

Overview

Following [the proposal](#) for CSM

and SDVTM Tier 0 & Tier 1 Integration

, we are submitting this grant proposal to extend the integration to Tier 2 & Tier 3

for the Community Staking Module (CSM)

. A separate proposal for SDVTM integration will follow at a later stage.

We aim to further integrate Lido's Community Staking Modules (CSM)

into Stereum

, our Ethereum node setup and management tool. This extension builds on the groundwork of Tier 0 & Tier 1 integration

, making CSM node operation more accessible, user-friendly, and easier to monitor and manage.

Objectives

The objective of the grant is to meet the outlined requirements for Tier 2

and Tier 3

- Tier 2 Requirements:

Operator Manager This tier incorporates on-chain interactions, allowing actions such as adding a new node operator, uploading keys, claiming rewards, and setting up a dedicated manager and reward addresses, without requiring a graphical user interface.

- Tier 3 Requirements:

Full-featured Operator UI Building on the previous tiers, Tier 3 adds visual features suitable for a graphical interface, including lifecycle graphs for node operators, such as earnings, performance, and events, along with the ability to compare node operator stats with averages.

Proposed Features

1. Custom Installation Options

- Provide flexible installation workflows, allowing users to incorporate Lido staking services

across diverse infrastructure setups.

2. CSM Monitoring and Management Enhancements

- Extend the CSM Monitoring Dashboard

within Stereum's control page to include: * Lifecycle Graphs

: Visualize earnings, performance metrics, and event logs

- Required Bond Visualizations

: Track required and current bond amounts for key uploads

- Rewards Visualization

: Display claimable rewards

- Node Operator Comparison

: Compare individual statistics with platform averages (if data is available)

- Lifecycle Graphs

: Visualize earnings, performance metrics, and event logs

- Required Bond Visualizations

: Track required and current bond amounts for key uploads

- Rewards Visualization

: Display claimable rewards

- Node Operator Comparison

: Compare individual statistics with platform averages (if data is available)

3. Wallet Integration

& UI for On-chain Interactions

Enable intuitive graphical user interfaces for:

- Wallet connection within Stereum for on-chain interactions.
- Adding new node operators
- Uploading validator keys
- Claiming rewards
- Configuring manager

and reward addresses

4. Ongoing Maintenance and Support

- Provide continued updates, compatibility assurance with future Stereum and Lido releases, and dedicated user guidance & support.

Budget and Implementation Plan

We request a EUR 97 240 grant

from the Lido DAO

to fund the following project phases over the next 6 months:

1. Implementation

: Develop and integrate proposed features fulfilling requirements for Tier 2 and Tier 3

1. Testing & QA

: Thoroughly test on-chain interactions, UI components, and monitoring tools

1. Delivery

: Provide documentation, user guides, and support channels

Payment

: 50% upfront and 50% when finished.

Payments provided to:

0x3C3FF4C9d4390b6000743e0E00d8506e6566d96d

Impact

This integration will:

- Advance decentralization and accessibility for Lido's staking services
- Simplify complex node operations through an intuitive interface, aiming for an all-steps-in-one-place full integration.
- Enhance monitoring and management capabilities for operators

We are excited to contribute to this next milestone in Lido's vision for decentralized staking. Together, we can empower

more node operators to participate, creating a robust and accessible staking ecosystem.

Thank you for considering our proposal. We look forward to further collaboration with the Lido DAO to decentralize and improve Ethereum staking operations.