BACKGROUND

Stereum is an open-source Ethereum node setup tool with a comprehensive feature set:

- *A user-friendly UI with multiple installation options.*
- *One-click installation with preset selections to simplify the setup process for users.*
- *Custom installation allows users to select services independently for advanced configurations.*
- *Client diversity, offering a choice of 5 consensus clients and 5 execution clients.*
- *A UI for configuring, monitoring, and maintaining the Ethereum node, including Grafana dashboards and basic OS management.*
- *Support for multiple node configurations on the same machine.*
- *Support for Checkpoint Sync and Genesis Sync methods.*
- *A companion mobile app, the "Stereum Node Monitor," for real-time notifications and monitoring.*
- *Client and network switching capabilities for flexibility.*

PROPOSAL SUMMARY

We propose to integrate the upcoming Lido Community Staking Module and Lido Simple DVT into Stereum, a graphical user interface that simplifies the setup and management of Ethereum nodes. This enhancement will make it easier for users to set up nodes and improve accessibility to Lido's services. The proposal also includes adapting the Stereum Node Setup & Manager UI to accommodate Lido Community Staking-specific management requirements.
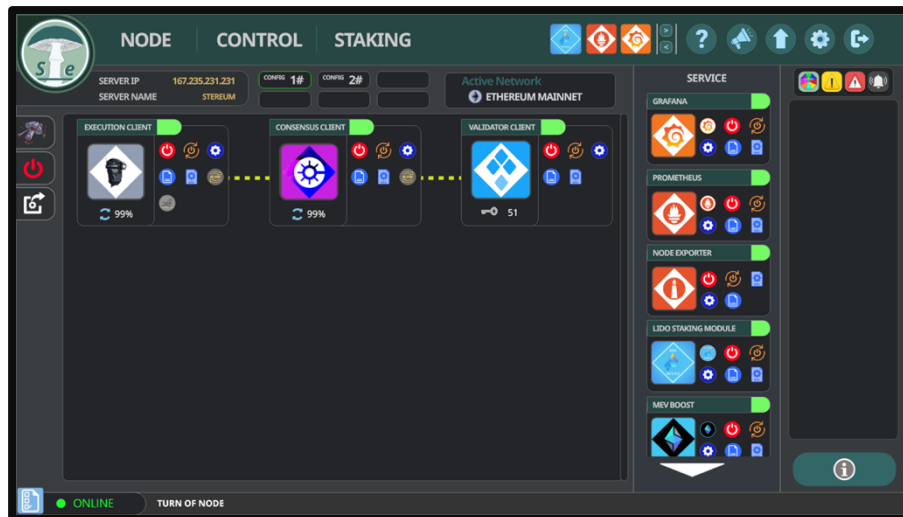
Milestone 1: Lido Simple DVT Modules - Node Setup & Service & Node Management

- One-Click Installation options in Stereum to also include DVT modules utilizing SSV Networks & Obols implementations, reducing their node setup to a few clicks.

- Connect MEV Boost & fill in required relays when service demands it.

- Develop a UI in Stereum that abstracts Lido Simple DVT Modules management options offered by the respective solution (f.e. Import Operator, Remove Operator for Migration, etc.).
- Integrate required & build on available monitoring based on the available solutions offered by the respective DVT solution.
- Implement Lido Simple DVT specific in-app alerts and notifications using the respective DVT solutions tooling, where it can be offered & adds value.
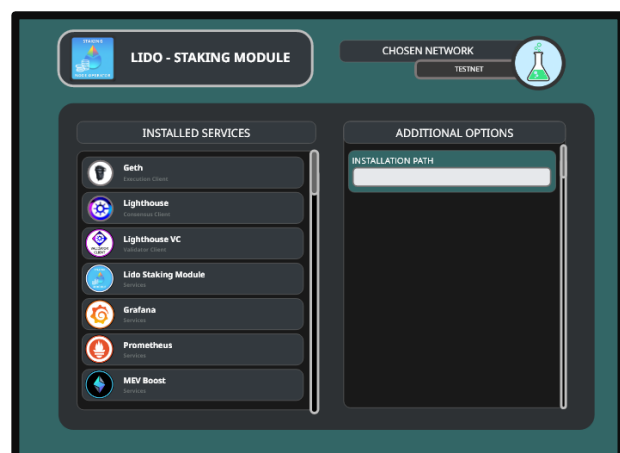- Wallet Connection & basic operator interactions.

Milestone 2: Lido Community Staking Module Node Setup & Service & Node Management with Simple DVT

- Introduce a Lido Community Staking One-Click Installation option in Stereum, reducing node setup to a few clicks.
- Include a Lido Community Staking Module Custom Installation with Simple DVT option, enabling users to integrate the Lido Community Staking Operator service into existing or more complex infrastructure configurations.
- Connect MEV Boost & fill in required relays when service demands it.

- Integrate required & build on available monitoring (f.e. Operator Info Control dashboard component with a link to the respective operator page).
- Update Validator List to show Lido Key Status & show Bonding and Reward Information in a modal.
- Implement Lido Community Staking and DVT community Staking specific in-app alerts and notifications, where it can be offered & adds value (f.e.

Alerting of Penalties and Exit
requests).

Maintenance & Accessibility

With this multi-phased proposal (including research, specification, implementation, and testing), we, the Stereum team at RockLogic GmbH, formally request a grant from the Lido DAO. We aim to research and develop a Lido Simple DVT and Lido Community Staking Integration into Stereum that is accessible to everyone who wishes to participate in the program, delivers reliable performance and guarantees sovereign ownership.

On top of this we guarantee for at least 12 months after the finalization of this grant request to:

- *Offer support on Discord to Stereum users running a Lido Community Staking Operator.*
- *Ensure compatibility with future Stereum features and releases.*
- *Create written and video guides on using Lido Community Staking Operator.on YouTube and stereum.net.*
- *Adapt Stereum to new versions and features of Lido's Community Staking Operator.*

Estimated Time & Cost

Time Estimation:

- M1: Lido Simple DVT Modules - Node Setup & Service & Node Management – 8 weeks
- M2: Lido Community Staking Module Node Setup & Service & Node Management with Simple DVT – 16 weeks

Cost Estimation: EUR 52 500 for implementation.

- Payout of 50 % upfront
- 50 % when finished