

Lighthouse: Introduction to Siren

Mavrik

Software Engineer, Sigma Prime

Lighthouse Welcomes all #Newbies and #Noobs



rd4n3l 05/09/2022 8:30 AM

Super noob, I was just trying to follow whatever documentation is out there. Any better recommendations for an easier update?



tummes 04/13/2023 12:10 AM

Ok, I'm heading into BLS To Execution Change as a total noob to CLI. luck. One question, though: Ligh 4.0.1 is ready for this, right? (edit)



TOP_CROC_420 01/18/2021 3:29 AM

Hi all - apologies for another noob question, but what do I put in my `lighthousebeacon.service` file to sync to

ereum ?



Message could not be loaded

watchthesuit • evermorecrypto

12/01/2020 1:11 PM

Oh. Is my Noob showing? 😅



Infer 08/30/2022 1:04 AM

will try this tomorrow !

But it was for doing a guide for people more noob than me 😅

And I made my screenshot with the laptop, so it's fine btw ^^



junkjam 06/28/2020 10:15 PM

Noob graffiti question. I added graffiti to my `validator_definitions.yml`. When I restart my validator client, it got stuck at Info Metrics HTTP server started. No other logs were generated. I have since removed the graffiti and it's working as expected, but would like to add it in the future. Any advice is appreciated.



netzlvl 11/16/2020 1:54 AM

Hey friends, definitely a staking noob here. Followed all of Somer's guide for using ubuntu and lighthouse. I thought I had the validator running just fine but ran `journalctl -f -u lighthousevalidator.service` again and now getting "The `validator_definitions.yml` file does not contain either of the following fields for..... - `voting_keystore_password` or - `voting_keystore_password_path`



Thang 05/04/2023 3:38 AM

Hi guys, I have a very noob problem. I am a validator and I need to request a voluntary exit. The problem is that in order to broadcast that exit request, I need access to a beacon node. My beacon node was down for a few months.

What is Siren?



lefterisjp | rotki 03/31/2023 4:46 PM

wait what is siren? Lighthouse has a UI? Lol wtf TIL. Need to check it out  (edited)

LOL 1



**LIGHTHOUSE**EXECUTION ENGINE
SYNCED —
2,685,195 / 2,686,735BEACON CHAIN
SYNCED —
2,918,398 / 2,918,398NETWORK
HOLESKY

Connect Wallet



Hello Mavrik,

Siren Version
v2.0.0-rc1Lighthouse Version
Beacon — V5.2.1-9e12c21
Validator — V5.2.1-9e12c21

...

Account

Balance ⓘ

0.069 ETH

Choose Currency
USD

Current Rate

\$2,689.23 USD/ETH

Total Balance

\$185.81 USD

Earnings

Hourly

Daily

Weekly

Monthly

Total

ETH ⓘ
0.0691 ETHUSD ⓘ
\$185.81 USDAnnualized ⓘ
1.47%

Validator Balance

10



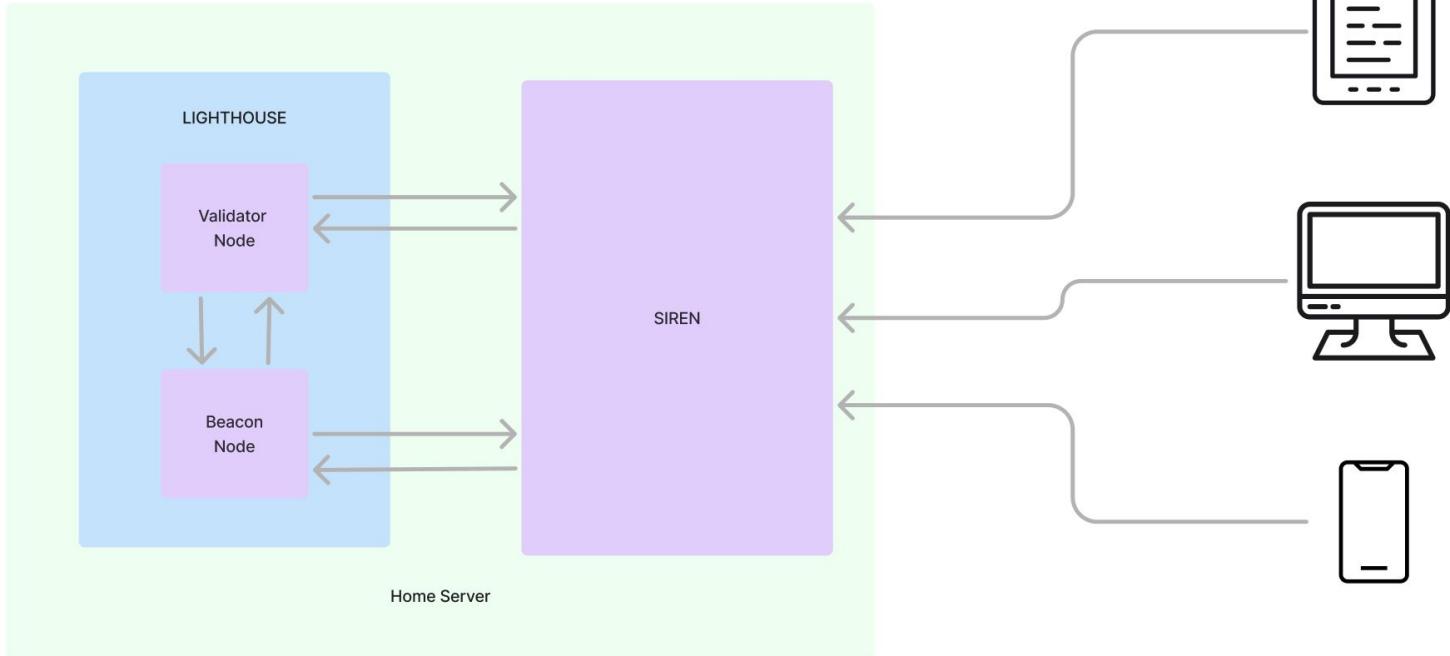
SIREN

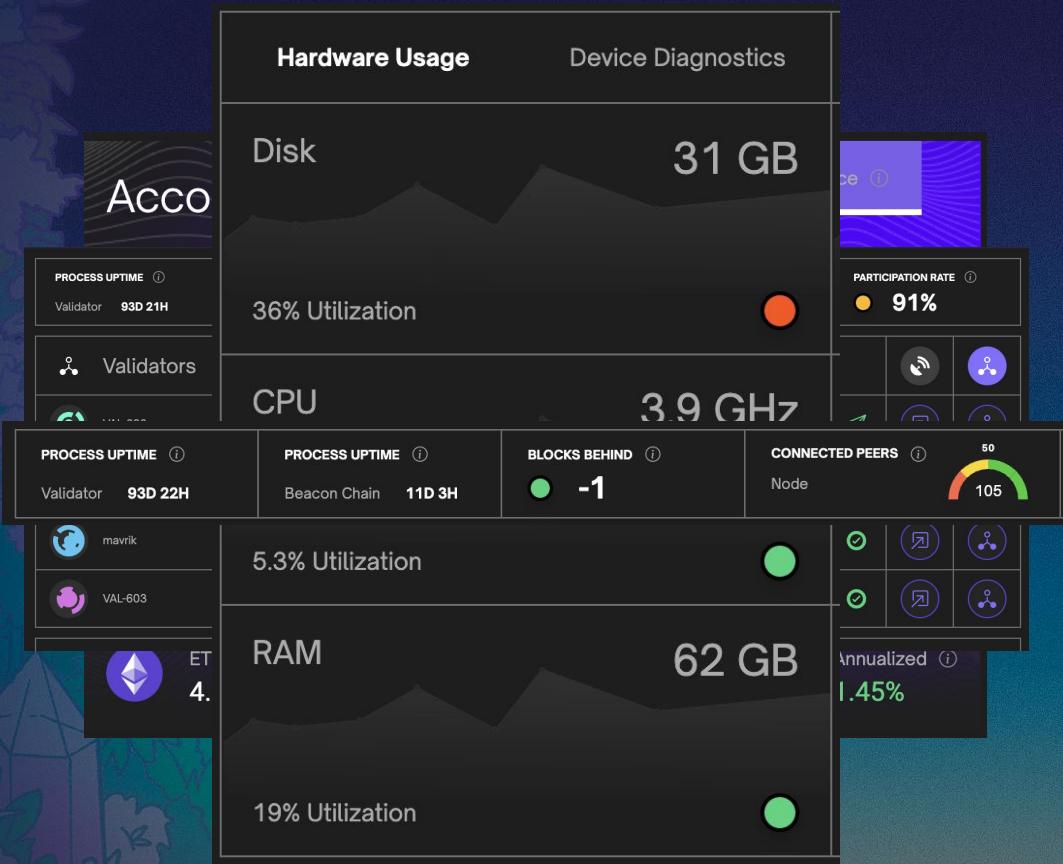
PROCESS UPTIME ⓘ	PROCESS UPTIME ⓘ	BLOCKS BEHIND ⓘ	CONNECTED PEERS ⓘ	Participation Rate ⓘ
Validator 57D 7H	Beacon Chain 57D 7H	0	Node 104	93%

Validators	17	PUBKEY	BALANCE	REWARDS	PH	AT	AG	STATUS	Call	Nodes
VAL-850	1735850	0x950c...be9e	32.0049	0.0049	-	-	-	Active Ongoing	Green	Gray
VAL-851	1735851	0xa148...781f	32.0050	0.0050	-	-	-	Active Ongoing	Green	Gray
VAL-624	1792624	0xabfc...d9f3	32.0047	0.0047	-	-	-	Active Ongoing	Green	Gray
VAL-711	1794711	0x8f28...f7cf	32.0047	0.0047	-	-	-	Active Ongoing	Green	Gray

Hardware Usage	Device Diagnostics	Logs	View All	Alerts
Disk	404 GB	Critical	0 / HR	
59% Utilization		Critical	0 / HR	
CPU	2.5 GHz	Errors	0 / HR	
1.2% Utilization		Validator Logs	0 / HR	
RAM	63 GB	Warnings	0 / HR	
15% Utilization		Validator Logs	0 / HR	

Health Check
Uptime 57D 7H
POOR, Nodes Synced... 





Key Monitoring Features

Track VC/BN Sync Status

Total Validator Rewards Breakdown

Aggregated Validator Statuses, Rewards, and Balances

Track Hardware Usage and Statistics

Review Uptimes, Peer Connections, Block Status

Logs View All Alerts

LIGHTHOUSE EXECUTION ENGINE BEACON CHAIN NETWORK

SYNCED SYNCED SYNCED

0.000 0.000 / 2.895.589 0.000 0.000 / 2.827.869 0.000 0.000 / 2.827.869

HOLESKY

Unable to read spec from beacon

Connect Wallet

Lighthouse Logs

SERVICE Validator

AUTO-REFRESH

Search Logs

Validator

Critical 0 / HR

Critical

Errors 4 / HR

Validator Logs

Warnings 4 / HR

Validator Logs

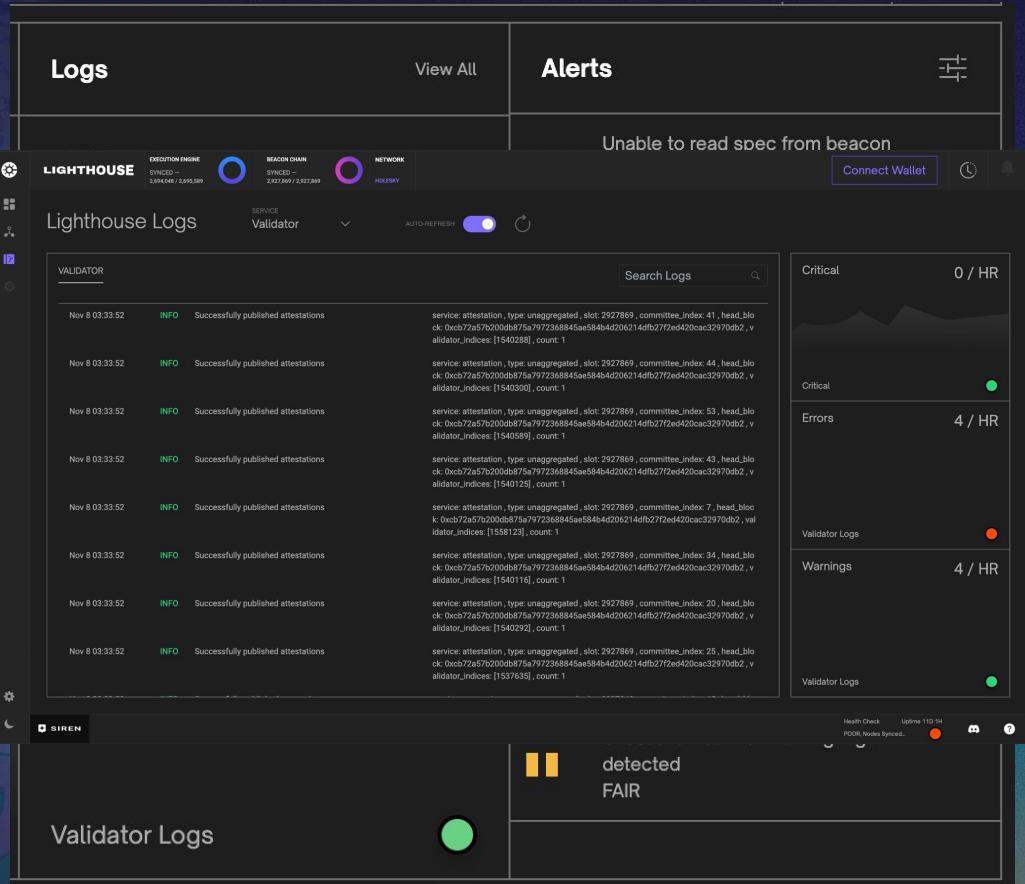
SIREN

detected FAIR

Validator Logs

Health Check Uptime 11D 1H

POOR Nodes Synced



Key Monitoring Features

Get Critical Log Alerts and Statistics

Watch and Search through logs in real time

< Exit Validator

ETH RATE
USD \$2,908.41

VALIDATOR
Balance 32.01

TOTAL INCOME
Total ^ 0.0083 ETH

mavrik
[View on BeaconCha.in](#)

VALIDATOR MANAGEMENT ---

⚠ This action is irreversible and will cause your validator to get locked in to exited state pending withdrawal without the ability to start validator again. This action may take time, kindly wait until the validator status reflects the changes.
[Learn more about validator states in various phases here.](#)

I understand and Accept

VIEW IMPORTANT DISCLOSURES

Exit Validator

Key Validator Actions

Update Validator Graffiti

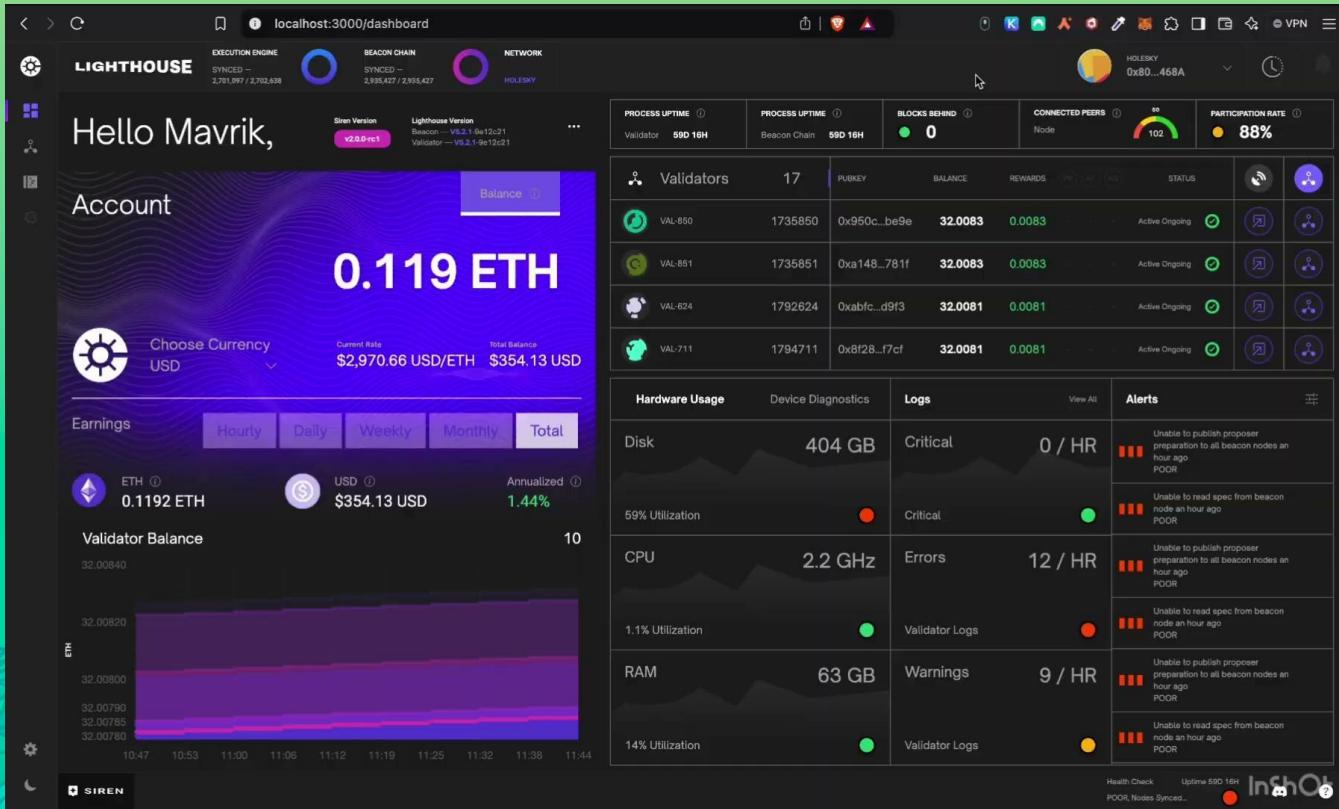
Execute BLS Change

Withdraw your Validator



What's next for Siren?

Coming soon: Add New Validators



Coming soon: Consolidate Validators (EIP-7251)

The screenshot shows the Lighthouse Ethereum Mainnet dashboard with the 'Consolidate' feature highlighted. The top navigation bar includes tabs for Lighthouse, Ethereum Mainnet (Syncing), Beacon Chain (Syncing), and Slasher (Live). The main header displays the Mainnet status as 'Connected' with address 0xAddress. The dashboard shows 4 active validators with a total balance of 128.325 ETH and a total income of 0.0268 ETH per day. The average effectiveness is 100%, and there are 136,847 network validators in the queue.

Available Validators
Select the validators you'd like to merge. Chosen validators will be consolidated into your target validator for a streamlined staking experience.

Primary Validator
Your selected validators will be merged into this primary validator for a streamlined staking structure.

List of validators

- Validator Name | 10355

Primary Validator

Custom Validator Name
0x32Be3...2D88
10355

Merge Validators

SIREN

Health Check Uptime: 2h 41m
Good, Nodes Syncing.

Join Our Discord!





Adrian Manning



Mavrik



Aqueel



Antondlr



Enialo Leon



Jimmy Chen



Tyler Paterson