

Bridges 2.0

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Overview: L2 Growth

- **20+** rollups on top of Ethereum
- All rollups TVL = **6B** (½ of Mainnet TVL)
- Arbitrum = **100+** dApps
- Optimism = 60+ dApps

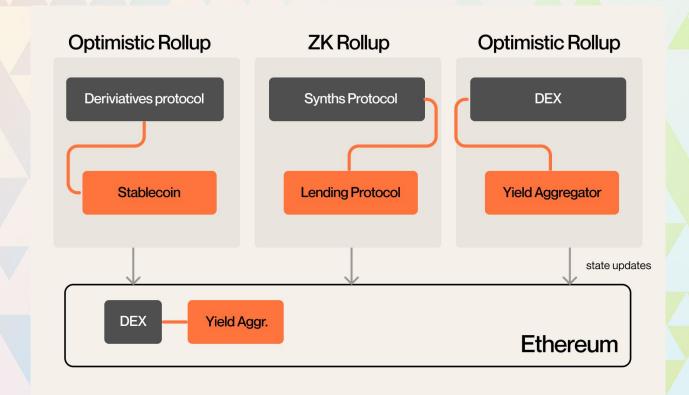
Low fees and high transaction throughput OVER composability.

The Side Effects

- dApp silos across rollups
- Fragmented liquidity
- End-user UX is not optimal

"Money legos"

What Is Composability?



A Thriving dApp Ecosystem on L2, but fragmented

















+8 others

+14 others



- Lending
- Yield Aggregators
- Derivatives (Perpetuals and Options)
- CDP
- NFT Marketplaces
- Synthetics
- Stablecoins
- Insurance

A Use Case Example in Action

Scenario: A user wants to move their liquidity position from Curve on Arbitrum to Curve on Optimism.

- 13 user transactions are needed.
- Wait **7 days** to exit Arbitrum.
- **Exit and enter fees** paid on Mainnet.



The Role of Bridges - So Far...

- 10+ bridges for "rollup hopping" or quick ERC20 withdrawals from Optimistic Rollups
- Improved interoperability but not composability and UX

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From Bridges → Interoperability Protocols

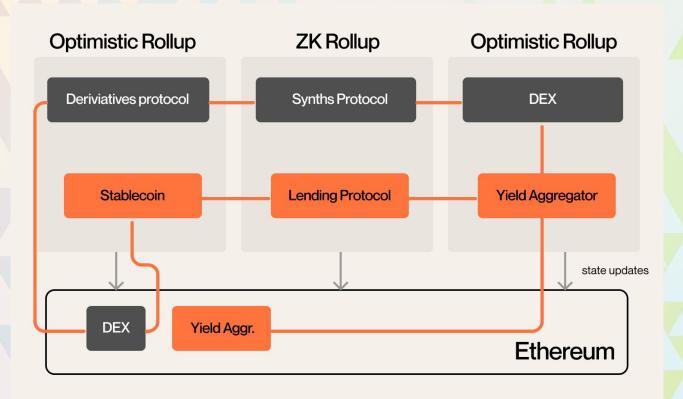
- Focus away from ERC20 transfers.
- **Infrastructure** for protocols on L1/L2 to interact with other L1/L2 protocols **via messages**.

Security:

- Ultimately the messaging infrastructure should rely on Mainnet security (like L2s).
- ERC20 transfers can be built on top -> L2 assets with the same security guarantees as L1 assets.

Focus on Message Passing from L2 → L2/L1

"Cross rollup money legos" The End-Game



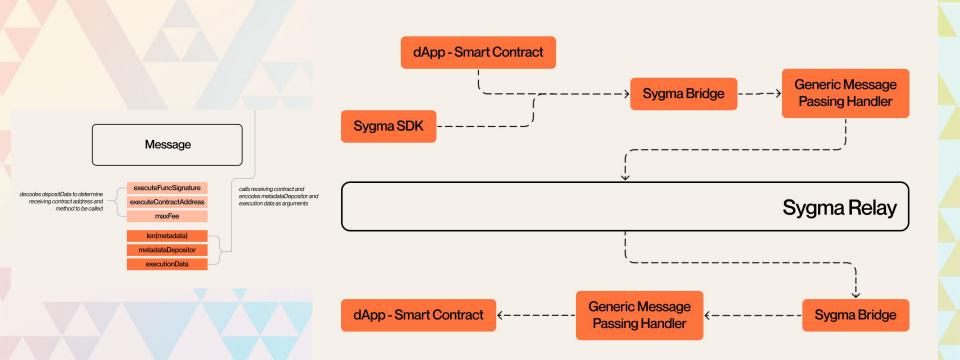
Benefits of Cross-Rollup Composability

Imagine if you didn't have to manually bridge for cross-rollup:

- Token swaps and liquidity provision
- Governance
- Borrowing on an L2 with collateral from another L2
- Lending your NFT or borrowing against it



Cross-Rollup Composability Layer





Thank you!

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