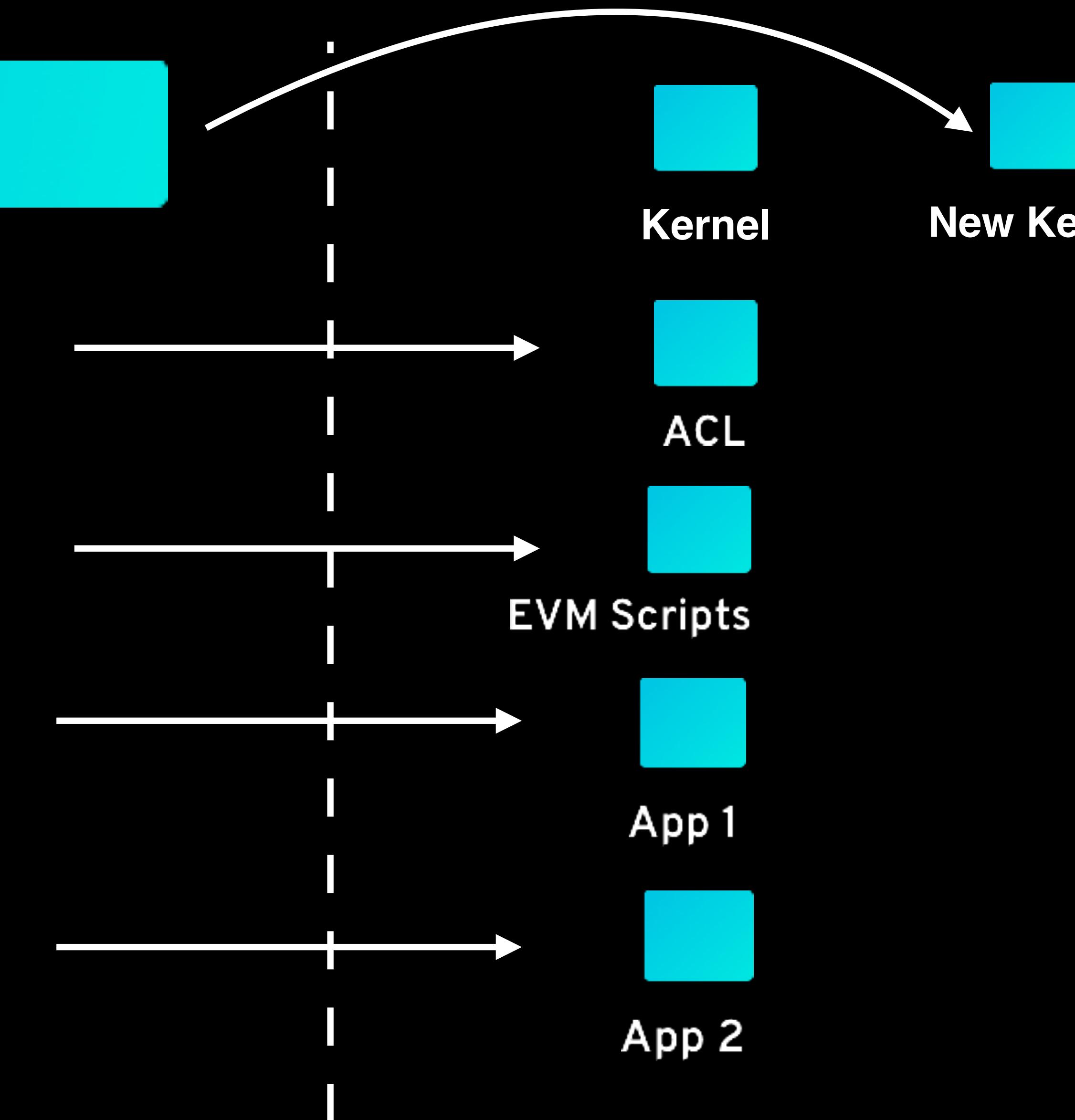
ACL

EVM Scripts

App 1

App 2

New Kernel



```
contract DelegateProxy is ERCProxy {
    uint256 constant public FWD_GAS_LIMIT = 10000;

    /**
     * @dev Performs a delegatecall and returns whatever the delegatecall returned (entire context execution will return!)
     * @param _dst Destination address to perform the delegatecall
     * @param _calldata Calldata for the delegatecall
     */
    function delegatedFwd(address _dst, bytes _calldata) internal {
        delegatedFwd(_dst, _calldata, 0);
    }

    /**
     * @dev Performs a delegatecall and returns whatever the delegatecall returned (entire context execution will return!)
     * @param _dst Destination address to perform the delegatecall
     * @param _calldata Calldata for the delegatecall
     * @param _minReturnSize Minimum size the call needs to return, if less than that it will revert
     */
    function delegatedFwd(address _dst, bytes _calldata, uint256 _minReturnSize) internal {
        require(isContract(_dst));
        uint256 size;
        uint256 result;
        uint256 fwd_gas_limit = FWD_GAS_LIMIT;

        assembly {
            result := delegatecall(sub(gas, fwd_gas_limit), _dst, add(_calldata, 0x20), mload(_calldata), 0, 0)
            size := returndatasize
        }

        require(size >= _minReturnSize);
    }
}
```

```
/**
 * @dev Performs a delegatecall and returns whatever the delegatecall returned (entire context execution will return!)
 * @param _dst Destination address to perform the delegatecall
 * @param _calldata Calldata for the delegatecall
 * @param _minReturnSize Minimum size the call needs to return, if less than that it will revert
 */
function delegatedFwd(address _dst, bytes _calldata, uint256 _minReturnSize) internal {
    require(isContract(_dst));
    uint256 size;
    uint256 result;
    uint256 fwd_gas_limit = FWD_GAS_LIMIT;

    assembly {
        result := delegatecall(sub(gas, fwd_gas_limit), _dst, add(_calldata, 0x20), mload(_calldata), 0, 0)
        size := returndatasize
    }

    require(size >= _minReturnSize);

    assembly {
        let ptr := mload(0x40)
        returndatacopy(ptr, 0, size)

        // revert instead of invalid() bc if the underlying call failed with invalid() it already wasted gas.
        // if the call returned error data, forward it
        switch result case 0 { revert(ptr, size) }
        default { return(ptr, size) }
    }
}
```

Permissions

Access Control List (ACL)

```
1 interface IACL {
2     function initialize(address permissionsCreator) external;
3     function hasPermission(
4         address who,
5         address where,
6         bytes32 what
7     ) external view returns (bool);
8
9     /* Non-interface suggestions for implementations:
10
11    function createPermission(address who, address where, bytes32 what) external;
12    function grantPermission(address who, address where, bytes32 what) external;
13    function revokePermission(address who, address where, bytes32 what) external;
14 */
15 }
```

Interface: <https://github.com/aragon/aragonOS/blob/dev/contracts/acl/IACL.sol>

Implementation: <https://github.com/aragon/aragonOS/blob/dev/contracts/acl/ACL.sol>

Permissions

Using the ACL: auth()

```
/**  
 * @notice Create a new vote about ``_metadata``  
 * @param _executionScript EVM script to be executed on approval  
 * @param _metadata Vote metadata  
 * @return voteId Id for newly created vote  
 */  
function newVote(bytes _executionScript, string _metadata) auth(CREATE_VOTES_ROLE) external returns (uint256 voteId) {  
}
```

Transaction Forwarding

Transaction Forwarding

We'll get to it.

Let's make some governance happen!

```
1 contract DAOFactory {
2     function newDAO(address root) public returns (Kernel) {
3         Kernel dao = new Kernel();
4         dao.initialize(root); // Assume this also creates an ACL for the DAO
5         return dao;
6     }
7 }
```

Factory: <https://github.com/aragon/aragonOS/blob/dev/contracts/factory/DAOFactory.sol>

```
1 contract DAOFactory {
2     function newDAO(address root) public returns (Kernel) {
3         Kernel dao = new Kernel();
4         dao.initialize(root); // Assume this also creates an ACL for the DAO
5
6         ACL acl = ACL(dao.acl());
7
8         Vault vault = Vault(dao.newAppInstance("vault"));
9         Voting voting = Voting(dao.newAppInstance("voting"));
10        Finance finance = Finance(dao.newAppInstance("finance"));
11        TokenManager tokenManager = TokenManager(dao.newAppInstance("token-manager"));
12
13        acl.createPermission(finance, vault, vault.TRANSFER_ROLE());
14        acl.createPermission(voting, finance, finance.CREATE_PAYMENTS_ROLE());
15        acl.createPermission(voting, finance, finance.EXECUTE_PAYMENTS_ROLE());
16        acl.createPermission(voting, tokenManager, tokenManager.MINT_ROLE());
17        acl.createPermission(voting, tokenManager, tokenManager.ASSIGN_ROLE());
18
19        return dao;
20    }
21 }
```

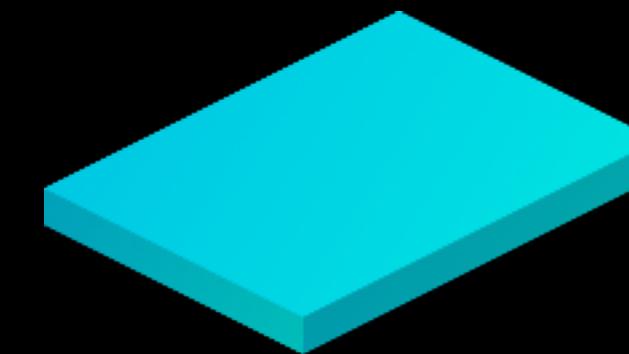
Factory: <https://github.com/aragon/aragon-apps/blob/master/templates/beta/contracts/BetaTemplateBase.sol>

Core design tenets

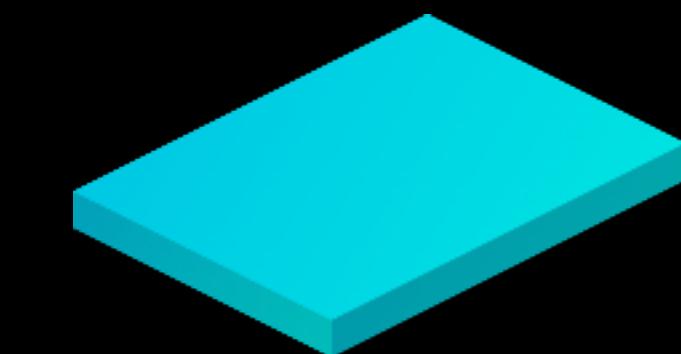
1. Primitives-focused
2. Default to opt-in
3. Interchangeable, malleable components

Moving back up the stack...

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client



Cache



Msg handler



Messenger



Messenger



Web3



Messenger

EVM

Kernel



ACL



EVM Scripts



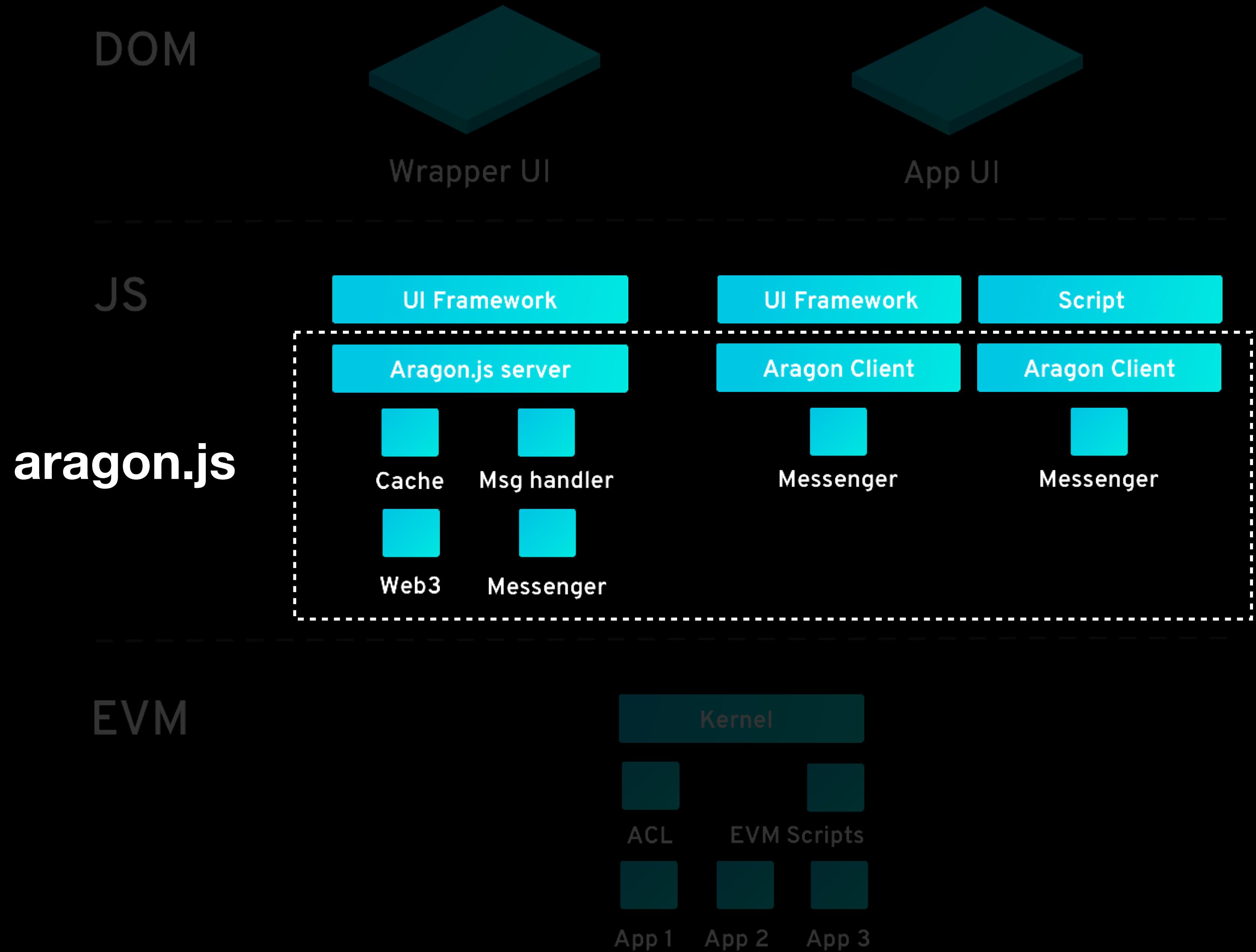
App 1



App 2



App 3



aragon.js

Toolkit for Aragon applications, including:

1. Messaging
2. Transaction forwarding

Sandbox RPC

↔ events

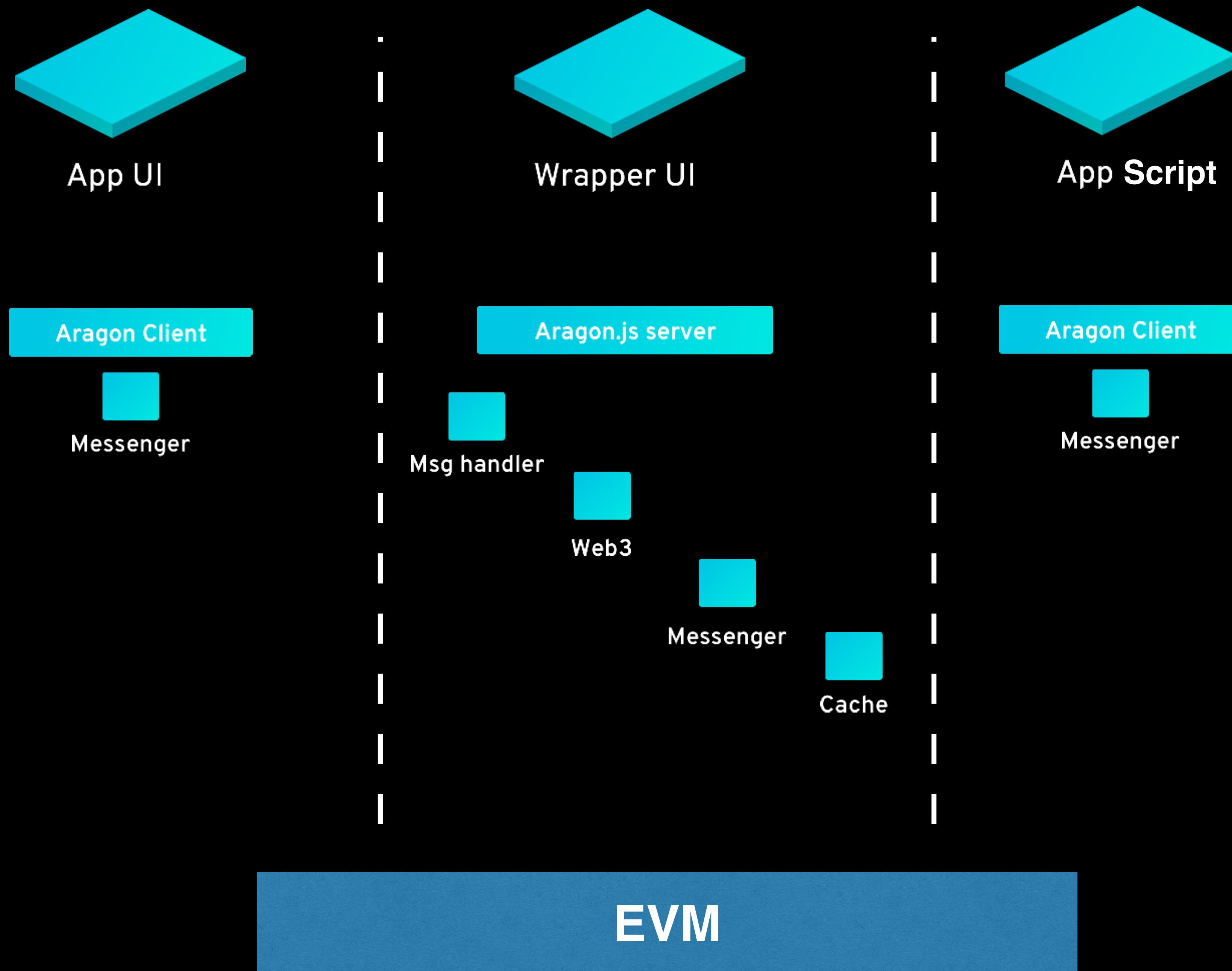
↔ call

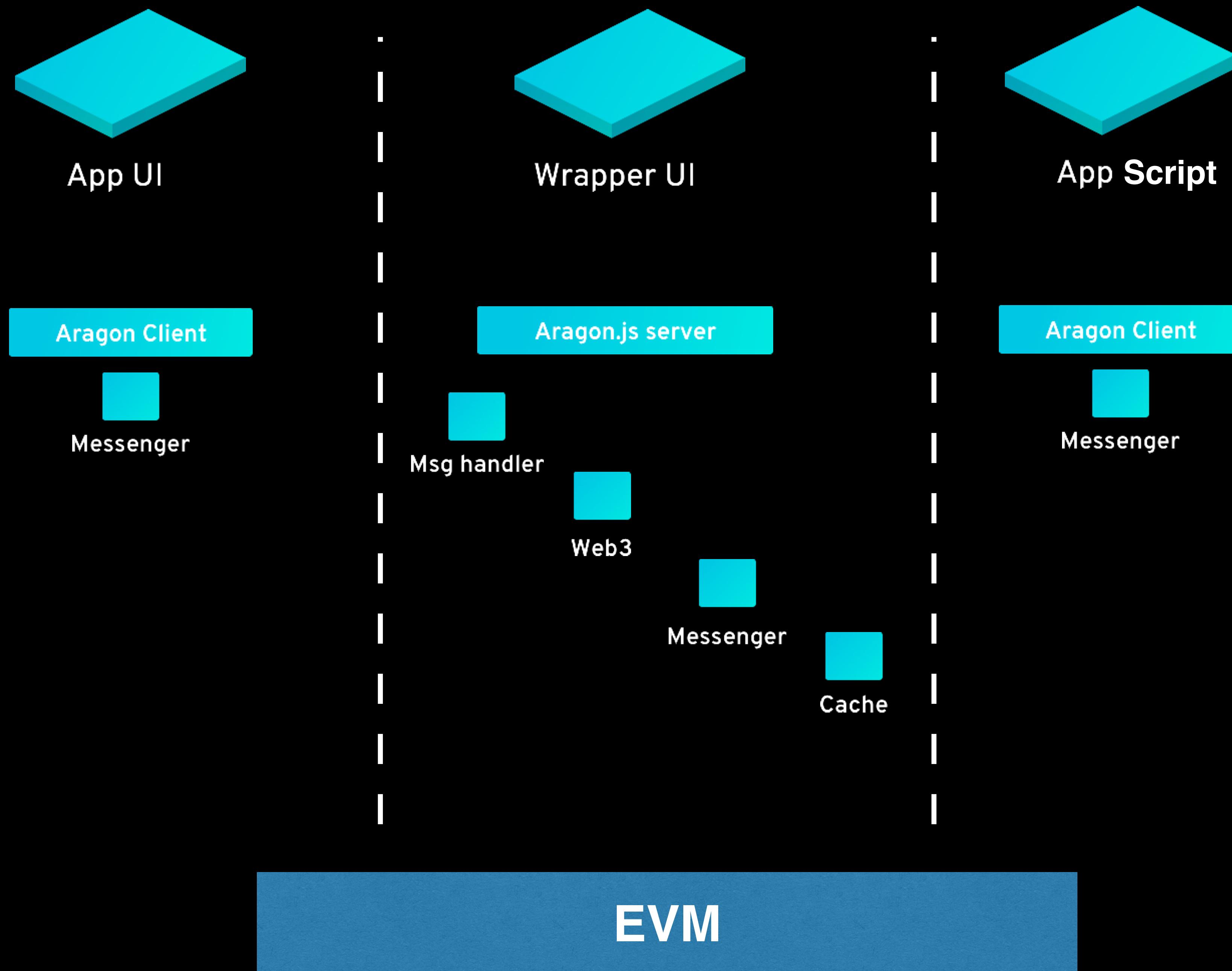
↔ intent

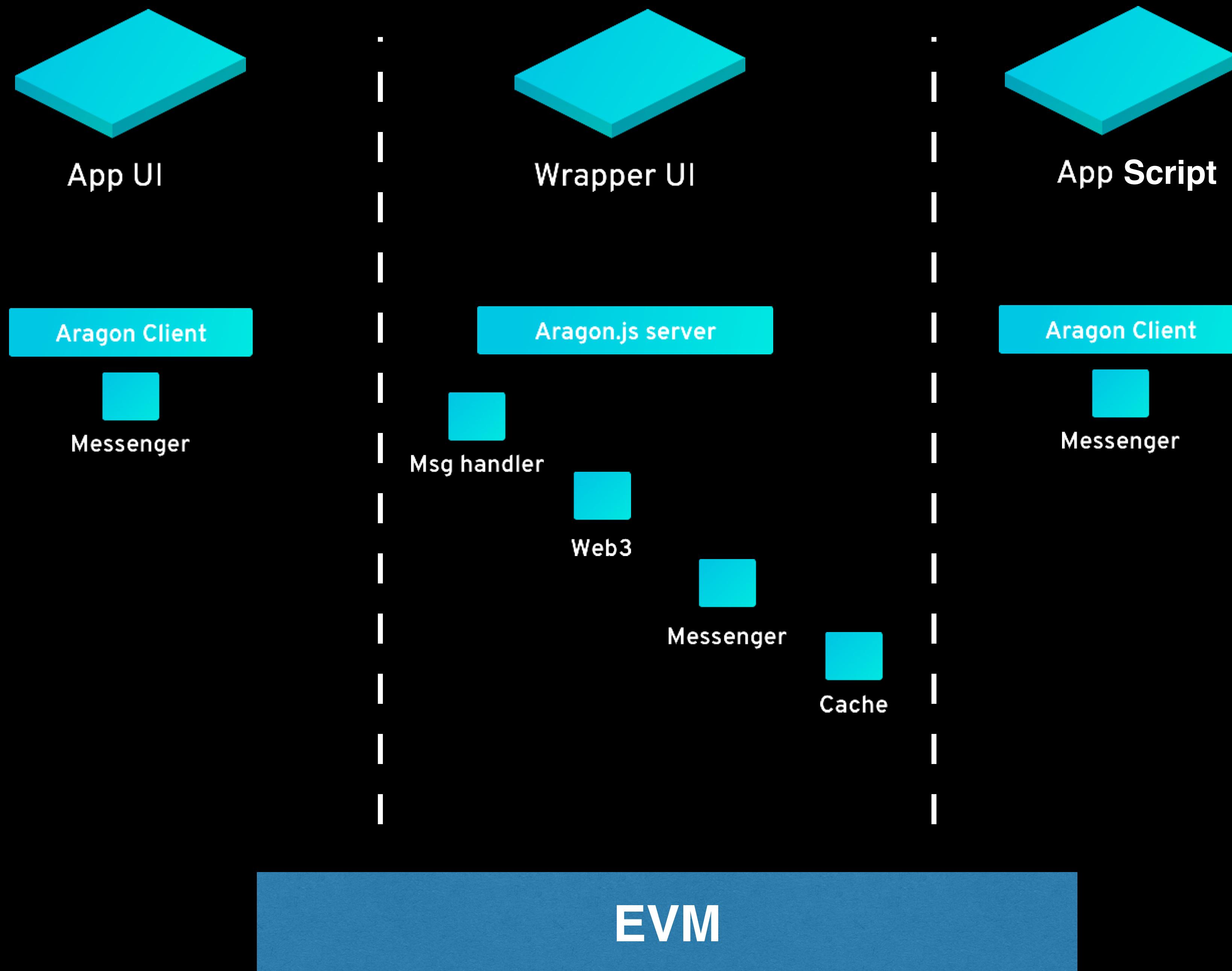
↔ cache

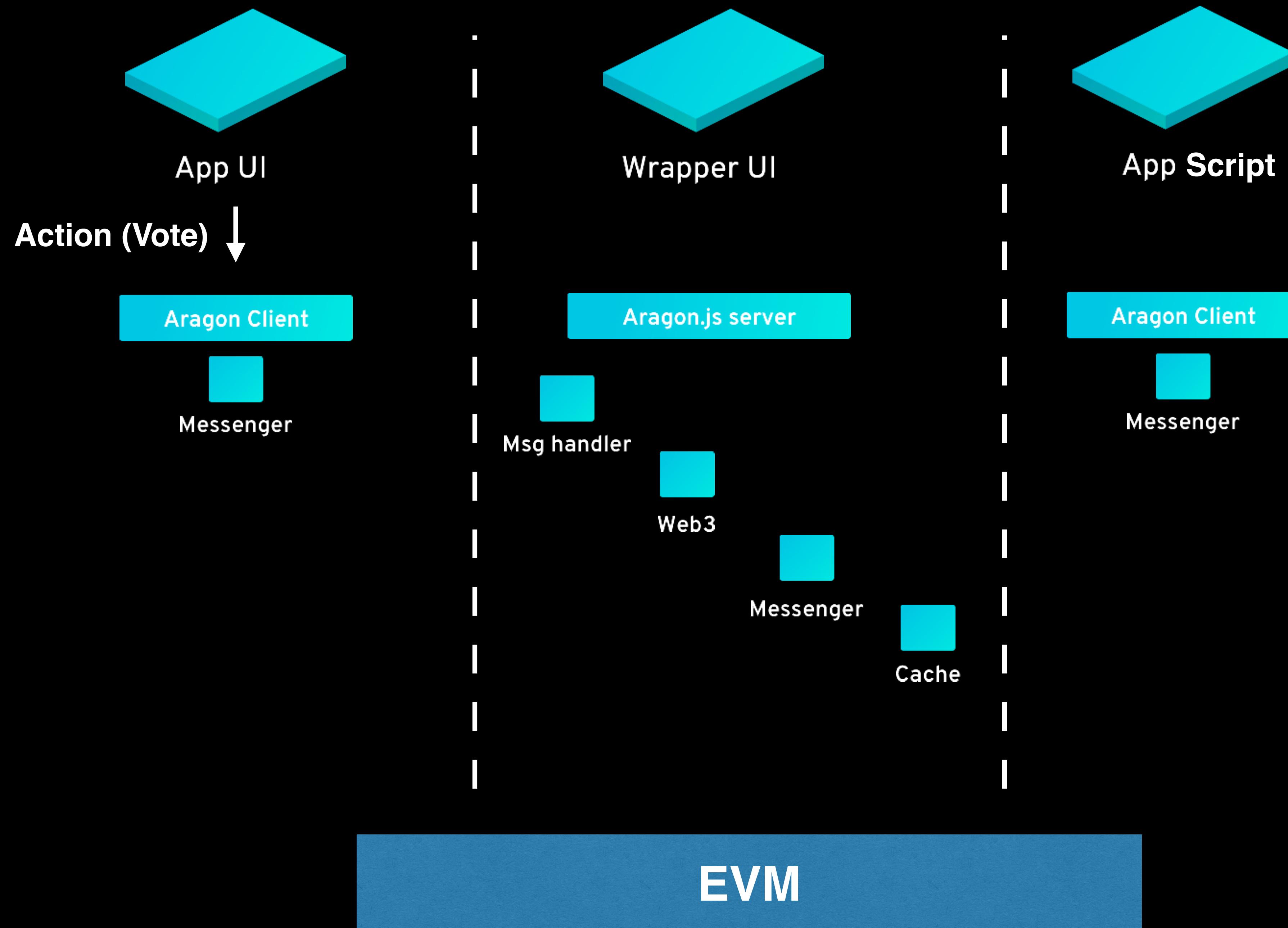
→ notification

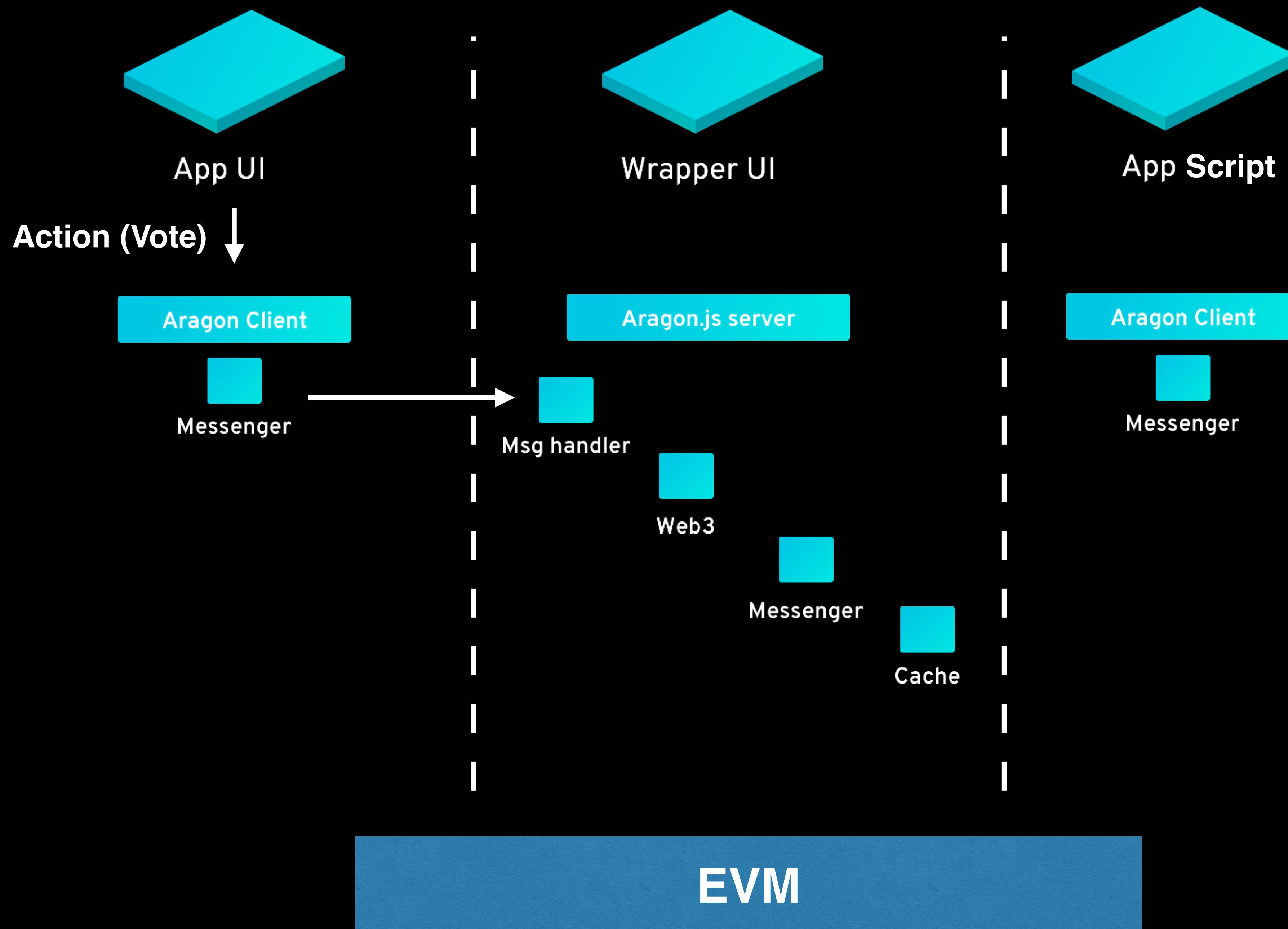
← context

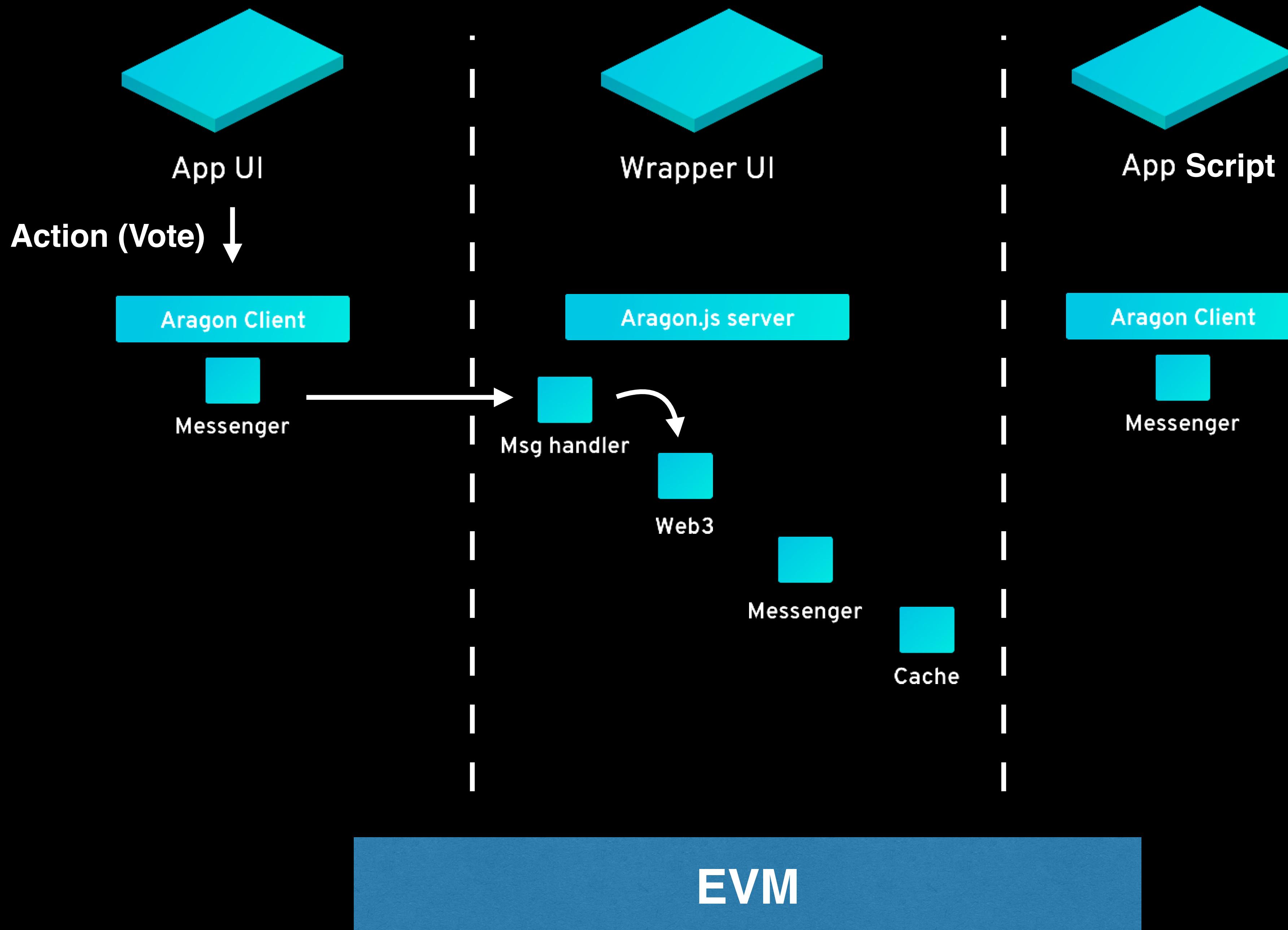


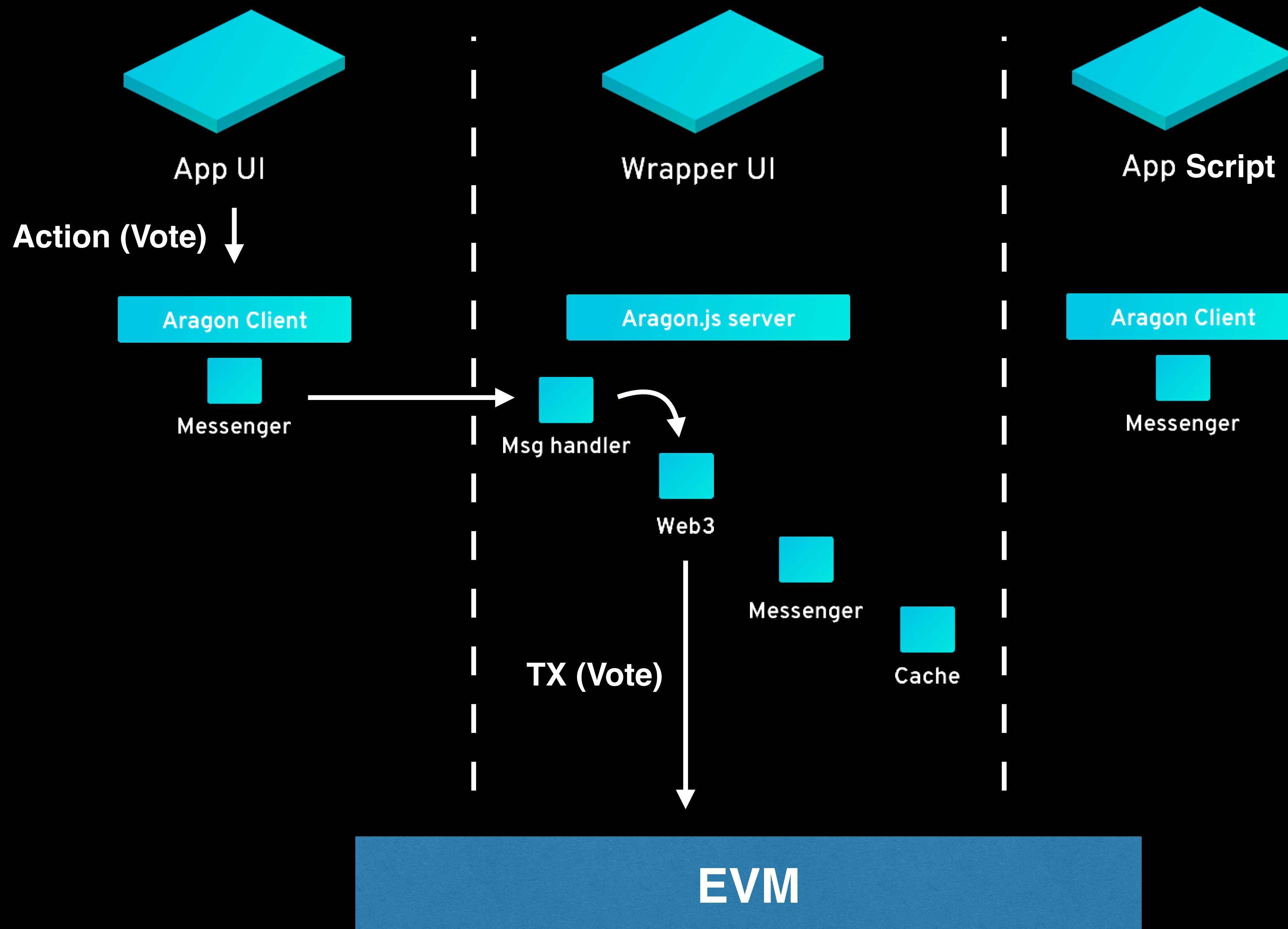


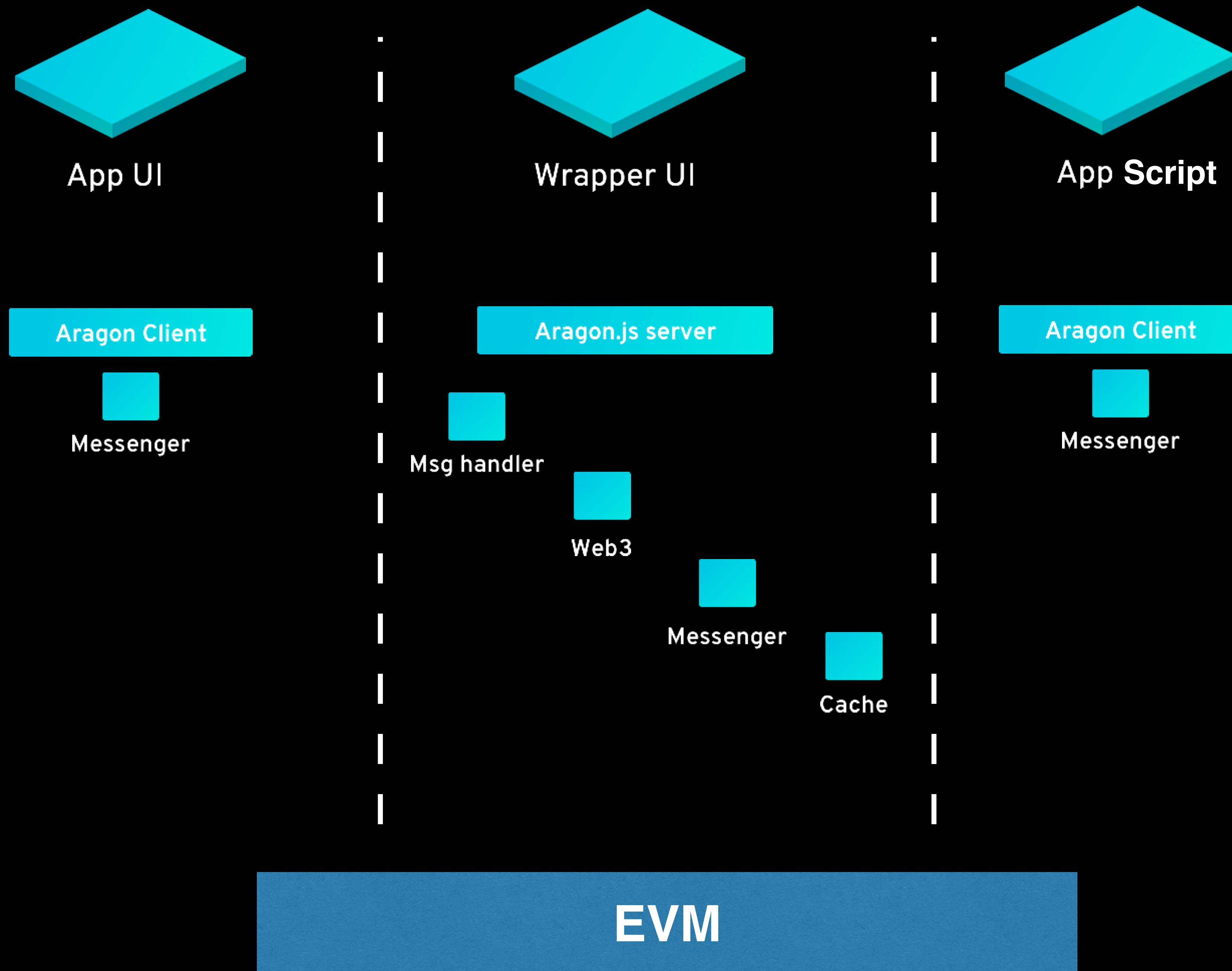


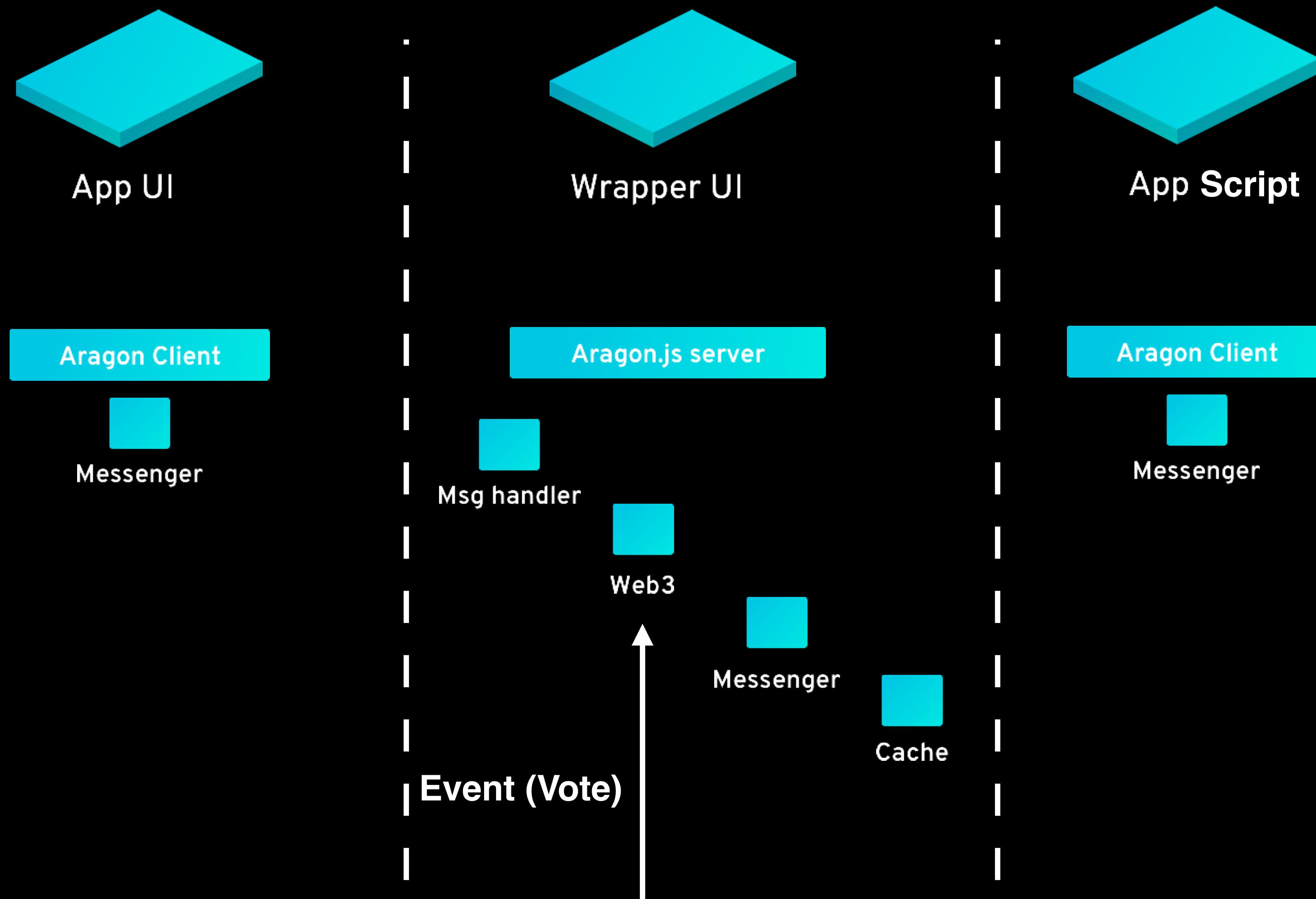


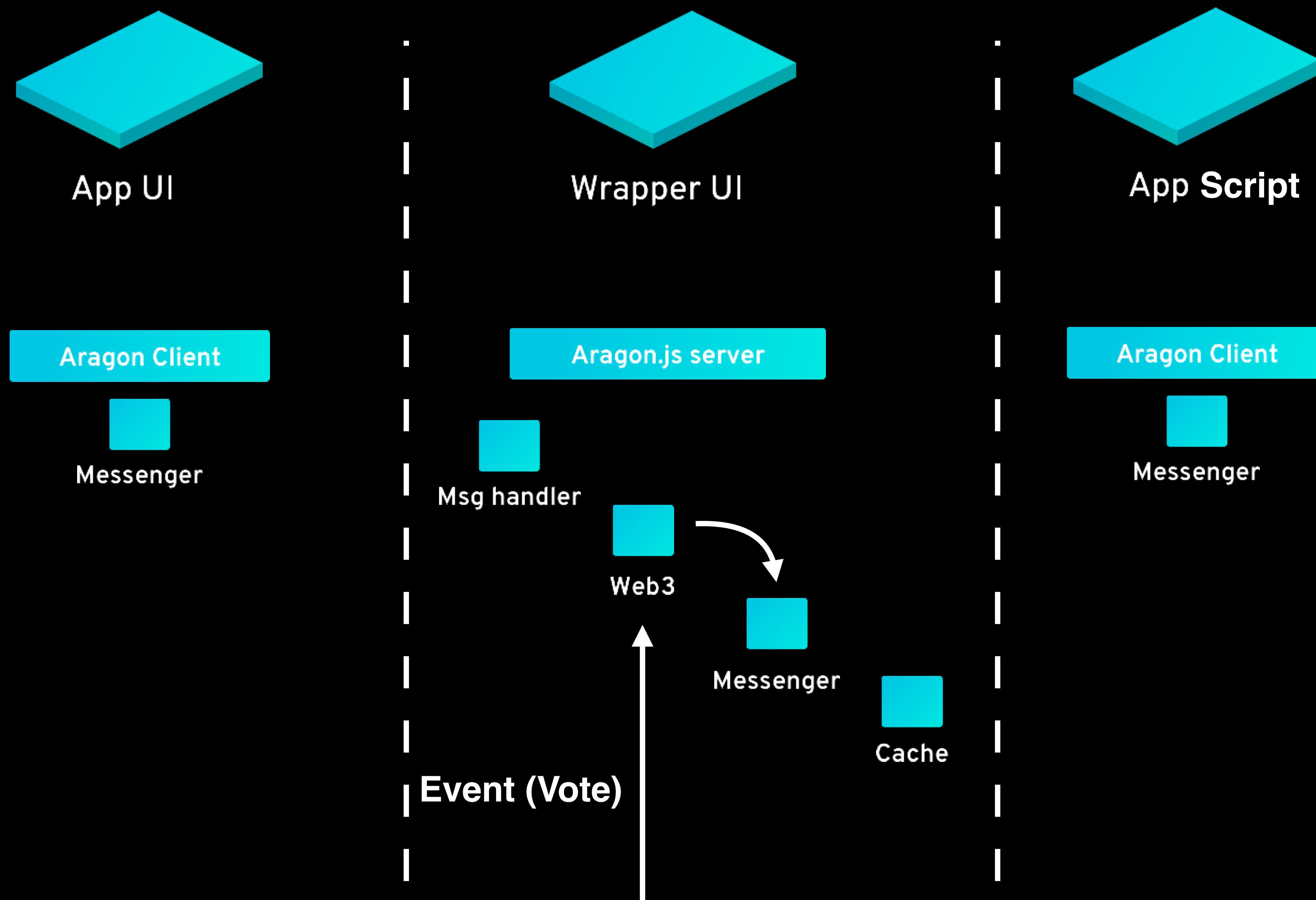




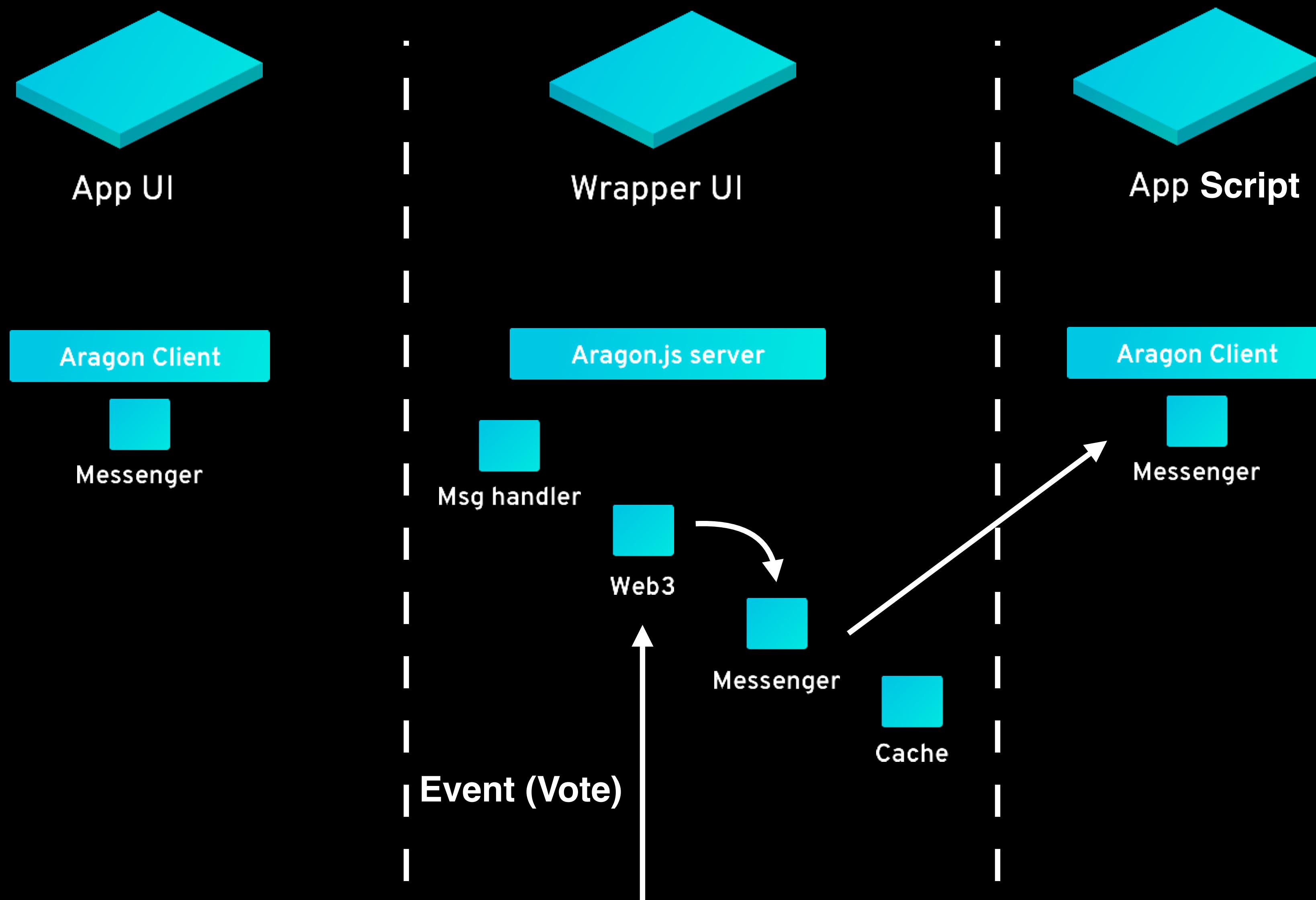


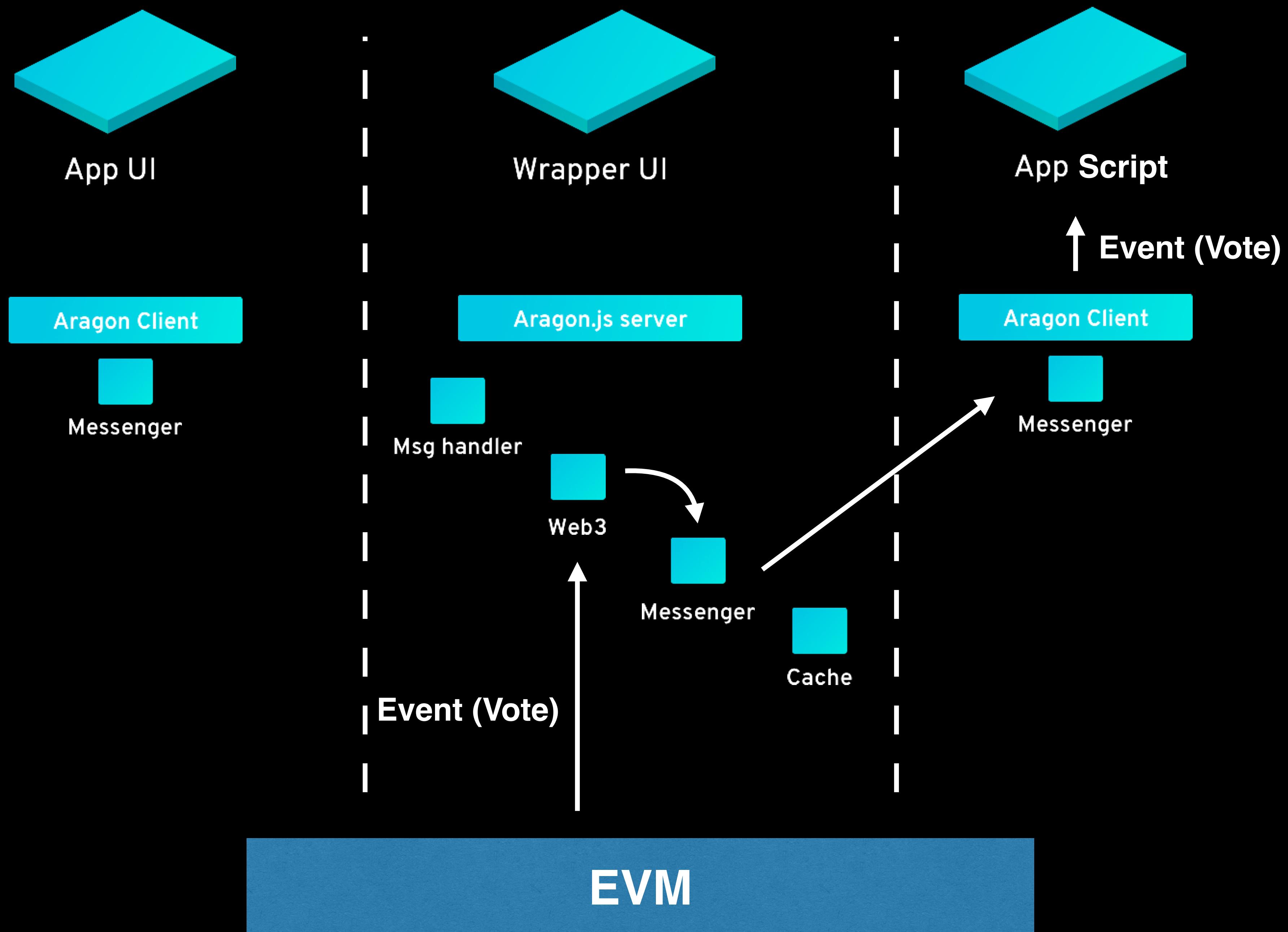


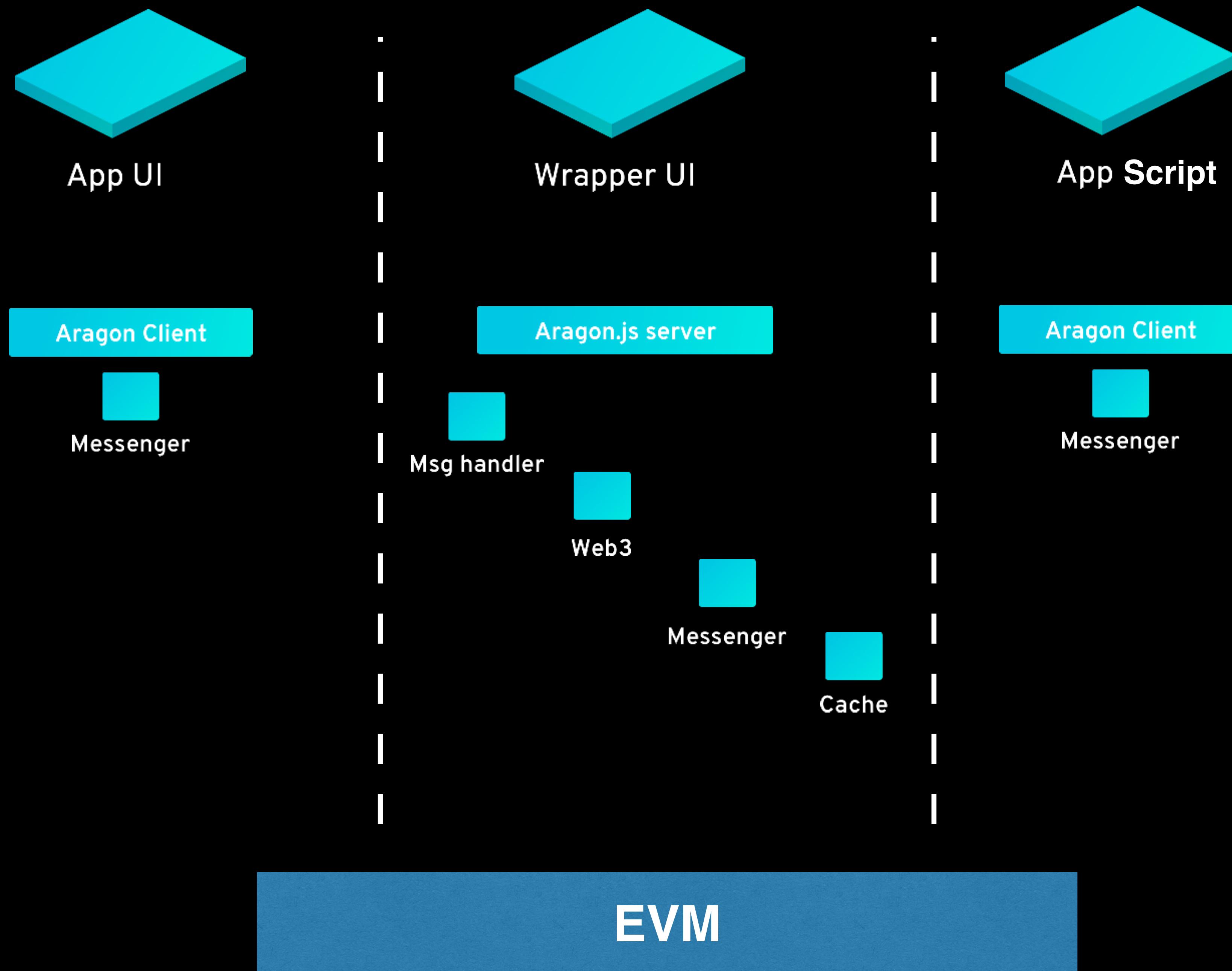


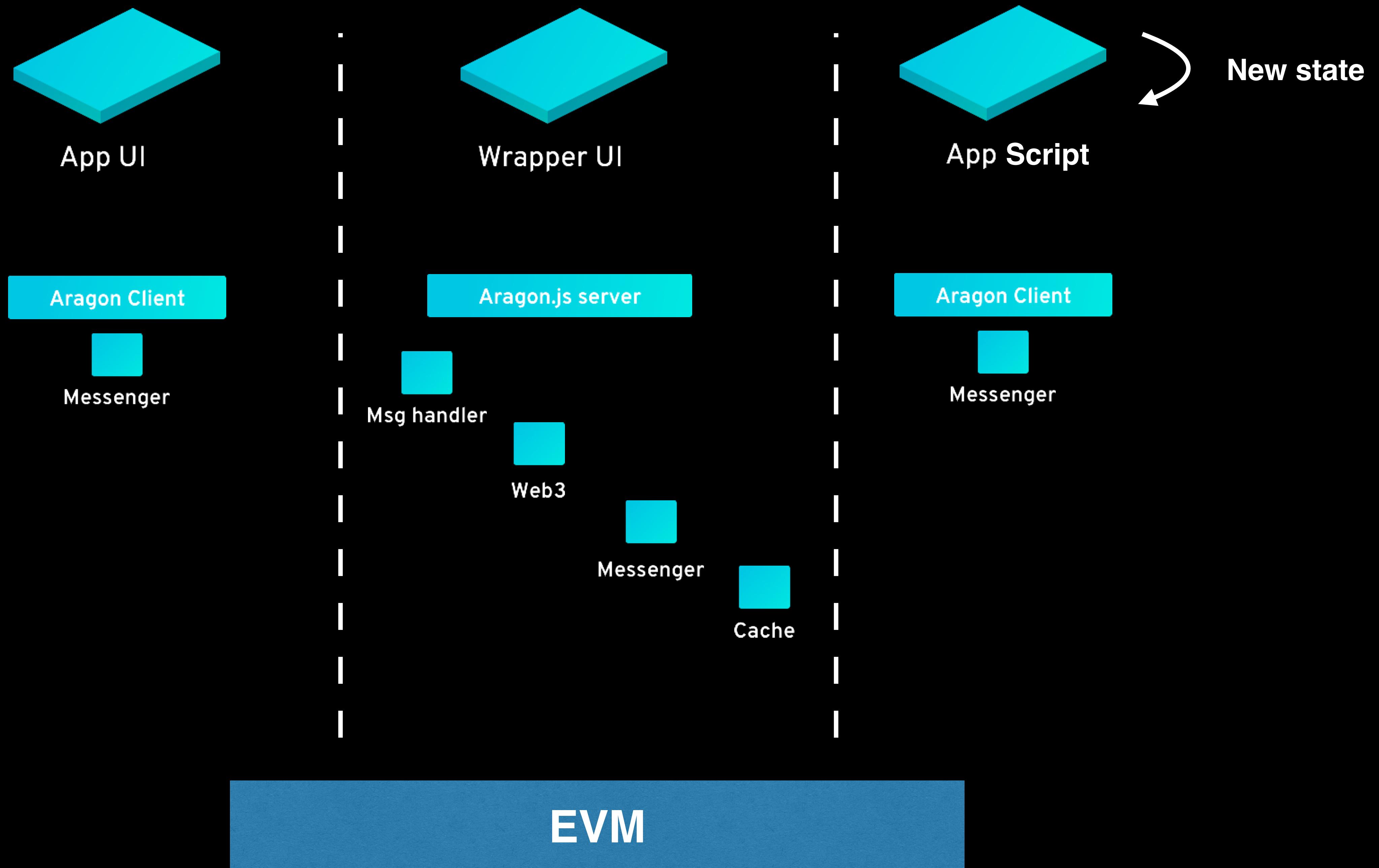


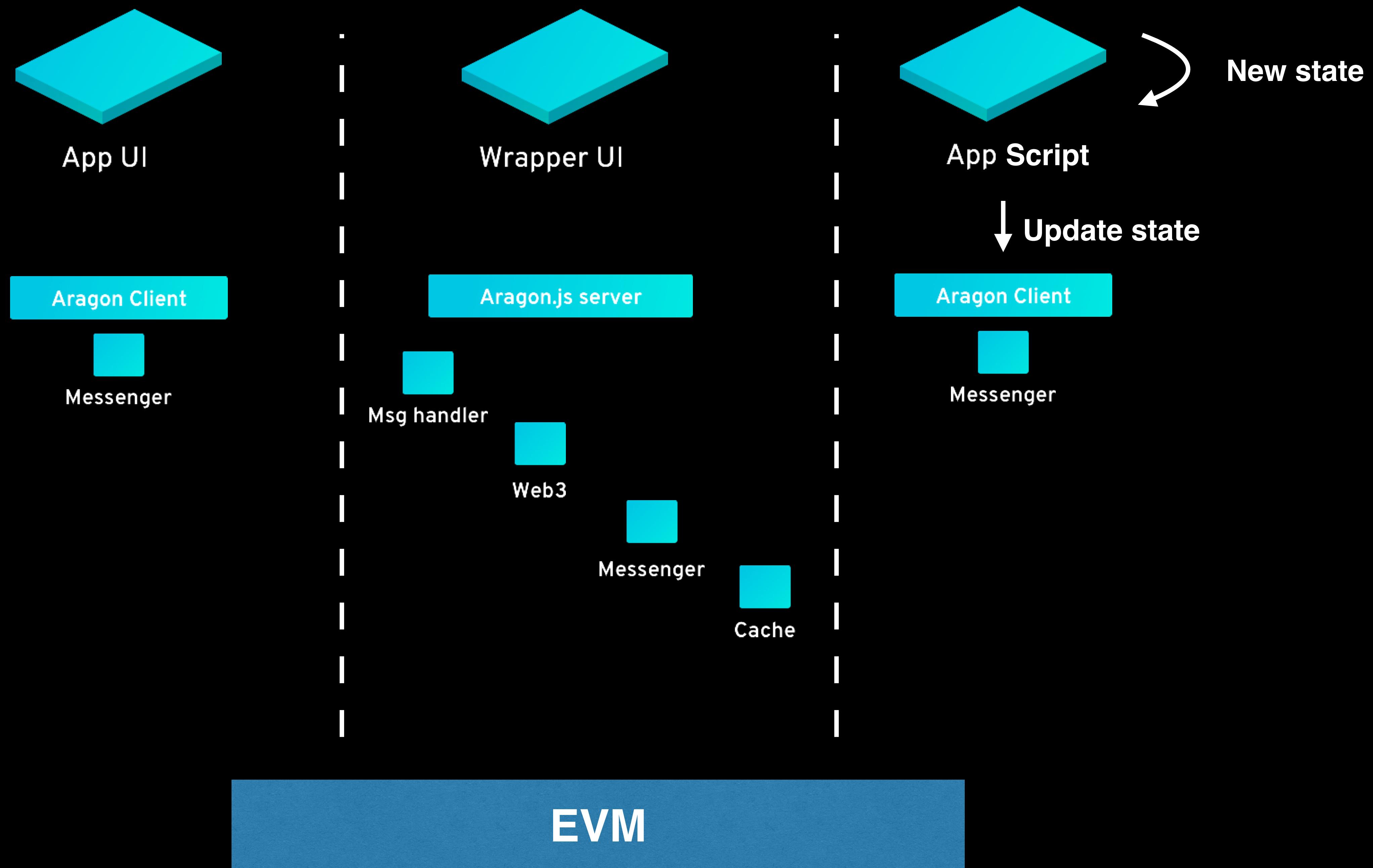
EVM

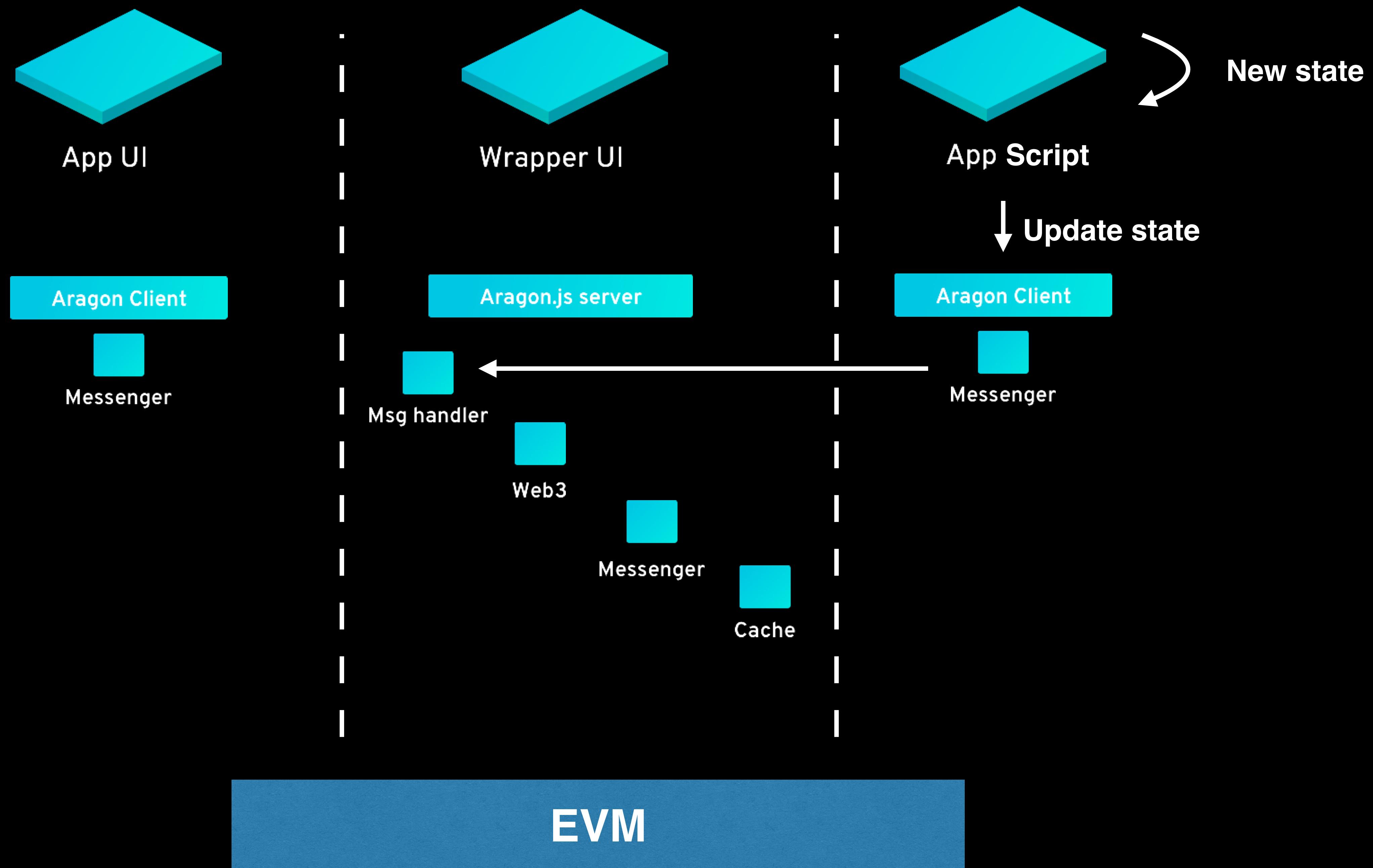


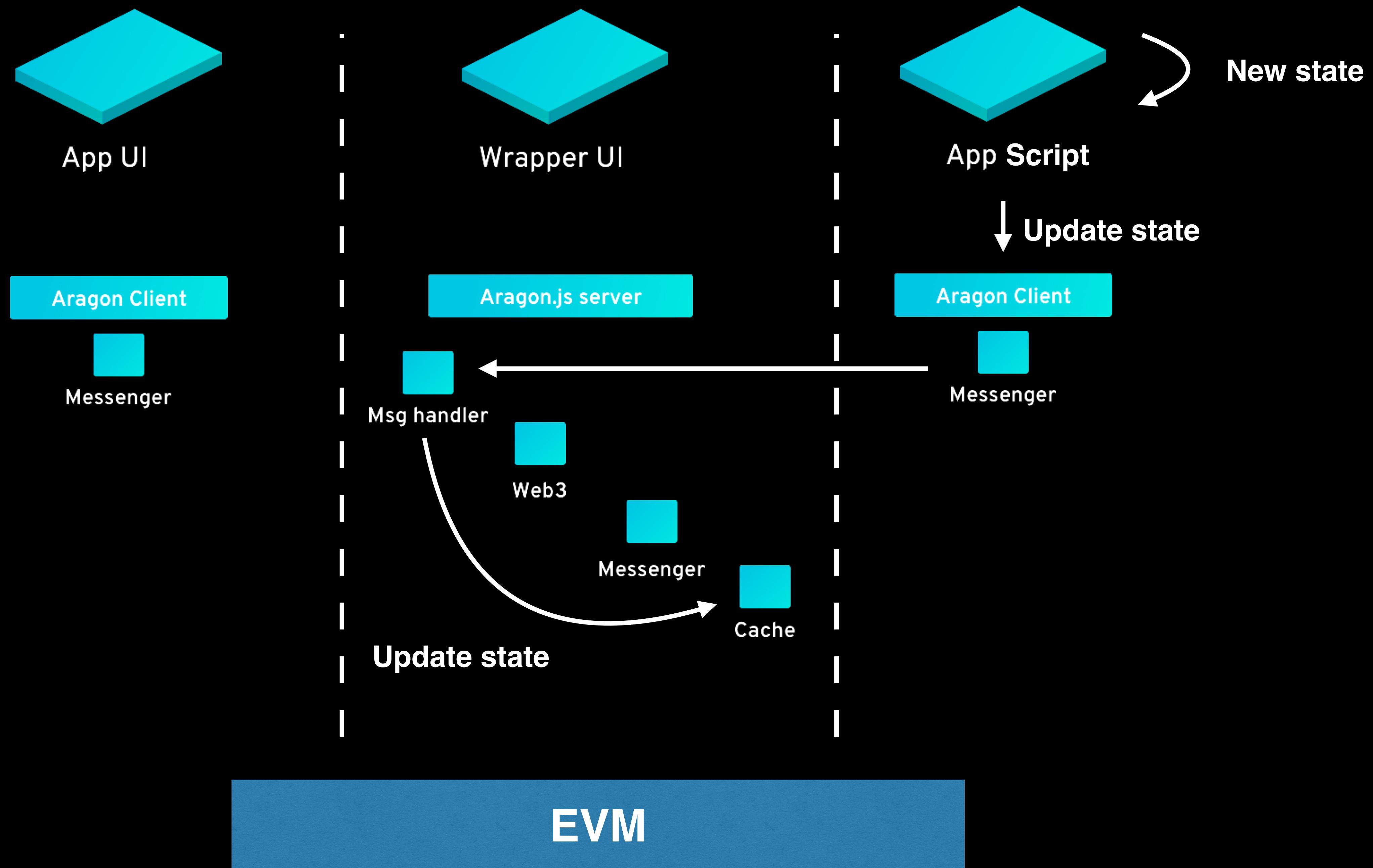


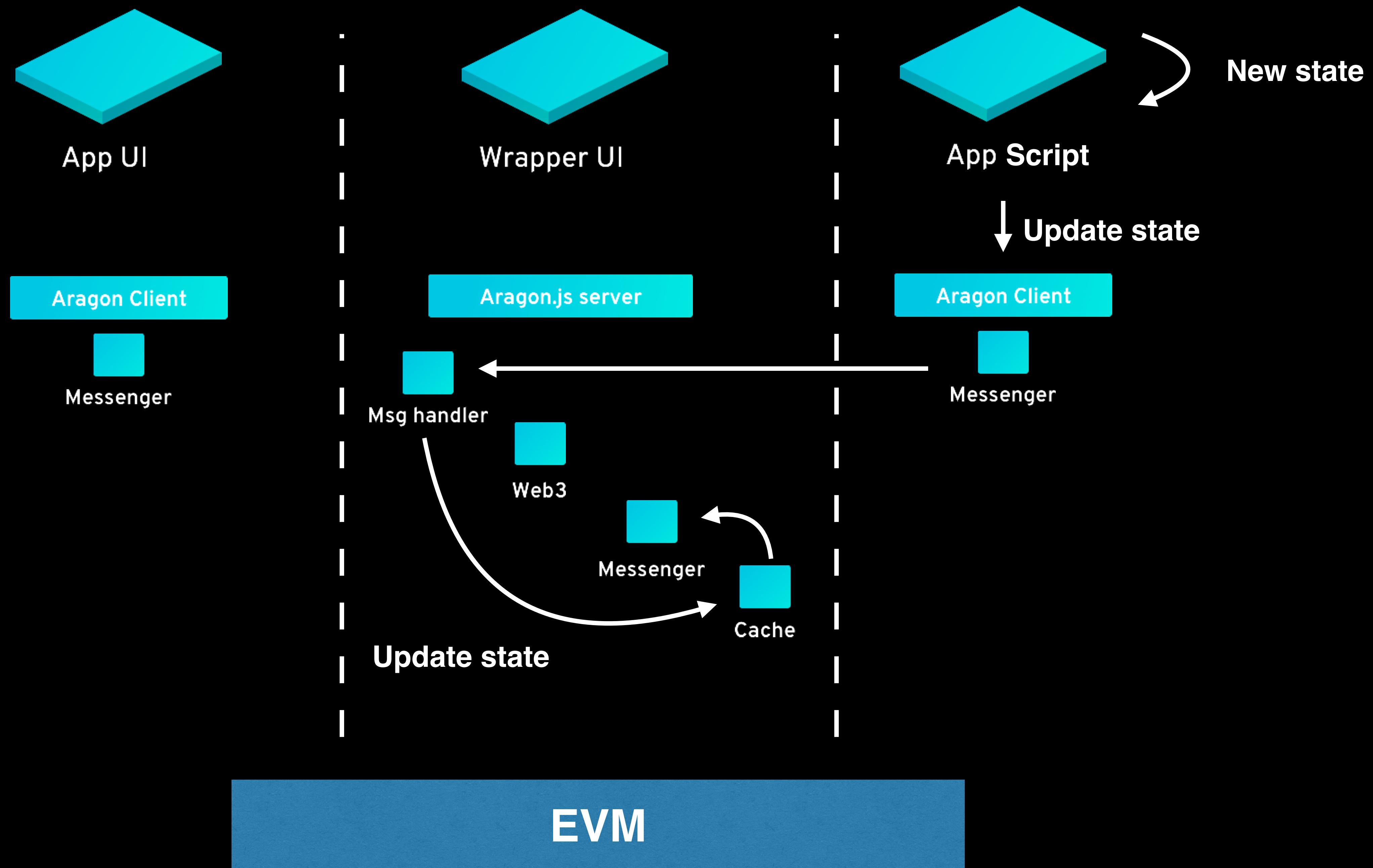


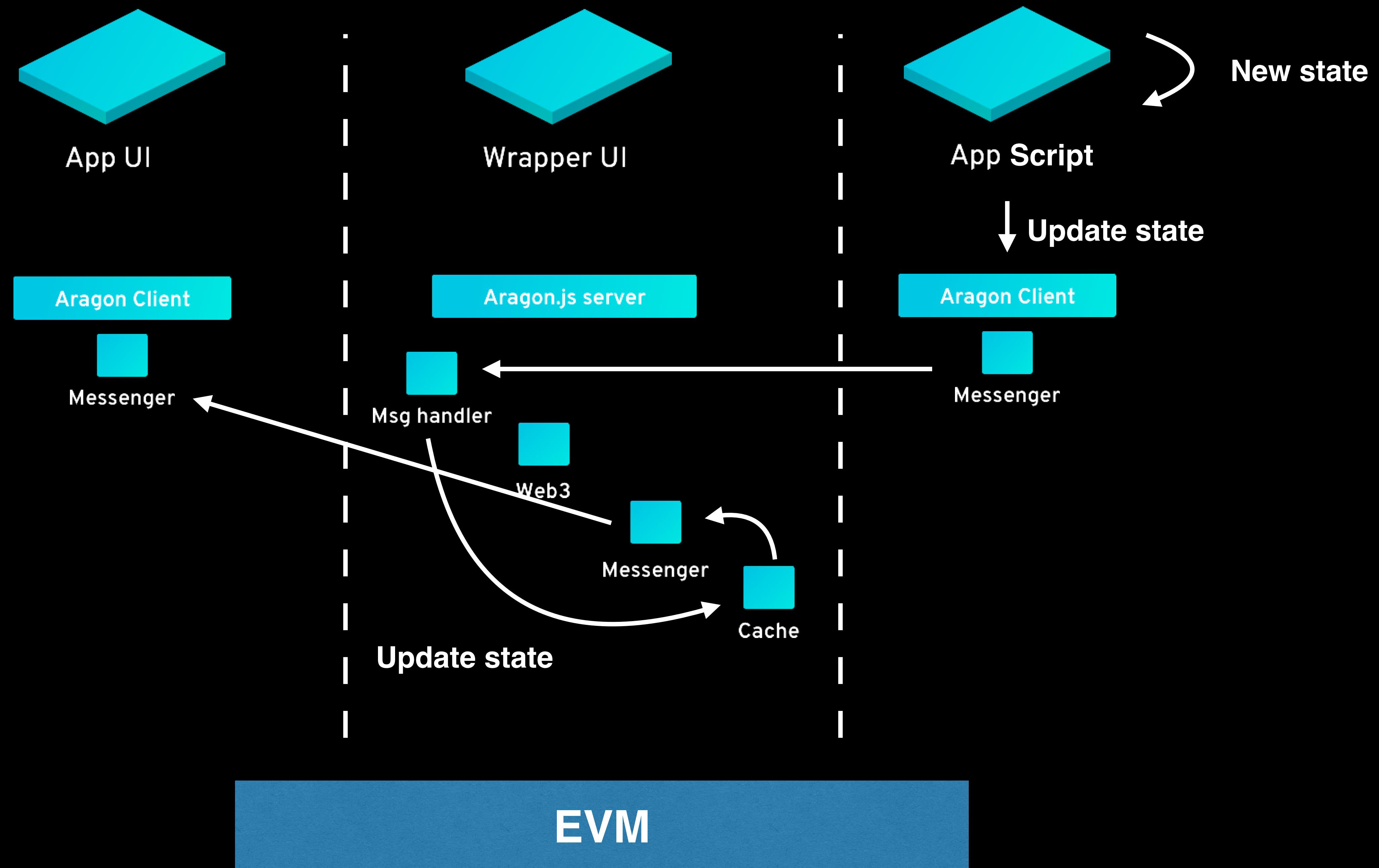


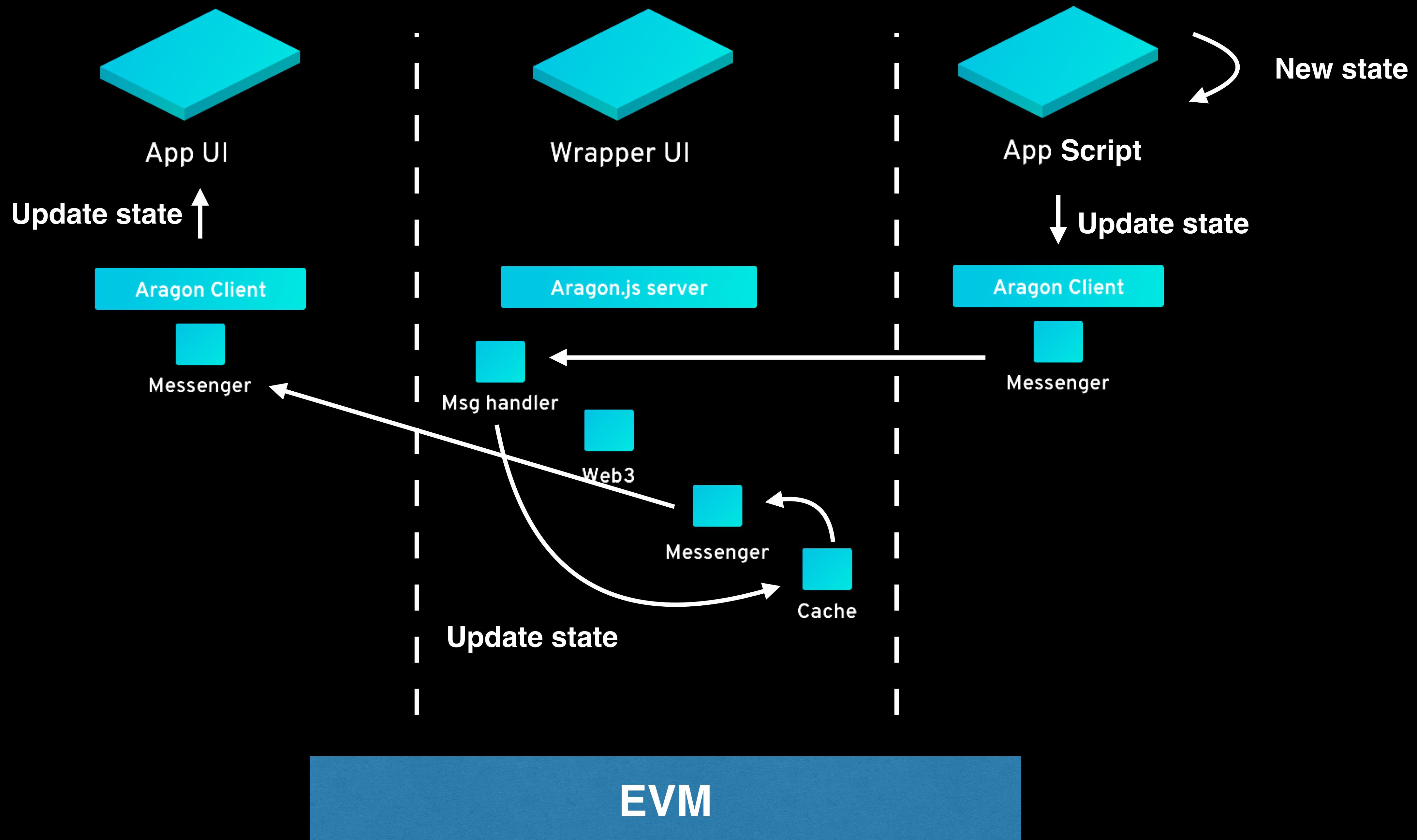












Transaction Forwarding

Voting > XVT

Open votings

TIME REMAINING	QUESTION	VOTE
01d 10h : 23m : 52s	Are you agree to share Lorem ipsum?	3920
00d 01h : 08m : 28s	Fusce vehicula dolor arcu, sit amet blandit dolor mollis nec. Sed sollicitudin ipsum quis nunc sollicitudin ultrices?	49201

Past votings Hide

STATUS	QUESTION
Approved	Fusce vehicula dolor arcu, sit amet blandit dolor mollis nec. Sed sollicitudin ipsum quis nunc sollicitudin ultrices?
Rejected	Fusce vehicula dolor arcu, sit amet blandit dolor mollis nec. Sed sollicitudin ipsum quis nunc sollicitudin ultrices.
Time out	Fusce vehicula dolor arcu, sit amet blandit dolor mollis nec. Sed sollicitudin ipsum quis nunc sollicitudin ultrices.

Sign Transaction

Permission note:
You cannot directly perform this action. You do not have the necessary permissions.

Action Requirement
Here are some options that you can use to perform it:

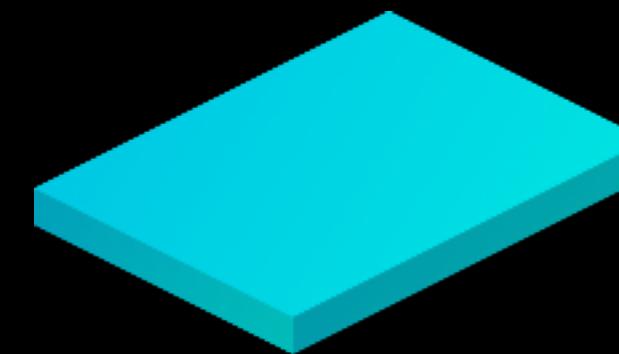
- Voting (ANT)**
The Voting (ANT) app will create a new voting for ANT holders to decide whether to perform this action or not.
- Tokens (XVT) → Voting (ANT)**
 - The Tokens (XVT) app will forward actions requested by XVT token holders.
 - The Voting (XVT) app will create a new voting for ANT holders to decide whether to perform this action or not.

Action to be triggered
This transaction would eventually perform a payment to address [0x52b...1ka11](#) Estimated payment cost ?

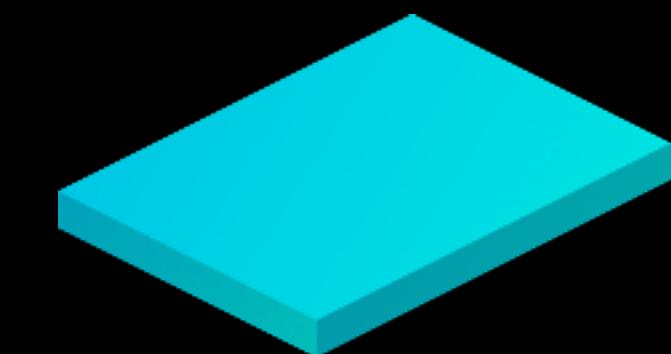
Sign Transaction

And finally back to the DOM...

DOM



Wrapper UI



App UI

JS

UI Framework

UI Framework

Script

Aragon.js server

Aragon Client

Aragon Client

Cache

Msg handler

Messenger

Messenger

Web3

Messenger

EVM

Kernel

ACL

EVM Scripts

App 1

App 2

App 3

Aragon UI

The screenshot shows a web browser window displaying the Aragon UI documentation at ui.aragon.one. The page has a dark theme with a light gray header bar. The main content area features two columns. The left column is a sidebar with the title "Aragon UI" and a list of UI components under three categories: STYLES, CONTROLS, and CONTAINERS. The right column displays three examples of Aragon UI components: a "New Voting" button, a "New Payment" button, and a modal dialog.

STYLES

- Colors
- Theme
- Text

CONTROLS

- Button
- DropDown
- ContextMenu
- TextInput
- Field
- SafeLink

CONTAINERS

- AragonApp
- AppBar
- SidePanel

Aragon UI

Aragon UI allows you to develop apps that look and feel like Aragon apps.

New Voting

New Payment

Modal Dialog

A real DAO, in use, right now

Aragon Package Manager

Web 3.0 package manager for arbitrary content:

- Smart contracts
- Websites
- Docker repos
- Git repos

with pluggable Aragon governance

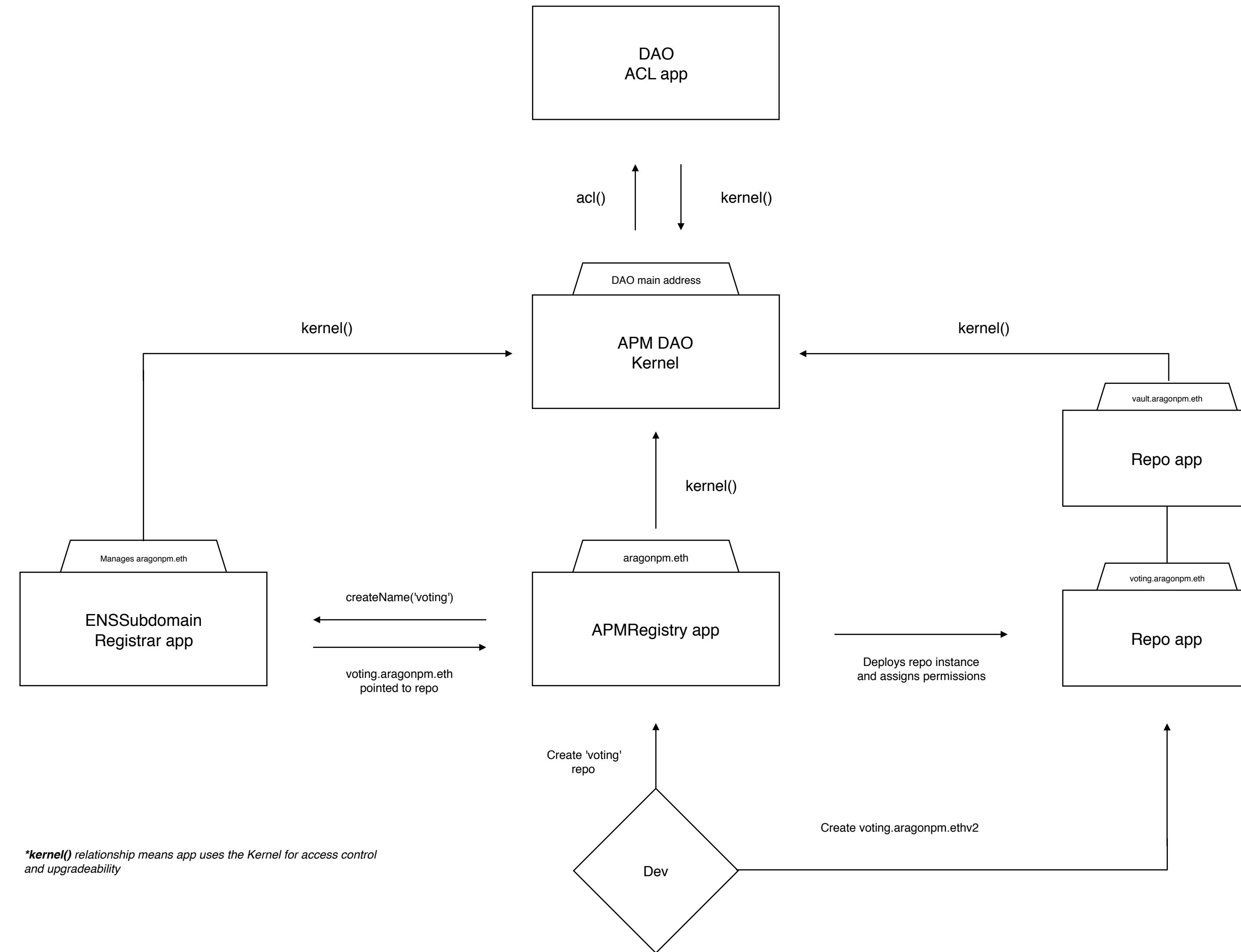
Aragon Package Manager

Web 2.0 bridge:

aragonpm.com -> aragonpm.eth

testtest.rinkeby.aragonpm.com

Aragon Package Manager



Flashback

Aragon is a project to empower freedom by creating tools to enable *decentralized governance*.