



MANAGING 2 CHAINZ AIN'T EASY





Account Abstraction

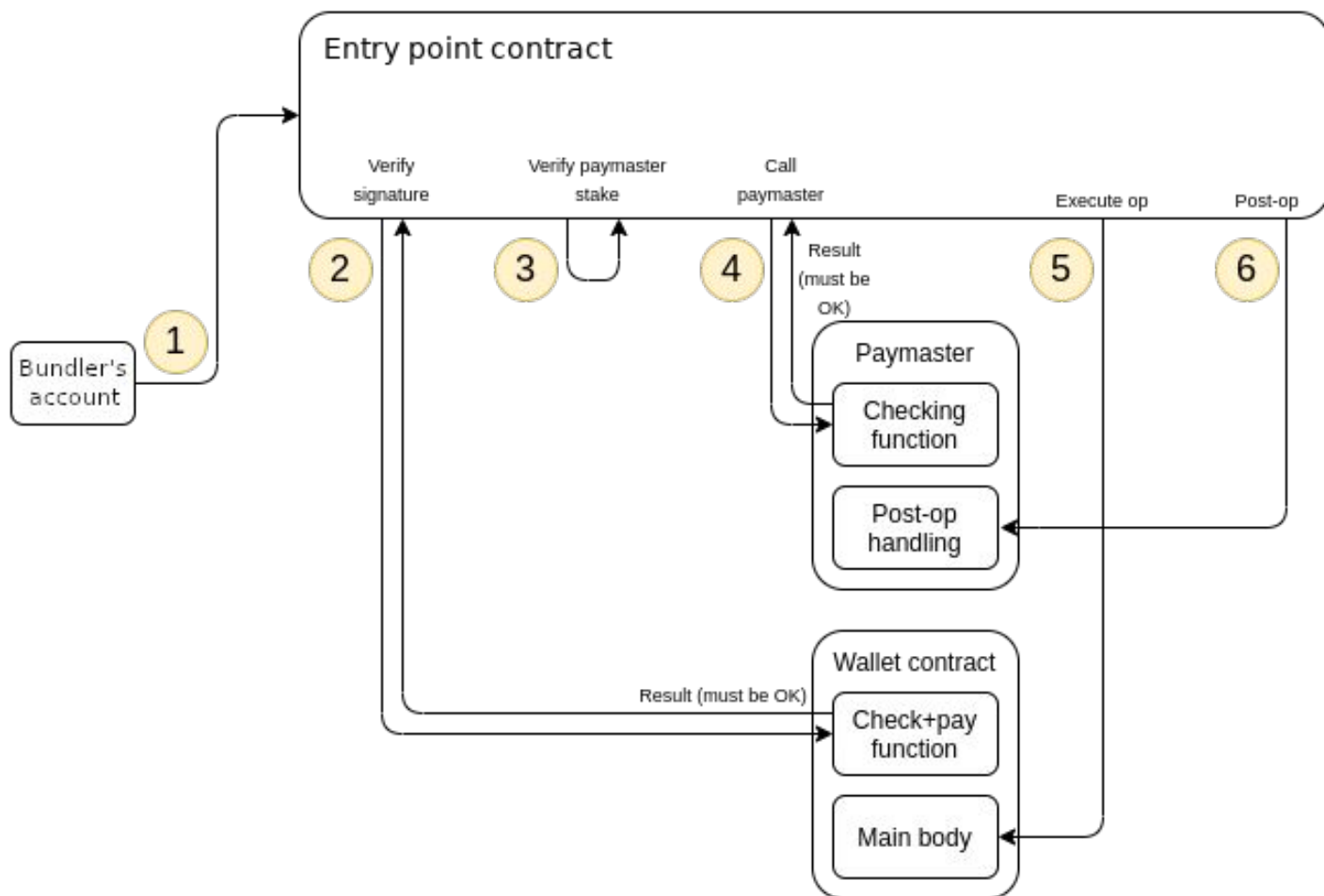
- EOA is currently needed for any interaction with Ethereum
- Programmable transaction validity
- Contract wallet as first class citizen
- Ultimate goal is to replace EOA

What it enables?

- Better UX ofc
- Social recovery
- Multi-sigs
- Different signature schema (BLS, ed25519...)
- Payment for gas with any token
- “Free” transactions
 - Tornado cash
 - Bridge withdrawal

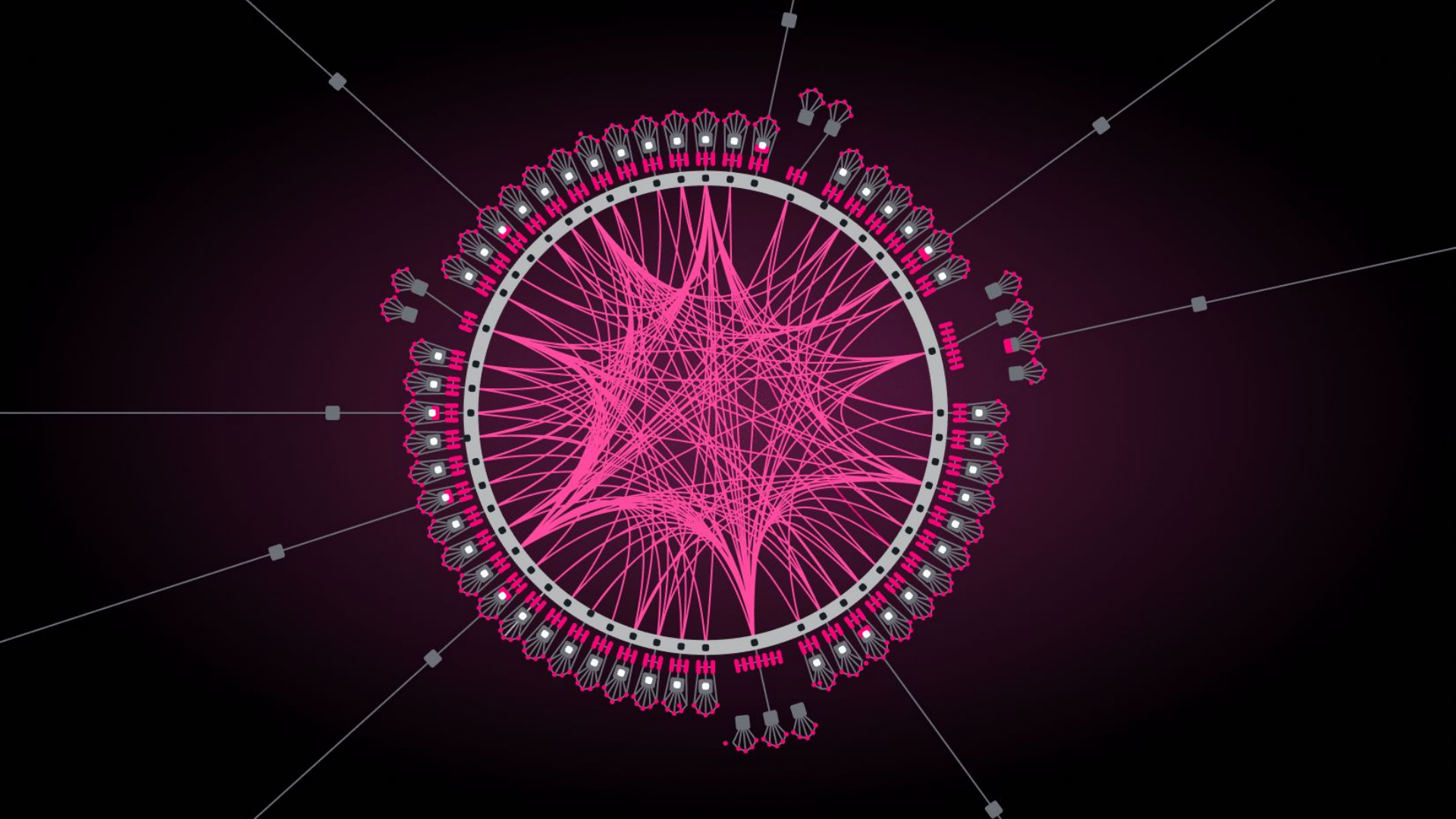
How it currently works

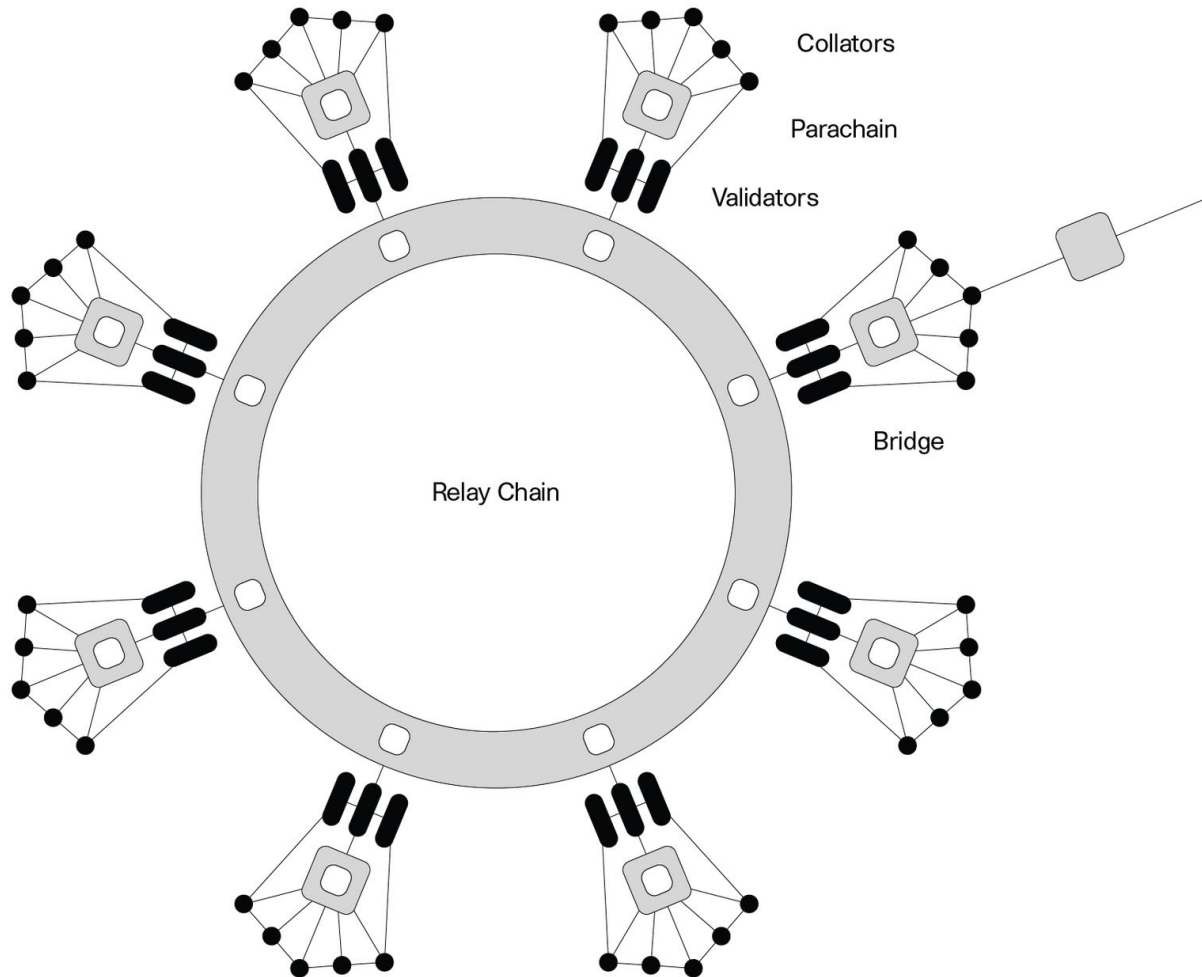
- ERC-2938 → ERC-4337
 - “Upgrade” without protocol change
- Next gen GSN
- Wallets
 - Validation (supported opcodes limited)
 - Execution
- Separate mempool with signed transactions
- Bundlers (usually miners, validators)
- Paymasters (staked)
- Entry point contract

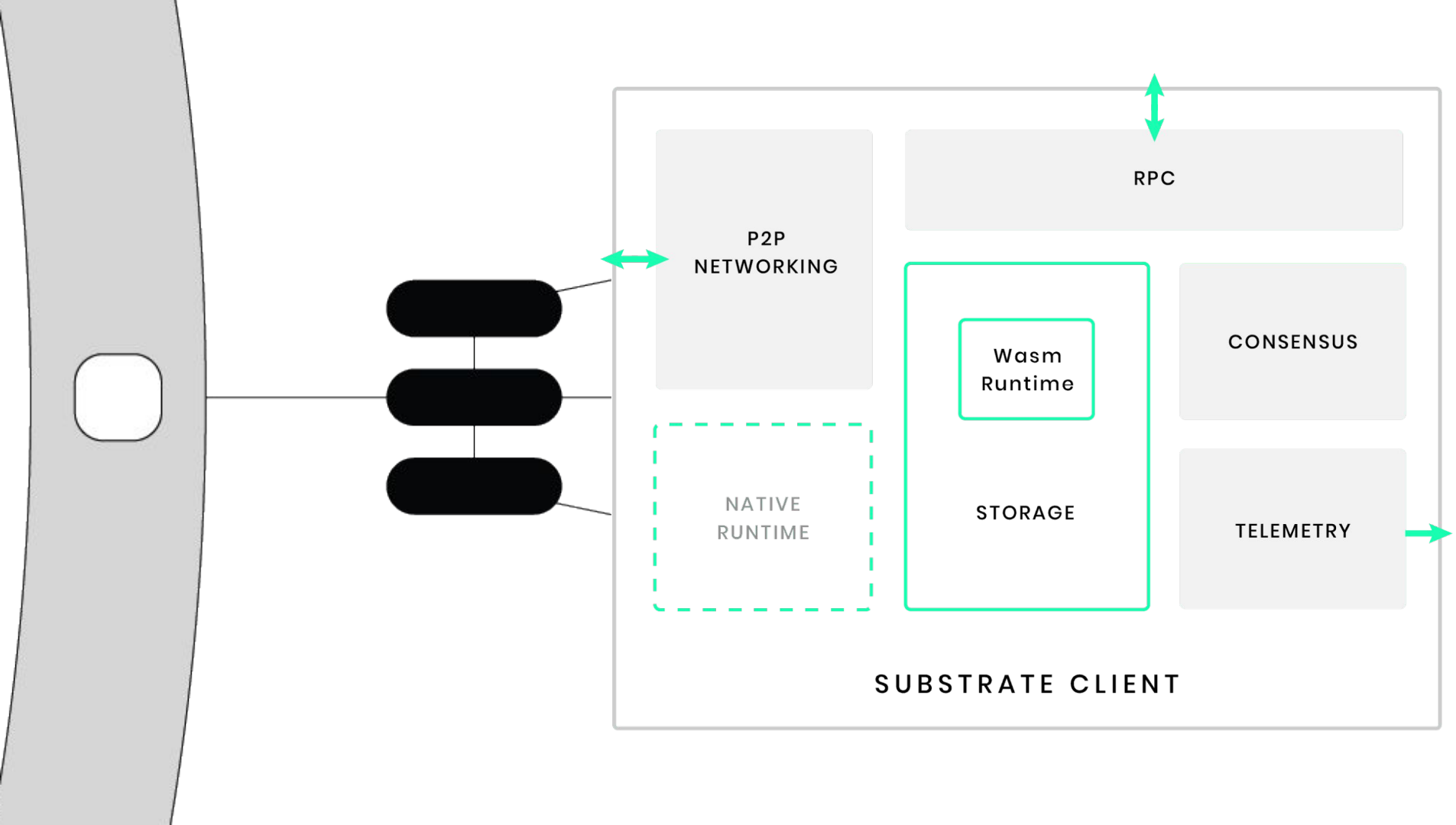


Wen?

- On L1 and even L2 near you
- Will it be part of protocol and kill EOA?
 - Post merge 🙌
- Builders needed







How do you do it on parachain?

- Focused on specific use-case
- Just change protocol!
- Every parachain has its own token for transaction fees
 - What if you want to transfer something else?
- Have to link ETH wallet somehow...
 - Claims, claims, claims
- Multi-sigs with proxies
- Unsigned transactions
 - Different signing schemes

