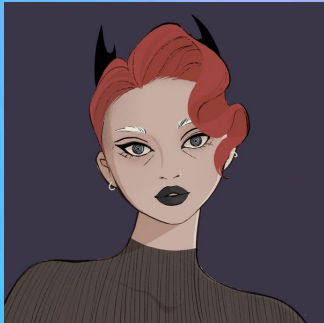


💫 Wallet Standards 💫

🔧 *Scene Report* 🔧



@bumblefudge ([CASA](#), [IP](#))
EIP Day, EthDenver, 29.2.24

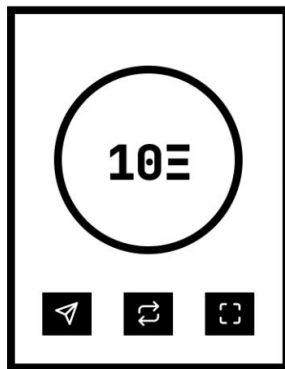
These slides are at <https://bit.ly/wallet-goss-denver24>

EIPs ain't what they used to be

- Uniform process and criteria across all “Categories” isn't cutting it anymore
- All Core Devs, a tightly-coordinated group that decided **protocol changes** (i.e. to the ethereum clients) wanted more autonomy
- EIP process is hopefully moving to a more parallelized “standing working group” structure, with “Core” and “Networking” EIPs governed by the core-and-networking people
- RIPS (the Layer 2 people) are possibly branching out and following this model as well
- Should a Wallet Working Group cover RPC methods and **Interface** ERCs?
- Should a Contract Execution Working Group cover token and (non-wallet) contract standards?

THE WALLET STACK

Wallet Client



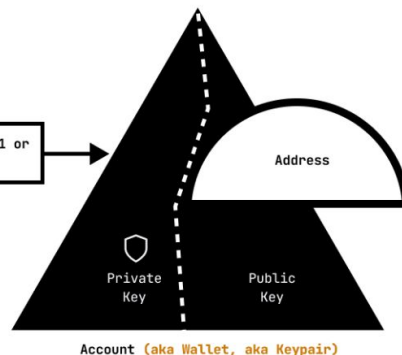
"Which **wallet client** should I use?"

Recovery Method
+ Wallet Structure



"Does this client support my **recovery method**?"

Account (**aka wallet**)
+ Address



"Which **wallet** should I send this to?"

Src: "[the Wallet Stack](#)" by Ryan Betts (Fission, organizer: Wallet UnCon Salon)



This is basically the “Layering” model of the EVM already, and it maps to classic software mental model:

Application Layer

← App/Business logic

Permission layer

Key
Management

Account
Abstraction

Policies

Intents

← User-Agent - wallet as “browser for web3”

Solver layer

Mempools

Sequencing

Auctions

OrderFlow

Private
Computation

Routing

Last look

Inventory

← Smart Contract Execution - app-specific backend (composable)

Settlement layer

Oracles

Bridges

Pre-
Confirmation

Data
Availability

← Infrastructure: Network and Core

Finality

Liquidity

Proofs

Execution

Src: [CAKE Working Group](#)

An [Antagonistic] Actor Model - Who's got whose back?

If the user trusts the wallet to be their representative in web3, a wallet's primary duties are User **Experience**, **Permissions**, and **Trust**. A thin membrane protects (and anonymizes) the User!

- Are wallets working together to build empires of trust and UX?
- Are we standardizing enough to deliver permissioning anonymously?
- Are we writing ERCs that never become standards because we have no “next steps” after pushing an ERC to final?
- Are we passively waiting downstream and letting other layers design our constraints and possibilities for lack of coordination?
- Is anyone paying attention to the market for and demands of multi-VM/multi-L1 wallets?

CTA: Get organized! Make a Standing Working Group!