

Walletbeat

In action: Main page

`beta.walletbeat.eth.limo`



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Wallet		Stage		Rating ↓				
				Security	Privacy	Self-sovereignty	Transparency	Ecosystem
1	<div></div> <div><b>Ambire</b></div> <div>Software <span>EOA</span> <span>#4337</span> <span>#7702</span></div> <div> ▼</div> <div>Stage 0</div> <div></div> <div></div> <div></div> <div></div> <div></div>							
2	<div></div> <div><b>Rainbow</b></div> <div>Software <span>EOA</span></div> <div>  ▼</div> <div>Stage 0</div> <div></div> <div></div> <div></div> <div></div> <div></div>							
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Wallet

Rating ↓

Security Privacy Self-sovereignty Transparency Ecosystem

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`beta.walletbeat.eth.limo/ambire`



# In action: Wallet page

beta.walletbeat.eth.limo/ambire



## Self-sovereignty

*How much control and ownership over your account does Ambire give you?*



### Attribute Details:

● Self-hosted node

PARTIAL

● Account portability

PASS

● Transaction inclusion

FAIL



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# In action: Wallet attribute

beta.walletbeat.eth.limo/ambire



## Transaction inclusion Stage 2

FAIL

Can the wallet withdraw L2 funds to Ethereum L1 without relying on intermediaries?

✗ Ambire does not support L2 force-inclusion withdrawal transactions on Arbitrum or OP Stack L2s.

This means users rely on intermediaries in order to withdraw their funds from these L2s.

Ambire supports connecting to a user's self-hosted Ethereum node, which can be used to broadcast L1 transactions without trusting intermediaries.

Why should I care?

How is transaction inclusion evaluated?

What can Ambire do about its transaction inclusion?

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- **Put the bar high first:**

- Easier to adjust downwards later than the other way around

# Walletbeat structure in a nutshell

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- Why the decoupling?

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  - Allows complex rating logic, eg. Vitalik’s “Walkaway Test”

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    - Example: If license is FOSS: **PASS**; if not FOSS: **FAIL**.
- Why the decoupling?
  - Allows complex rating logic, eg. Vitalik’s “Walkaway Test”
  - Yet still keeps wallet feature data easy to understand.

Features

Attributes

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Does the wallet use a  
light client for L1?

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# Attributes

Does the wallet verify the  
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Is the wallet Free and Open Source Software (FOSS)?

Does the wallet's transfer function integrate with Privacy Pools?



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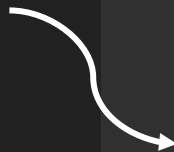


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Is the wallet's source code source-available?

Does the wallet's transfer function integrate with RAILGUN?



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Wallet  
teams  
can input  
feature  
data...

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Is the wallet Free and Open Source Software (FOSS)?

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Does the wallet provide token transfer privacy?



## Features

Wallet  
teams  
can input  
feature  
data...

## Attributes

... but don't  
decide how  
attributes  
interpret  
such data

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# Walletbeat attributes

Walletbeat attributes:  **Security 1/2**


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- Probably more to come; Coinspect partnership TBD.


Walletbeat attributes:  **Privacy**





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  - And, because, well:

## Who this data is being sent to

X Headers Payload Preview Response Initiator Timing Cookies

▼ General

Request URL:

https://api.████.io/v1/wallet/recommend\_chains?user\_addr=0xae

**Request Method:**

GET

Status Code:

Remote Address:

## Referrer Policy:

● 200 OK

:443

## ▼ Response Headers

Cache-Control: no-store

Content-Length: 250

Content-Type: application/json

~~Date:~~

```
Server: dbkserver
```


Strict-Transport-Security: max-age=31536000

Vary:	Origin
-------	--------


The URL I am visiting

Walletbeat attributes:  **Self-sovereignty**

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Walletbeat attributes:  **Transparency**



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[pause for a breather]

That's a lot.

How to make sense of it all?

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  - “**Wartime-ready wallet**” badge 



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- ***Cross-cutting*** rating system for wallets.
- **Stage 0**: Table stakes
- **Stage 1**: Significant commitment on all fronts
- **Stage 2**: Full commitment to Ethereum values on all fronts
- **Badges** for significant milestones across each Ethereum value
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  - “**Privacy is normal**” badge 
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- How do we **get wallets to care**?
- How do we know how/when to **change the bar**?
- How will governance **avoid capture**?
- **Sustainable funding** for wallet research/updates?

# Come contribute!



beta.walletbeat  
.eth.limo



github.com/walletbeat



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/channel/walletbeat



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