Reward distribution bot

Introduction

Permissionless reward distribution bot for Lido staking modules. Operates with smart contract based on theNode Operator Registry smart contract. After theAccounting Oracle completes the third phase, anyone can initiate reward distribution to allocate rewards among Node Operators in the Staking Module, unless the oracle sends the next frame report.

Requirements

Hardware

- 1-core CPU
- 2GB RAM

Nodes

- Execution Node (can be an RPC)

How to use

Every epoch daemon checks the staking modules provided in environment. If a module has a non-distributed rewards, the bot pulls the trigger and distributes rewards between Node Operators inside this module.

Basically bot is watchingRewardDistributionState of module. If module hasReadyForDistribution state, bot triggersdistributeReward method to distribute rewards.

Envs

Required variables are:

- WEB3_RPC_ENDPOINTS - list of EL rpc endpoints separated by,
- . All except the first rpc will serve as fallback options.
- NODE_OPERATOR_REGISTRY_ADDRESSES - List of staking modules that can accept rewards distribution. All addresses could be foundhere
- .
- WALLET_PRIVATE_KEY - Wallet private key that will send such transactions. Do not provide to run bot in DRY mode (do not send transaction).

Optional variables can be foundhere .

Running

Source Code

1. Clone repository and install requirements:

git clone git@github.com:lidofinance/nor-reward-distribution-bot.git cd nor-reward-distribution-bot 1. Install requirements

poetry install 1. Run distributor bot

poetry run python src/main.py

Docker

Docker image could be foundhere .

Monitoring

Prometheus metrics will be available on endpointhttp://localhost:{PROMETHEUS_PORT}/metrics .

Alertssource code for AlertManager. Edit this page Previous Keys API Next Lido depositor bot