

# Migratoor



Migrate to Scroll L2 with Zero Overhead.  
Empower Your Project with vLayer's  
Time Travel and Scroll's L1 State  
Reading Features, Make It Multichain  
With Chainlink CCIP.



# Problems we are solving

## L2 Migration Challenges

Many projects launched on Layer 1 (L1) aim to move to Layer 2 (L2) for improved user experience and additional features.

One approach is complete migration, abandoning multi-chain operations.

## No Standard Migration Mechanism

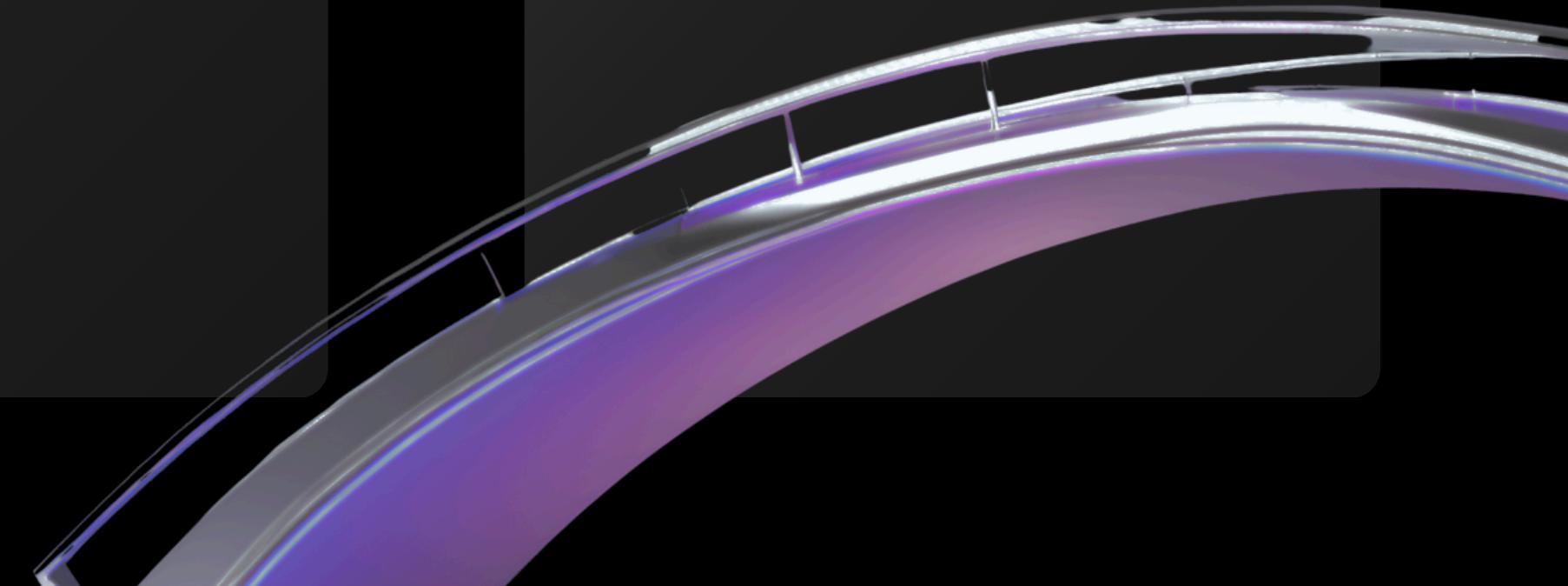
Migration currently requires projects to build their own solutions.

This creates a fragmented and non-seamless experience for users.

## Lack of User Alignment

Users often lack incentives to migrate.

Instead, they may sell tokens on L1, disrupting the migration process.



# Solution

- We have developed a universal trustless protocol that simplifies migration for any project, offering flexibility and ease of use.



# Key Features

## Flexible Rewards Options

- **Snapshot-based migration:** Seamless and precise.
- **Time-Averaged Balance migration:** Ensures fair and balanced transitions.

## Customizable Time Ranges

Tailor the timing of snapshots to fit project-specific needs.

## User Incentivization Strategies

- **Time-based rewards:** Encourage users to act within specific timeframes.
- **Protocol loyalty bonuses:** Reward users for long-term commitment.
- **Early migration incentives:** Motivate early adopters with exclusive benefits.



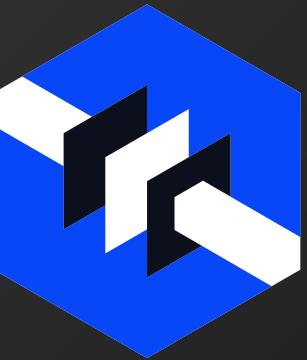
# How Did We Achieve This?



## vLayer's Time Travel Technology

Enables retrieval of historical data, particularly user balances.

Eliminates centralization risks (e.g., relayers) by leveraging: zk-Proof Soundness and Completeness: Secured through zkEVM.



## Cross-chain integration using CCIP

Decentralized interoperability solution for migrated token exposure to the broad DeFi ecosystem



## Scroll's Innovative L1SLOAD Precompile

Provides direct access to L1 storage for verifying that users have locked tokens on L1.

The background features several abstract, semi-transparent 3D geometric shapes in shades of blue, pink, and yellow, scattered across the dark purple surface.

Dive deeper  
into solution

# Project



Deploys L2-native token



Calls **Migratooor deployer**  
(deploys migrator infrastructure with  
chosen parametrization)



Escrows tokens for users rewards in Migratooor

# User



Locks L1 tokens



Generates zk-Proof of  
average balance



Uses Proof to Claim Tokens with  
Potential Bonuses on **Scroll**



# Features



Community Goods  
Infrastructural  
Protocol



Seamless UX for  
protocol and users



Incentive  
mechanism



Secured protocol by  
ZK proofs



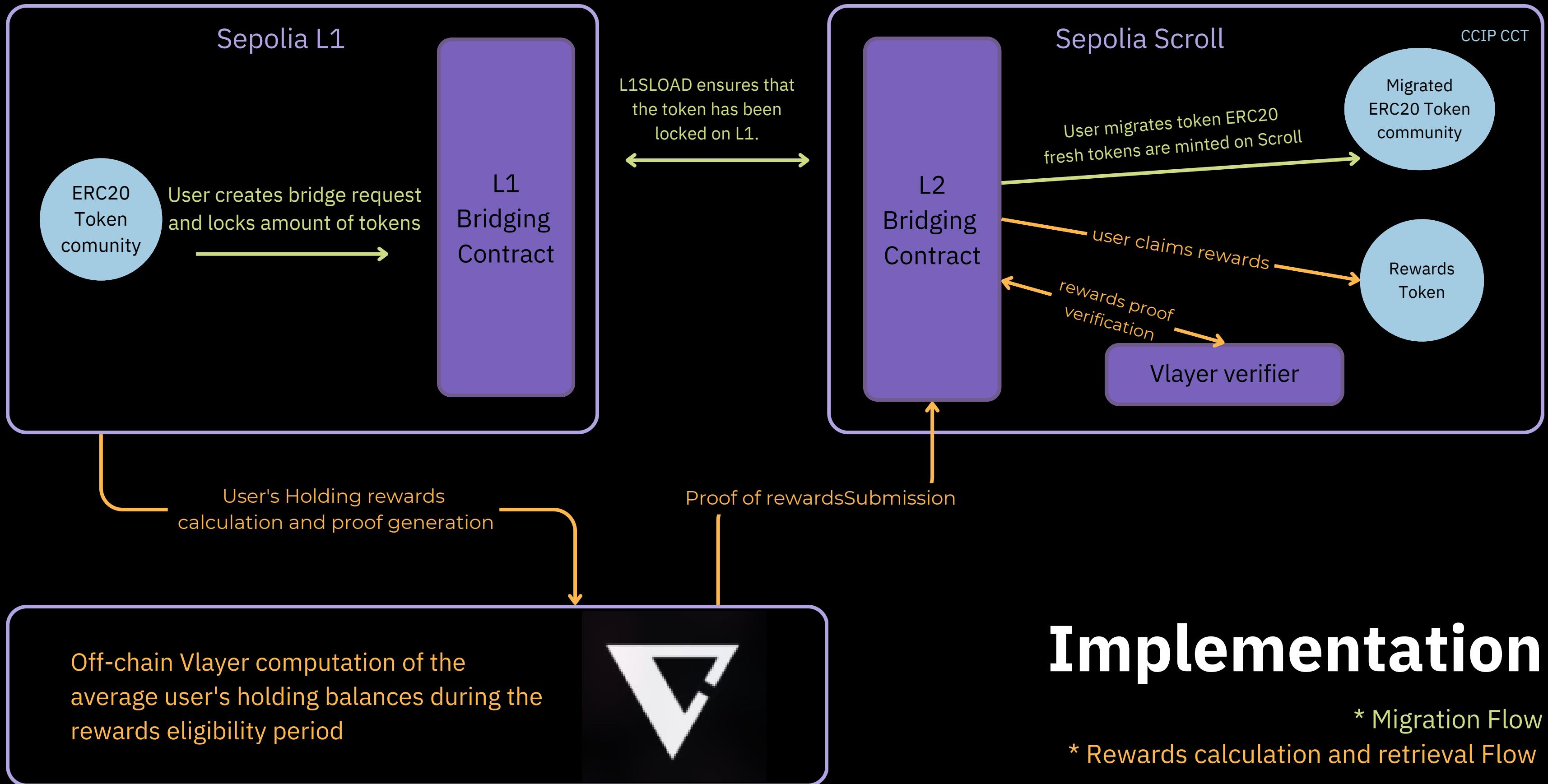
Scroll Tech-stack  
advantages!



Out of the box inter-chain  
L2-native token thanks to  
CCIP integration



# **Roll-up centric roadmap**



# Implementation

\* Migration Flow

\* Rewards calculation and retrieval Flow

# A little bit more about Rewards

Rewards can be distributed in the same migrated token, rebasing the total supply in favor of long-term holders.

Protocol owners should lock the rewards token into the bridge before starting the claiming period. The amount of rewards per reward-unit is calculated as:

$\text{TotalRewardsTokenLocked} / \text{TotalRewardsUnitsGenerated}$

# Thank you!

See you on the winners stage