



Stereum - Ethereum Node

In 3 Minutes - Like a Kindergeburtstag

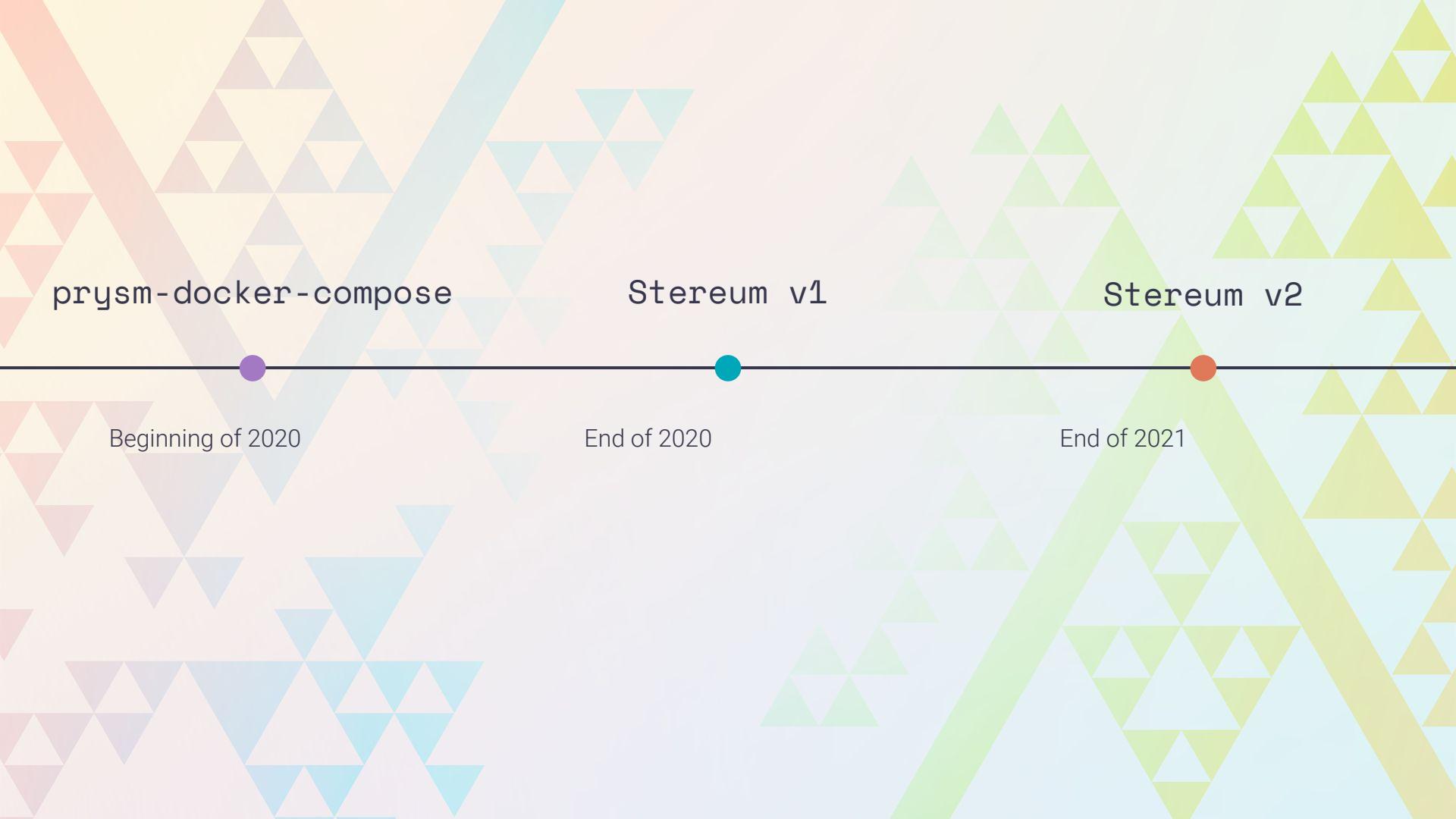
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RockLogic GmbH



What's Stereum?



One-stop solution to run an
Ethereum Node



prysm-docker-compose

Stereum v1

Stereum v2

Beginning of 2020

End of 2020

End of 2021



Setup

Prerequisite

CONNECT TO YOUR SERVER**Select your Server-Connection****SERVNAME****IP / HOSTNAME****USERNAME****PASSWORD****login**

CONNECT TO YOUR SERVER

stefan-test-a



SERVERNAME

stefan-test-a

IP / HOSTNAME

135.181.104.109

USERNAME

root

KEYLOCATION



/Users/stefan-test-a/.ssh/id_ecdsa

 USE SSH KEY

login

WELCOME

IN THIS STEP YOU CHOOSE HOW YOU WANT TO INSTALL YOUR NODE. IF YOU NEED ASSISTANCE WITH THE SETUP, JOIN OUR DISCORD - WE ARE HAPPY TO HELP YOU OUT



UBUNTU IS A SUPPORTED OS

ONE CLICK INSTALLATION

ON THIS PAGE YOU CAN CHOOSE WHAT YOU WANT TO DO WITH YOUR NODE. AFTER CHOOSING AND PRESSING START A RANDOM CLIENT SELECTION WILL BE TAKEN TO SERVE YOUR USE CASE

 TESTNET

STAKING



SSV NETWORK



OBOL SSV



ROCKETPOOL

BACK**INSTALL**

STAKING

OPTION

CHOSEN NETWORK

Testnet



INSTALLATION PATH

/opt/stereum

SYNCHRONISATION

◀ CHECKPOINT SYNC ▶

<https://25k3BmUzqnNHYB7o96FitSh>

PLUGINS



Nethermind

EXC



Teku

CSC



Teku

VLC



Prometheus

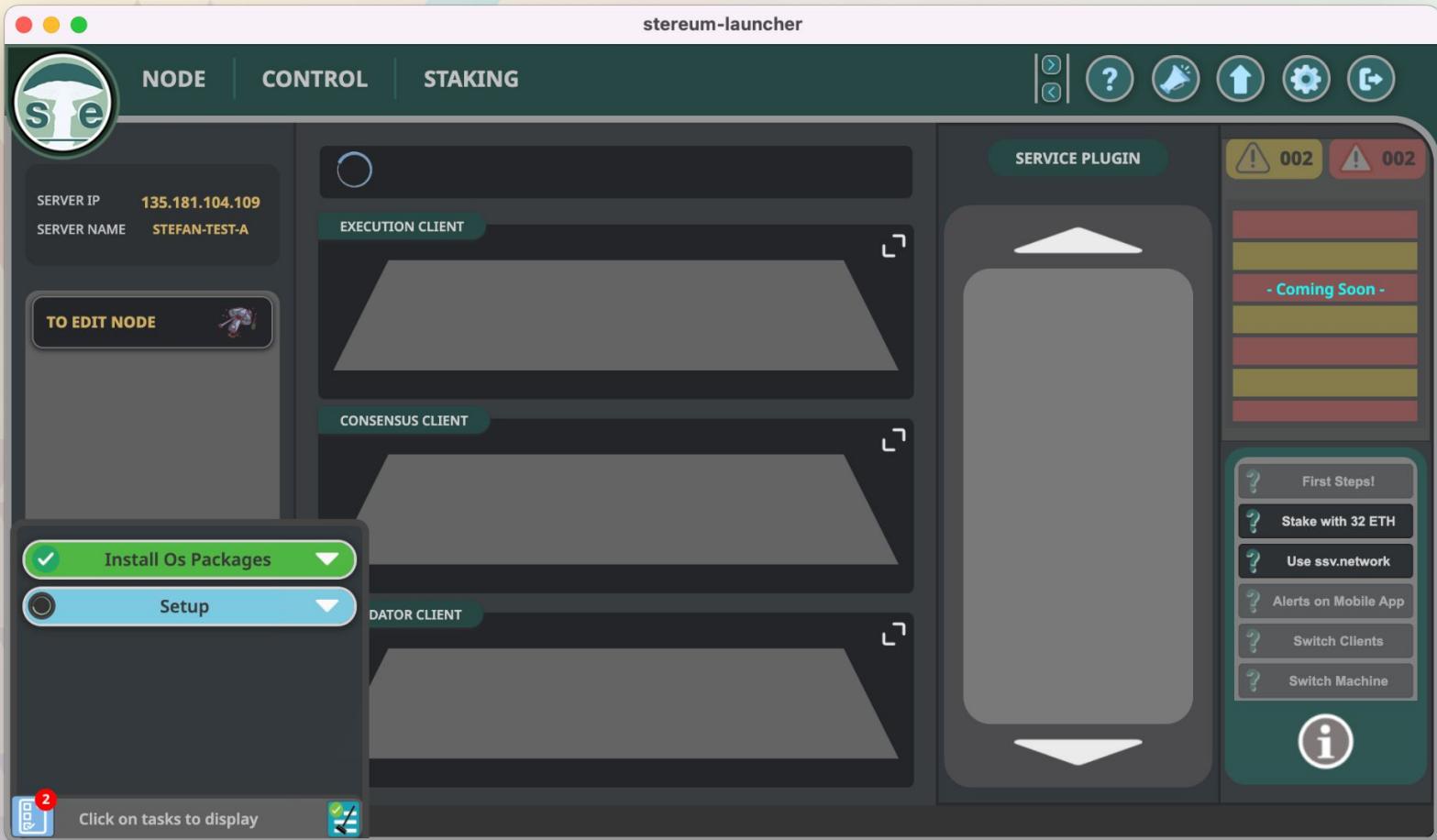
BACK

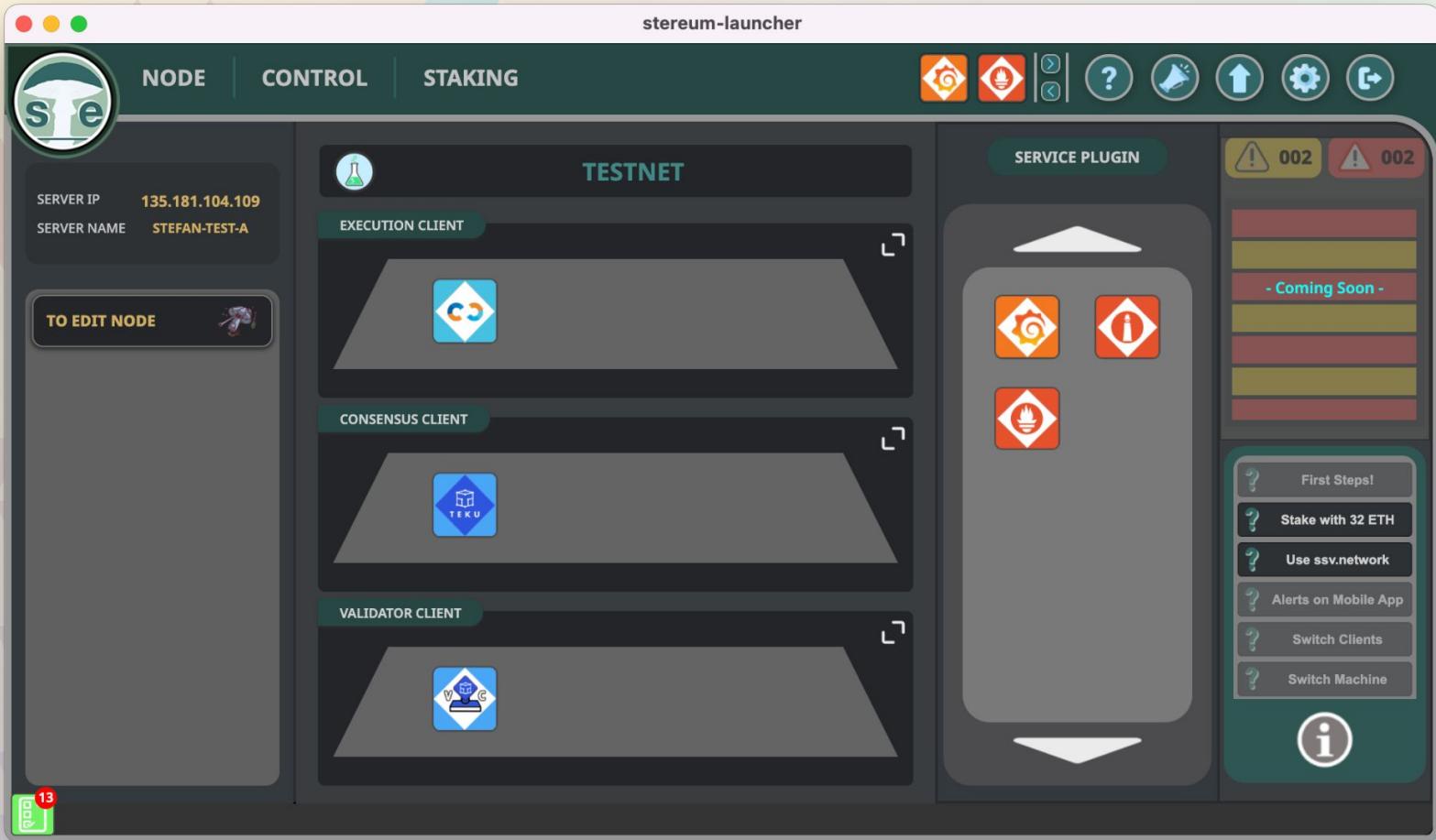
NEXT

VERIFY & INSTALL

NAME	CATEGORY	PATH
 Nethermind	EXECUTION	/opt/stereum/nethermind
 Teku	CONSENSUS	/opt/stereum/teku
 Teku	VALIDATOR	/opt/stereum/teku
 Prometheus	SERVICE	/opt/stereum/prometheus
 Grafana	SERVICE	/opt/stereum/grafana

[BACK](#)[NEXT](#)





stereum-launcher

NODE | CONTROL | STAKING

PLUG-INS

- Grafana service
- Teku consensus
- NodeExporter service
- Nethermind execution
- Prometheus service
- Teku validator

STEFAN-TEST-A

144 GB FREE / 156 GB TOTAL

HARD DISK

GRAFANA 2.1 MB TEKU 78 MB NETHERMIND 778 MB PROMETHEUS 116 kB

RPC-ENDPOINT OFF NETHERMIND - Coming Soon -

DATA-API OFF TEKU - Coming Soon -

ALERTS

SYSTEM LOAD WARNING HEAVY SYSTEM LOAD WARNING SYSTEM LOAD - Coming Soon -

Success Rate ms ms

- Coming Soon -

INCLUSION DISTANCE ACTIVE GEWI

RPC-ENDPOINT OFF NETHERMIND - Coming Soon -

DATA-API OFF TEKU - Coming Soon -

ALERTS

SYSTEM LOAD WARNING HEAVY SYSTEM LOAD WARNING SYSTEM LOAD - Coming Soon -

WRITE READ

26401.62 kb 4629.75 kb

DISK SPEED

Sync Status

TEKU 4069084 / 4069086 NETHERMIND 0 / 0

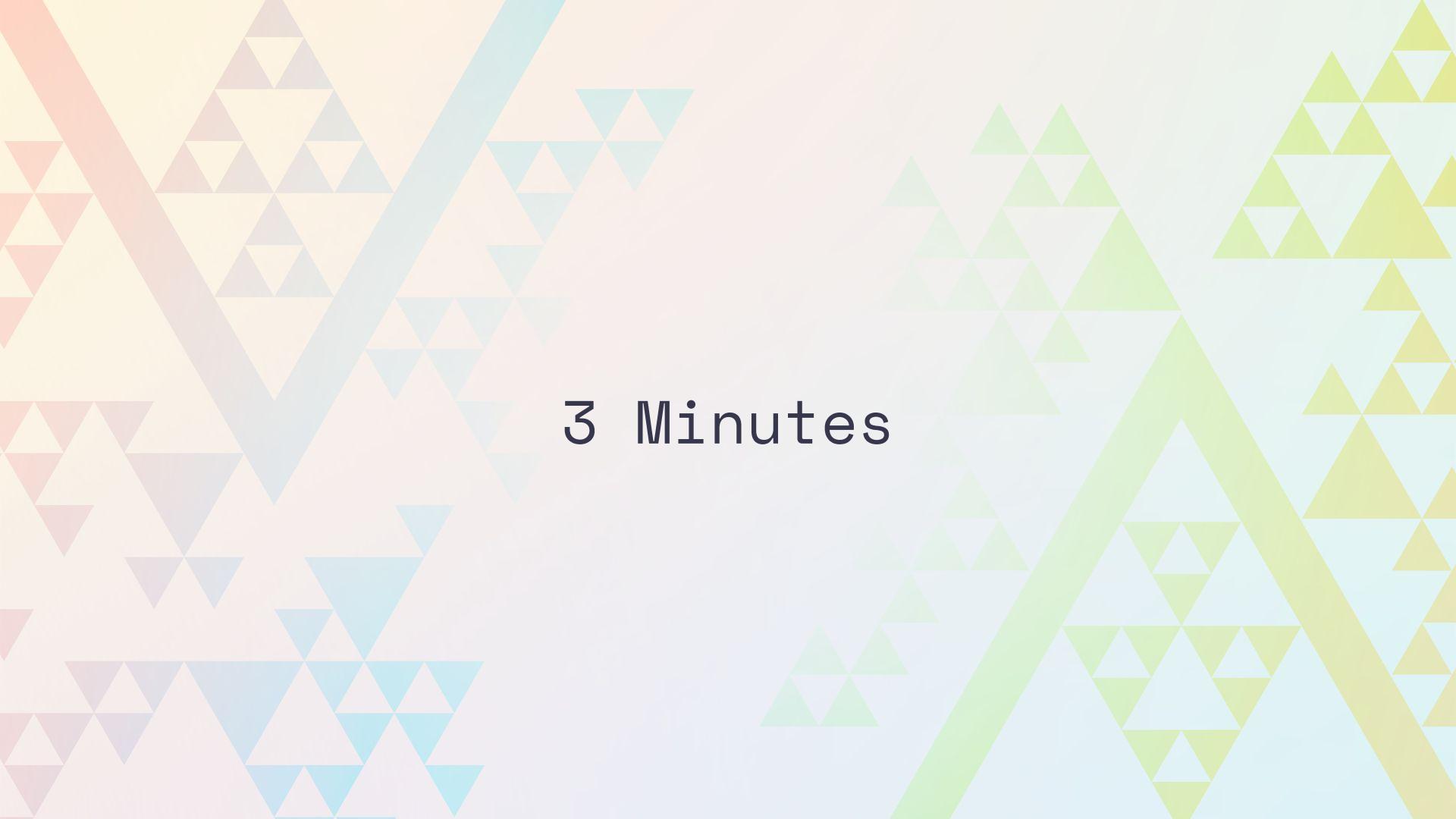
CPU Usage: 47.59 %

P2P TEKU NETHERMIND

RAM 6117 / 8136 MB used total

13

The screenshot displays the stereum-launcher application window. At the top, there are three tabs: NODE, CONTROL, and STAKING. Below the tabs is a header bar with several icons: a circular logo, two orange diamond icons, a question mark, a bell, an upward arrow, a gear, and a refresh symbol. The main content area is divided into several sections. On the left, a large green rounded rectangle contains a list of 'PLUG-INS' with their status (green for active, red for off) and control buttons. A small red notification bubble with the number '13' is visible at the bottom left of this section. The central part of the screen is titled 'STEFAN-TEST-A' and contains various performance metrics and status indicators. These include: '144 GB FREE / 156 GB TOTAL' for Hard Disk; 'GRAFANA 2.1 MB', 'TEKU 78 MB', 'NETHERMIND 778 MB', and 'PROMETHEUS 116 kB' for Storage; 'WRITE 26401.62 kb' and 'READ 4629.75 kb' for Disk Speed; 'Sync Status' showing 'TEKU 4069084 / 4069086' and 'NETHERMIND 0 / 0'; 'CPU Usage: 47.59 %'; 'P2P' status showing 'TEKU' and 'NETHERMIND' both at 7; and 'RAM' usage showing '6117 / 8136 MB' (used / total). The right side of the screen features several 'Coming Soon' placeholder cards for metrics like Success Rate, Response Time, Inclusion Distance, and Alerts, which are currently inactive.



3 Minutes



Staking

stereum-launcher

NODE | CONTROL | STAKING

PUBLIC KEY SERVICE ACTIVE SINCE STATE BALANCE OPTIONS

Coming Soon

CLICK OR DRAG TO INSERT KEY

14

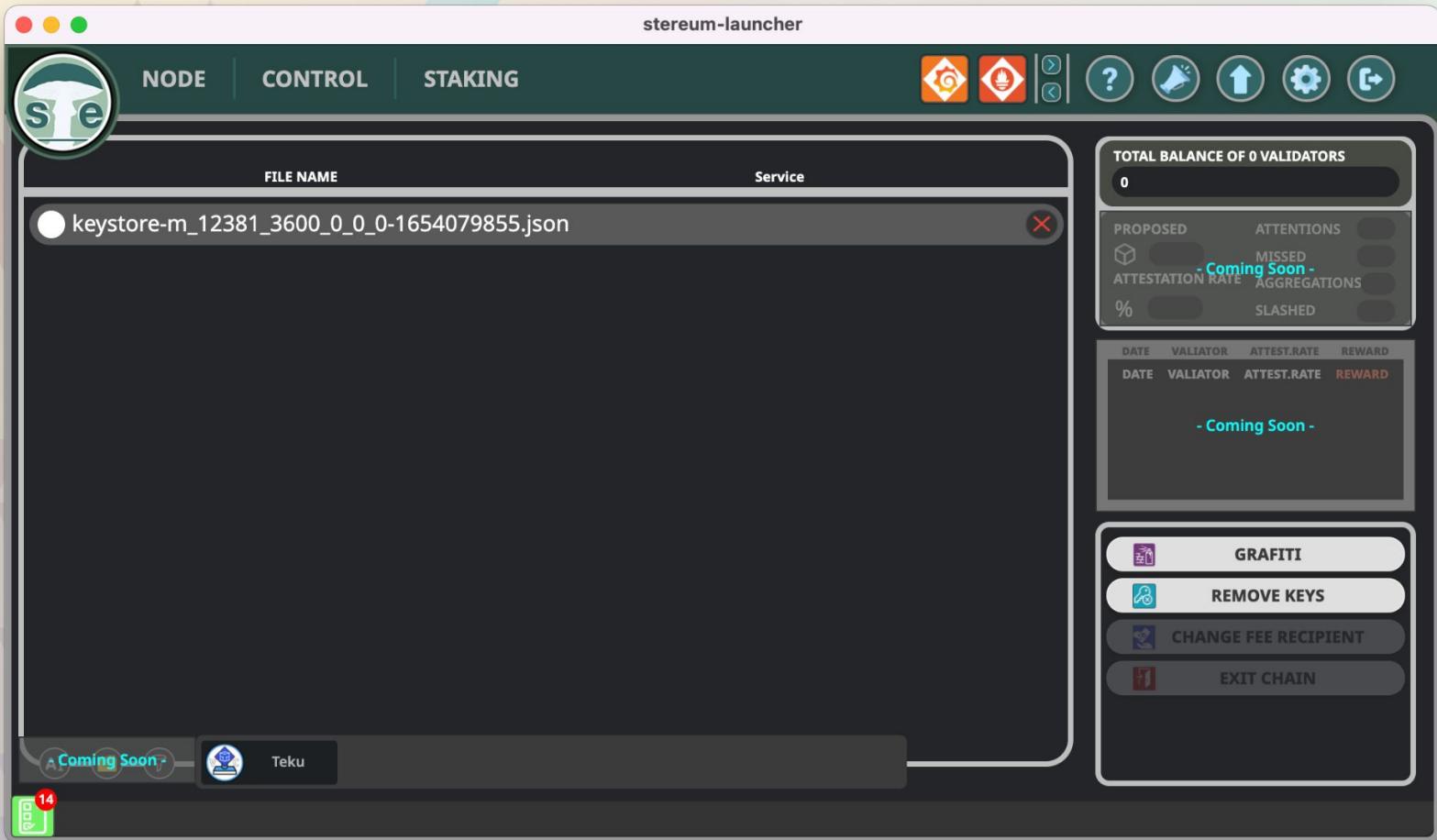
TOTAL BALANCE OF 0 VALIDATORS
0

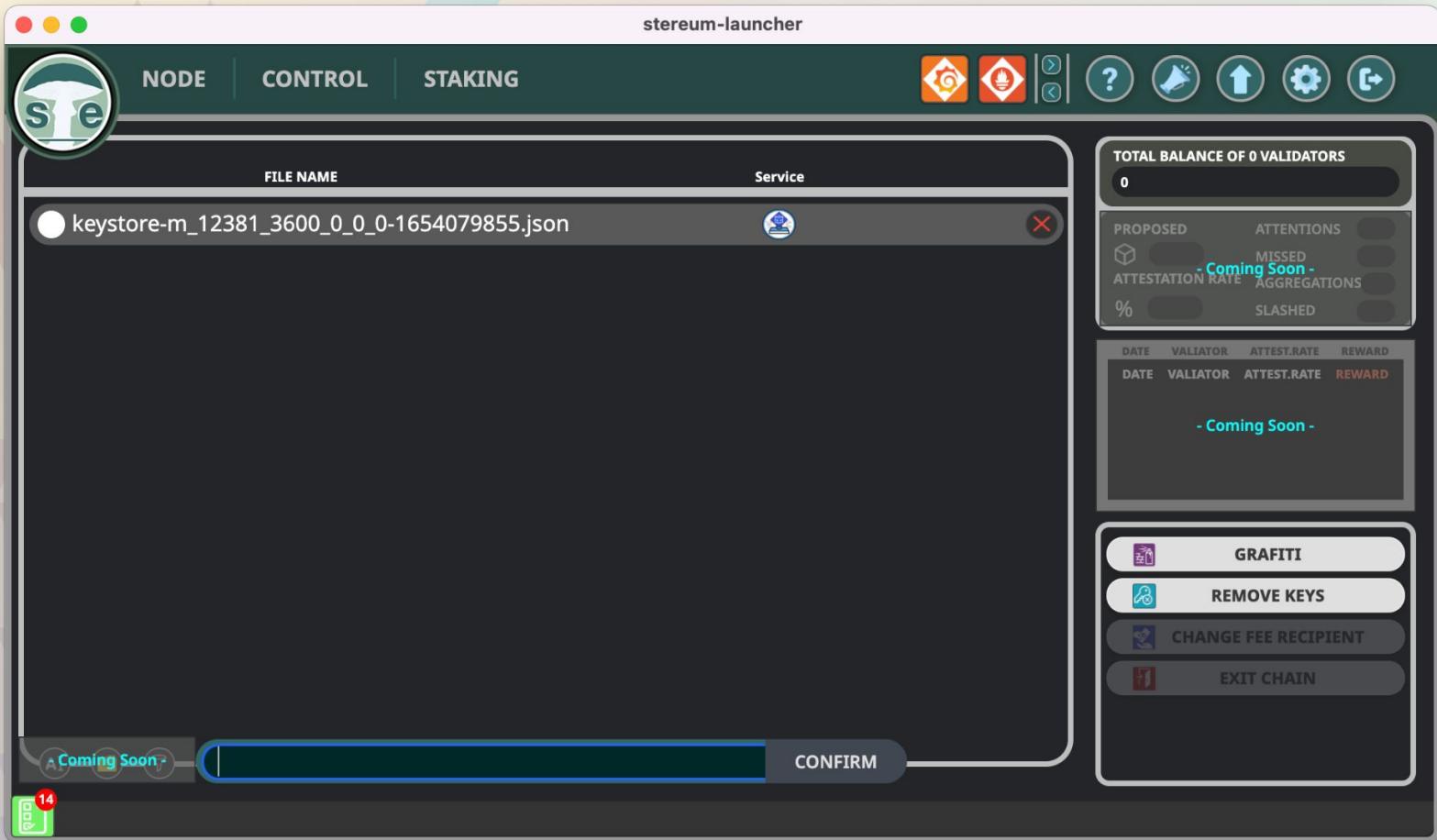
PROPOSED ATTENTIONS MISSED - Coming Soon - ATTESTATION RATE AGGREGATIONS
% SLASHED

DATE VALIDATOR ATTEST.RATE REWARD
DATE VALIDATOR ATTEST.RATE REWARD
- Coming Soon -

GRAFITI REMOVE KEYS CHANGE FEE RECIPIENT EXIT CHAIN

The screenshot displays the stereum-launcher application's user interface. At the top, there are three tabs: NODE, CONTROL, and STAKING, with STAKING being the active tab. Below the tabs is a header bar featuring the stereum logo, two small orange diamond icons, and several circular icons for help, notifications, and system controls. The main content area has a dark background. In the center, there is a table with columns labeled PUBLIC KEY, SERVICE, ACTIVE SINCE, STATE, BALANCE, and OPTIONS. A large, semi-transparent black overlay covers most of the central area, with the text "Coming Soon" appearing twice. At the bottom of this overlay is a button labeled "CLICK OR DRAG TO INSERT KEY" next to a key icon. To the right of the main content area, there is a sidebar with sections for TOTAL BALANCE OF 0 VALIDATORS (showing 0), PROPOSED ATTENTIONS MISSED (with a note "- Coming Soon -"), ATTESTATION RATE AGGREGATIONS, and SLASHED. Below this is a table with columns DATE, VALIDATOR, ATTEST.RATE, and REWARD, also noting "- Coming Soon -". The sidebar continues with four buttons: GRAFITI (purple icon), REMOVE KEYS (blue icon), CHANGE FEE RECIPIENT (green icon), and EXIT CHAIN (red icon). A small notification badge with the number 14 is located in the bottom-left corner of the sidebar.





stereum-launcher

NODE | CONTROL | STAKING

PUBLIC KEY SERVICE ACTIVE SINCE STATE BALANCE OPTIONS

IMPORTING VALIDATOR KEY(S)

It may take some times
Please wait until the key is imported

- Coming Soon -

TOTAL BALANCE OF 0 VALIDATORS
0

PROPOSED ATTTESTATION MISSIED AGGREGATIONS
- Coming Soon - SLASHED

DATE VALIDATOR ATTEST.RATE REWARD

DATE VALIDATOR ATTEST.RATE REWARD
- Coming Soon -

GRAFITI REMOVE KEYS
CHANGE FEE RECIPIENT EXIT CHAIN

15

stereum-launcher

NODE | CONTROL | STAKING

PUBLIC KEY SERVICE ACTIVE SINCE STATE BALANCE OPTIONS

IMPORTING VALIDATOR KEY(S)

It may take some times
Please wait until the key is imported

- Coming Soon -

TOTAL BALANCE OF 0 VALIDATORS
0

PROPOSED ATTTESTATION MISSIED AGGREGATIONS
- Coming Soon - SLASHED

DATE VALIDATOR ATTEST.RATE REWARD

DATE VALIDATOR ATTEST.RATE REWARD
- Coming Soon -

GRAFITI REMOVE KEYS
CHANGE FEE RECIPIENT EXIT CHAIN

15

stereum-launcher

NODE | CONTROL | STAKING

PUBLIC KEY SERVICE ACTIVE SINCE STATE BALANCE OPTIONS

0x9970b73b768064aa62...bb644c

32.307332714

PROPOSED ATTENTIONS MISSED ATTESTATION RATE AGGREGATIONS SLASHED

- Coming Soon -

DATE VALIDATOR ATTEST.RATE REWARD

- Coming Soon -

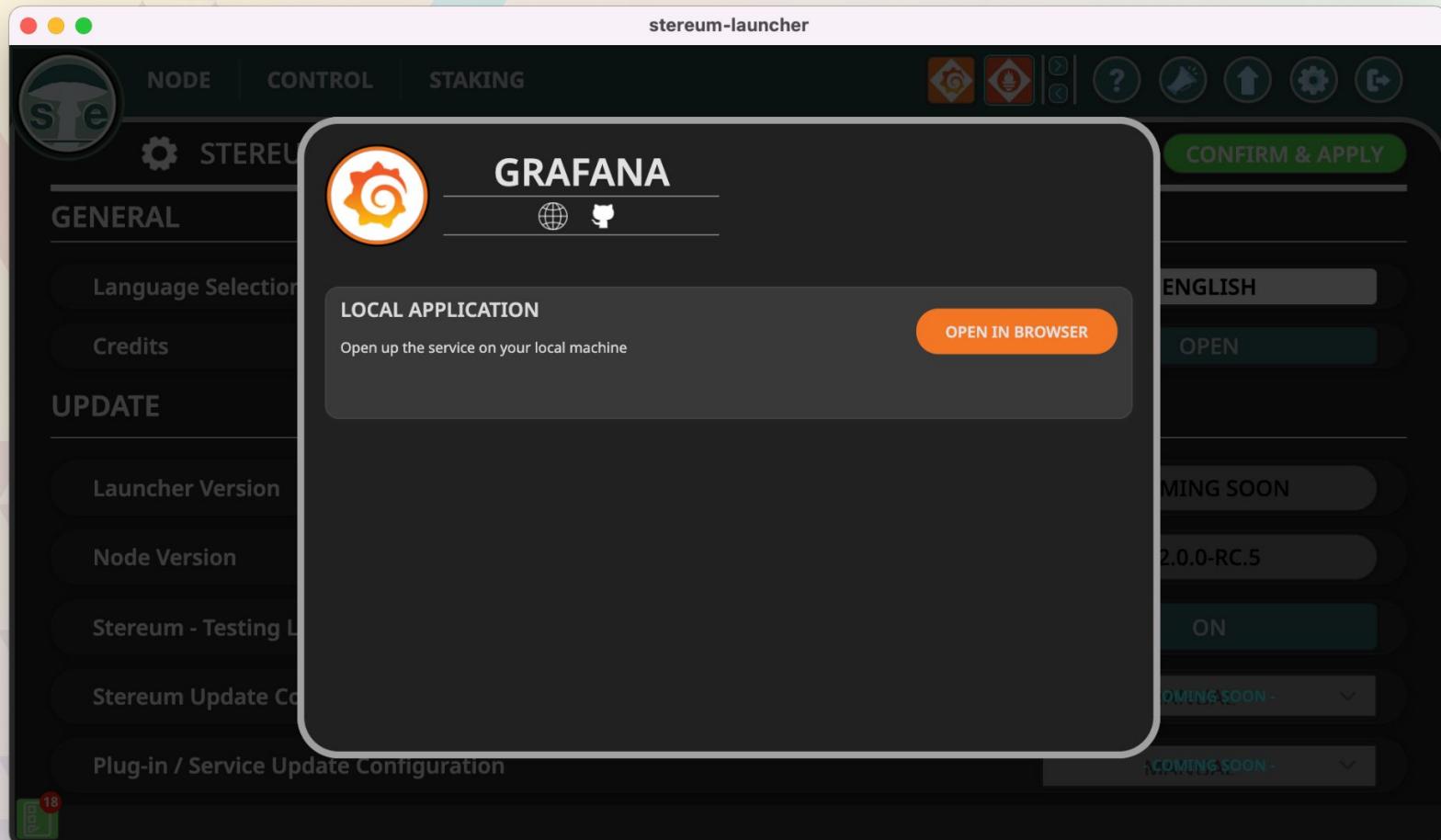
GRAFITI REMOVE KEYS CHANGE FEE RECIPIENT EXIT CHAIN

CLICK OR DRAG TO INSERT KEY

Coming Soon

18

The screenshot shows the stereum-launcher application window. At the top, there are three tabs: NODE, CONTROL, and STAKING. Below the tabs is a header bar with several icons: a circular logo with 'STE' and a gear, two orange diamond-shaped icons, a question mark, a bell, an upward arrow, a gear, and a refresh symbol. To the right of the header is a section titled 'TOTAL BALANCE OF 1 VALIDATORS' showing a balance of 32.307332714. This section includes tabs for PROPOSED, ATTENTIONS, MISSED, ATTESTATION RATE, AGGREGATIONS, and SLASHED, with the ATTENTIONS tab currently active, displaying the message '- Coming Soon -'. Below this is another section with tabs for DATE, VALIDATOR, ATTEST.RATE, and REWARD, also showing '- Coming Soon -'. On the right side of the window, there is a vertical stack of four buttons labeled GRAFITI, REMOVE KEYS, CHANGE FEE RECIPIENT, and EXIT CHAIN. At the bottom left, there is a small notification bubble with the number 18. A large button at the bottom center says 'CLICK OR DRAG TO INSERT KEY' with a key icon.





Configure & Customize



stereum-launcher

NODE | CONTROL | STAKING

PUBLIC KEY SERVICE ACTIVE SINCE STATE BALANCE OPTIONS

0x9970b73b768064aa62...bb644c 🛡 - 🚒 32.307332714 📋 🔍

Coming Soon ⏱

CLICK OR DRAG TO INSERT KEY 🔑

18

LAUNCHER UPDATES

CURRENT: 2.0.0-RC.5

NODE UPDATES

CURRENT: 2.0.0-RC.5

LATEST: 2.0.0-RC.5

AUTO-UPDATE: OFF

searching new updates

SERVICE UPDATES

Updates for the installed selection of PLUG-INS

AVAILABLE PLUG-IN UPDATES

AUTO-UPDATE: OFF

UPDATE ALL 🔍

stereum-launcher

NODE | CONTROL | STAKING

STEREUM SETTING

CONFIRM & APPLY

GENERAL

Language Selection: ENGLISH (UK flag)

Credits: OPEN

UPDATE

Launcher Version: COMING SOON

Node Version: 2.0.0-RC.5

Stereum - Testing Lane: ON

Stereum Update Configuration: COMING SOON

Plug-in / Service Update Configuration: COMING SOON

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What's next?

stereum-launcher

NODE | CONTROL | STAKING

LIGHTHOUSE
VALIDATOR CLIENT

INSTALLATION PATH
`/opt/stereum`

PORT USED
9000

CONSENSUS CLIENT
TEKU

CANCEL ADD

TESTNET

EXECUTION CLIENT

TEKU

VALIDATOR CLIENT

VCG

VCG

Service Plugin

CHANG

Filter...

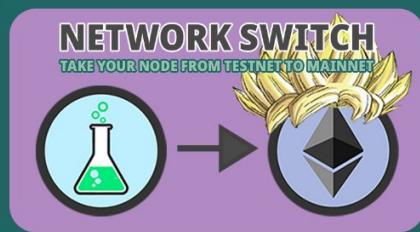
18

The image shows the stereum-launcher application window. At the top, there are three tabs: NODE, CONTROL, and STAKING. Below the tabs, on the left, is a section for 'LIGHTHOUSE VALIDATOR CLIENT' with fields for 'INSTALLATION PATH' set to '/opt/stereum' and 'PORT USED' set to 9000. Under 'CONSENSUS CLIENT', it says 'TEKU'. At the bottom left are 'CANCEL' and 'ADD' buttons, with a small red notification badge showing '18' on the 'ADD' button. The main area is titled 'TESTNET' and contains three sections: 'EXECUTION CLIENT' (with a TEKU icon), 'CONSENSUS CLIENT' (with a TEKU icon), and 'VALIDATOR CLIENT' (with two VCG icons). On the right side, there's a 'Service Plugin' section with several icons representing different services, and a vertical sidebar with more icons and a 'Filter...' search bar.

WHAT'S NEXT:



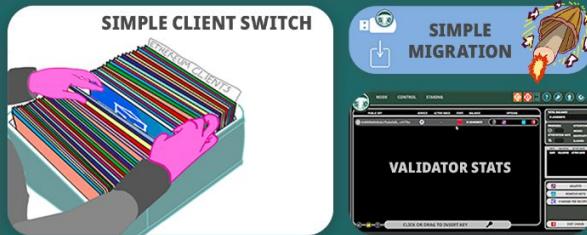
NODE INSTALLATION IN LESS THAN 5 MINUTES!



ADDITIONAL SLASHING PROTECTION
UTILIZING MULTIPLE CHECKS



AUTO UPDATE
 OPTION





Stereum.net

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