

Issues of EOAs

- Complexity for Non-Technical Users: Managing EOAs requires a level of technical understanding that most average users do not possess. Without intuitive interfaces or educational resources, many struggle to grasp key management concepts.
- Inaccessible Recovery Mechanisms: For most people, the process of securely storing and retrieving seed phrases feels burdensome and impractical, creating barriers for mainstream users.
- **High Stakes of Mismanagement:** A single mistake in handling an EOA can lead to the irreversible loss of assets, heightening user anxiety and deterring wider adoption.

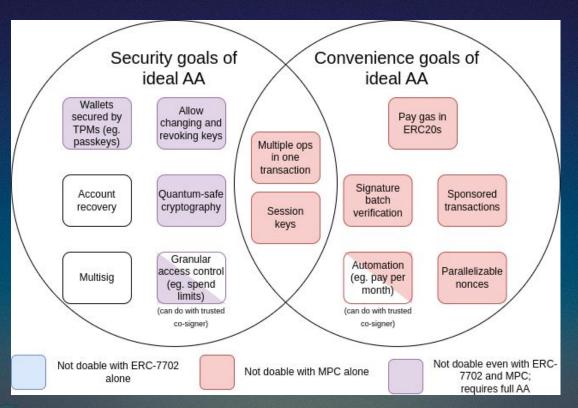
MPC wallets

- Social login, off-chain key recovery
- Off-chain, private transaction policies
- 40+ year old technology, ready to use

Account Abstraction

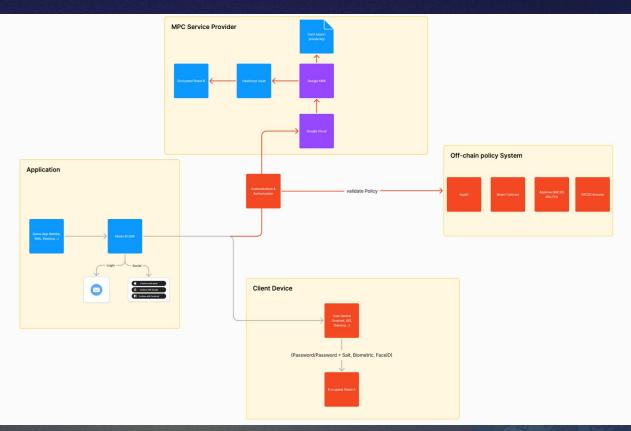
- Social login on-chain key recovery
- On-chain, transparent transaction policies
- Relatively new and still under development, but flexible, and more future-proof

Combine MPC and EIP-7702



Privilege de-escalation

Users can grant access to the key shards within the MPC system, which includes a ready-to-use management solution for handling these key shards.



Time-lock on-chain key recovery

- Selecting an MPC threshold involves trade-offs
 - 2/3 threshold: transactions can be signed without user knowing
 - 2/2 threshold: key cannot be recovered if user loss their key shard
- 2/2 threshold with time-lock on-chain key recovery
 - Allow either shard to gain wallet access if the other shard does not challenge within 30 days

