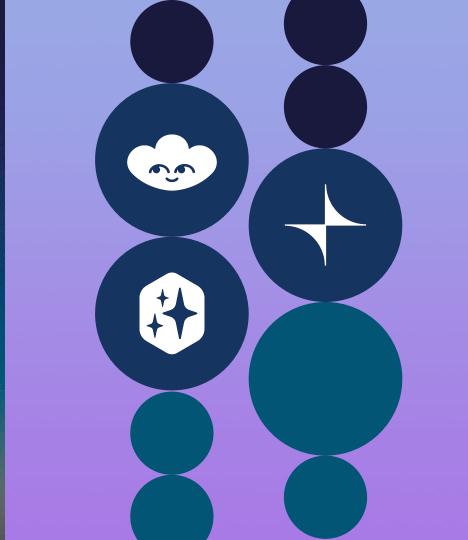


Rollup-centric Ethereum

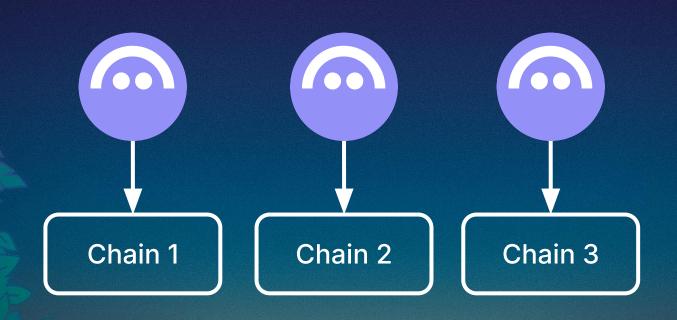
World Computer

Internet of Chains

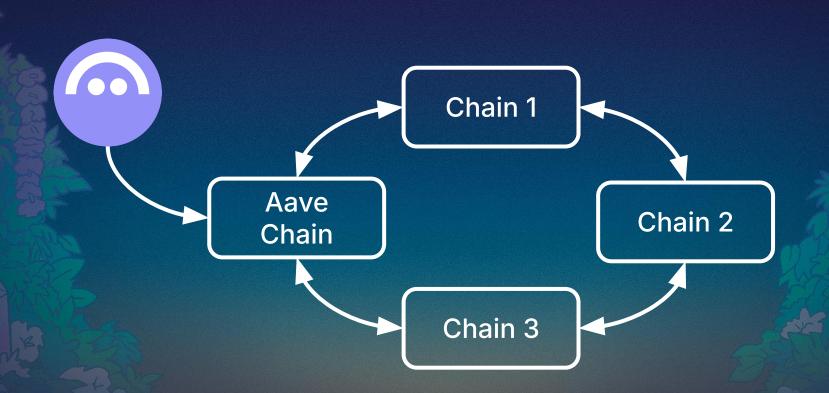
DApps → AppChains



Going from this...



...to this



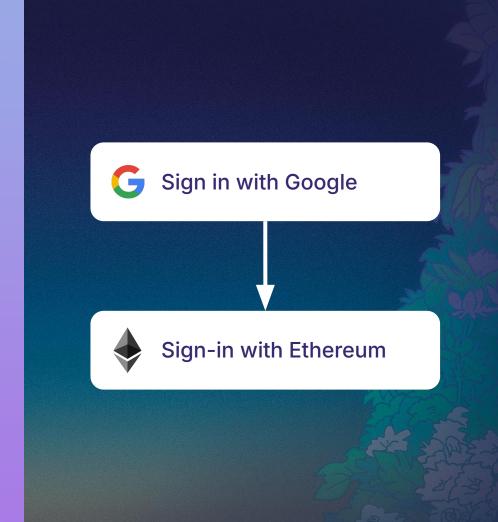
Why apps want this?

DevEx + Customizations + Ownership





1. Single account



2. Interaction with any app, anywhere



No manual bridging



No network switching



Fast confirmation

3. Zero overhead

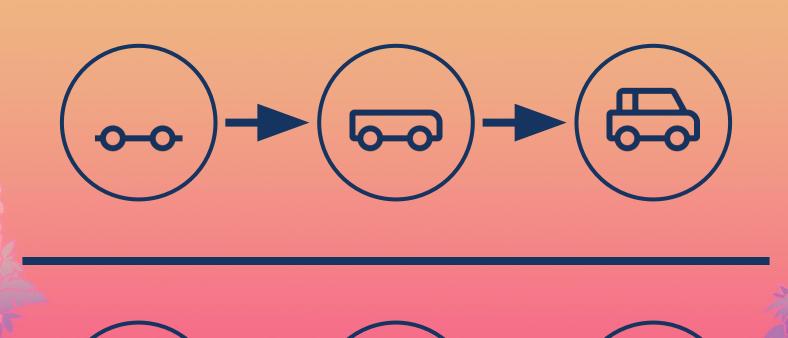


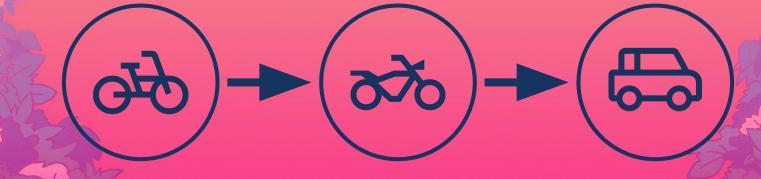
No bridging costs



No additional security risks











Intertop standards



Hierarchical chain registry



Chain-specific address format: 0x123... 890@zksync.eth

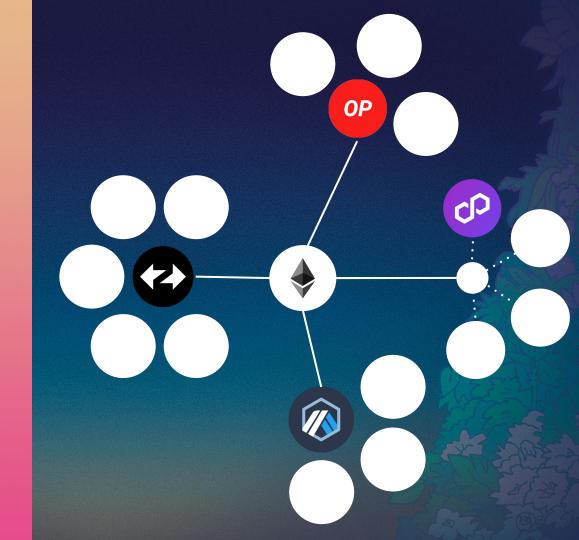


Cross-chain calls API

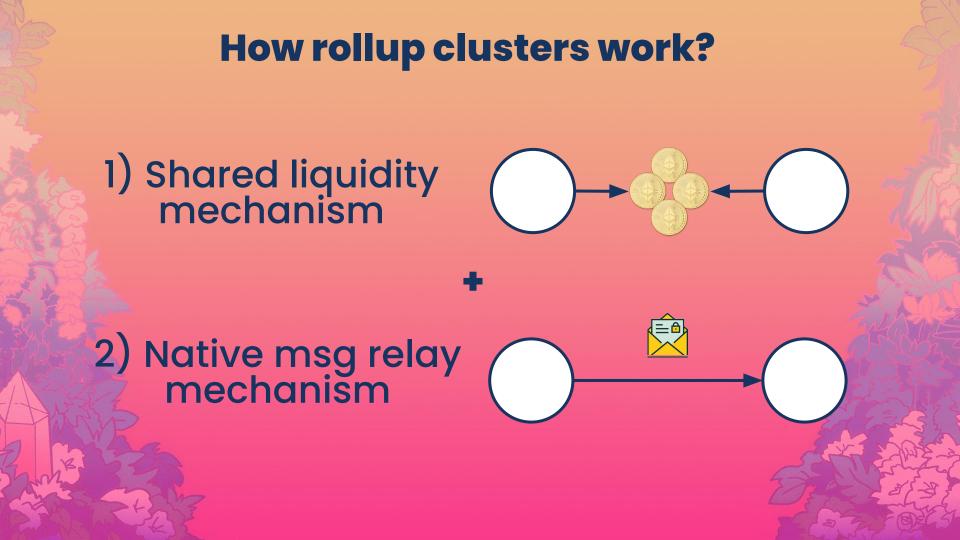




Rollup clusters

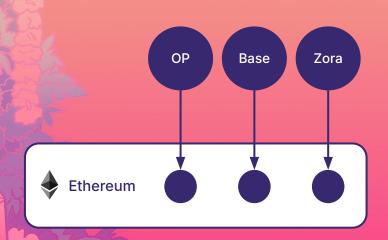






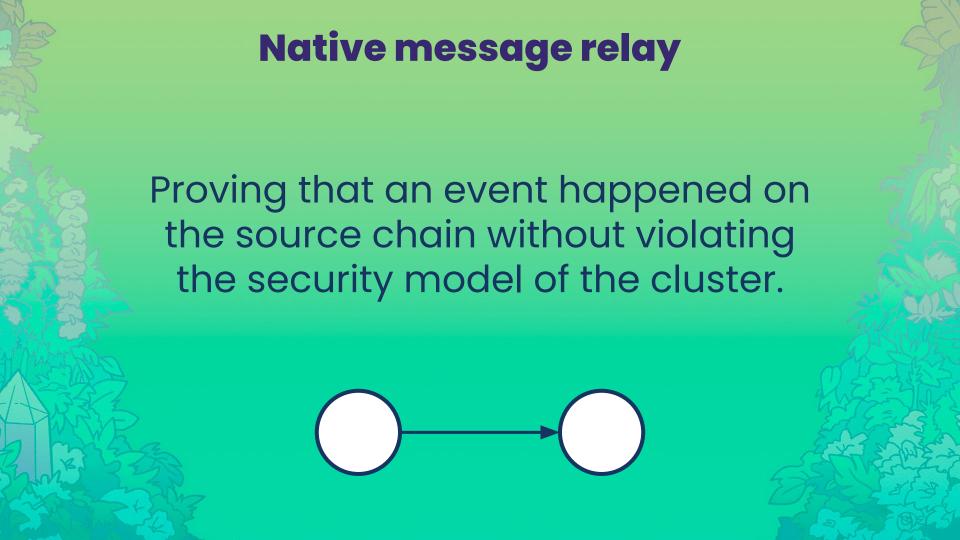
Shared liquidity

Separate bridges



Shared bridge



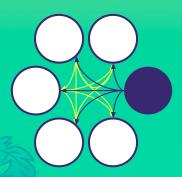


Native message relay

Optimistic

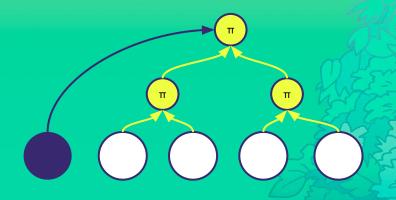
Every node verifies all transactions on all chains.

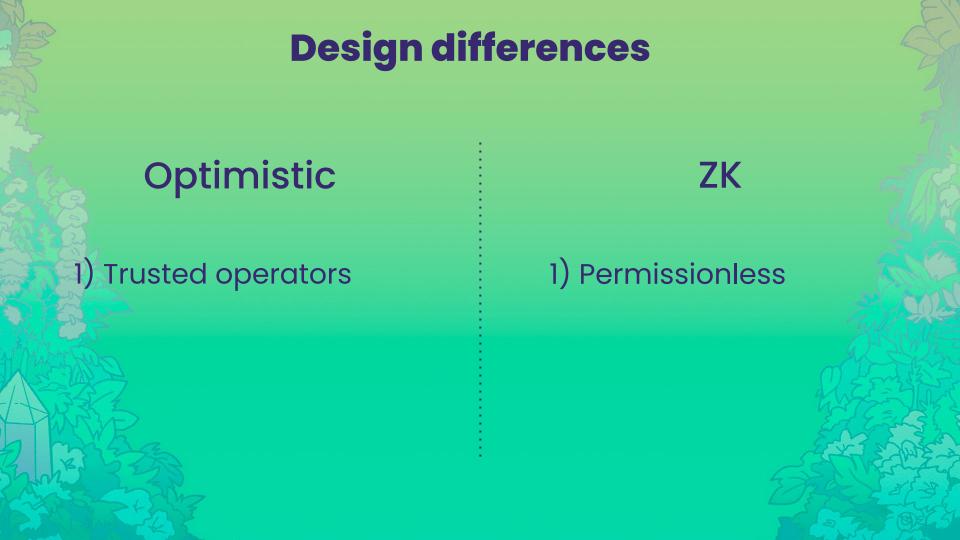
All chains link to all others here (to show too much work)



ZK

Every chain waits for proofs and DA aggregation from other chains.





Design differences Optimistic ZK 1) Trusted operators 1) Permissionless 2) Limited capacity 2) Uncapped

Design differences

Optimistic

- 1) Trusted operators
- 2) Limited capacity
- 3) Ethereum DA

ZK

- 1) Permissionless
- 2) Uncapped
- 3) Any DA

Design differences

Optimistic

- 1) Trusted operators
- 2) Limited capacity
- 3) Ethereum DA
- 4) Uniform architecture

ZK

- 1) Permissionless
- 2) Uncapped
- 3) Any DA
- 4) Custom designs

2025 is the year of AppChains

