spiko

DEVCON 8 · MUMBAI

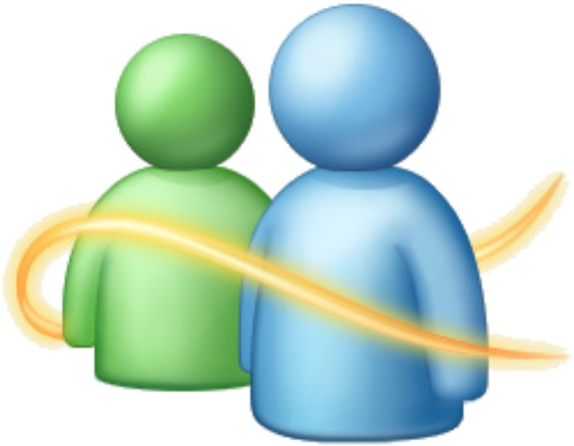
When a Chain Shuts Down

Keeping on-chain history alive

Nicolas Assouad
Tech Lead, Spiko

1999 – 2013

MSN Messenger



Microsoft moved everyone to Skype. Your contacts made it. Your conversations stayed behind.

Which of today's chains is the MSN Messenger of 2035?

ABOUT SPIKO

Regulated funds, on-chain

Tokenized funds

Regulated and supervised in the EU

5+ EVM chains

Plus Starknet, Stellar, Solana, and potentially many more

WHY WE CARE

Continuity

If a network halts or shuts down, we must keep operating.

Every chain needs an exit plan.

THE PROBLEM

Leaving a chain: two problems

State

Known playbook

Who owns what, right now

Snapshot, bridge or re-mint on the new chain.

History

Open question

Who owned what, when, and why

Every mint, transfer and burn. No standard way to move it.

WHY IT MATTERS

Why carry history over?

01

Philosophy

History written on-chain should stay on-chain, wherever the chain goes.

02

Regulation

A fund register must stay auditable for years, even after its chain is gone.

DRAFT ERC · OPEN FOR FEEDBACK

Our proposal: ERC-8352

```
event EventArchived(
    uint256 indexed sourceChainId,
    bytes32 indexed sourceTxHash,
    address indexed sourceAddress,
    uint256 sourceLogIndex,
    uint256 sourceBlockNumber,
    uint256 version,
    bytes   payload
);
```

Identity

chain + tx hash + log index

Versions

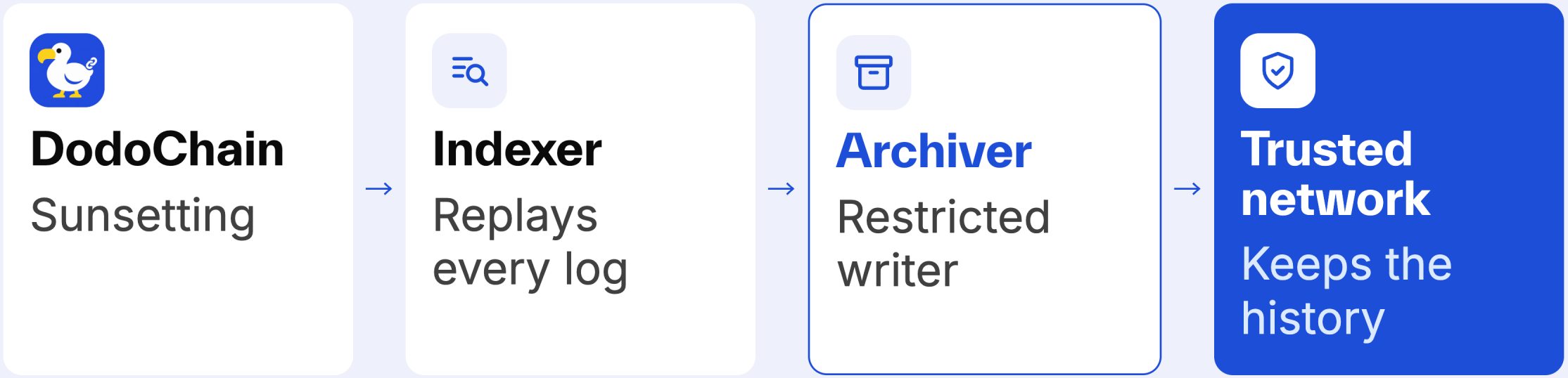
1 = original
+1 per amendment

Open writer

Bring your own access control

AT SPIKO

A permissioned Archiver



Every past event re-published in batches

Thank you



DISCUSS

ethereum-magicians.org · ERC-8352 thread

DRAFT ERC

github.com/ethereum/ERCs/pull/1914

REFERENCE IMPLEMENTATION

github.com/spiko-tech/erc-cross-chain-event-archive

Nicolas Assouad · Tech Lead, Spiko