Keys API

Simple Lido keys and validators HTTP API.

Requirements

1. 2 core CPU
2. 5 GB RAM* Keys-API-DB — 500MB
3.
   - Keys-API — 4GB
4. EL Full node
5. CL node for applications like the Ejector that use the validators API
6. . For Teku, please use the archive mode. Nimbus is currently not supported.

Environment Variables

An annotated env sample is available in the repository:

https://github.com/lidofinance/lido-keys-api/blob/main/sample.env

How to Run

For runningKeys Api , please use a stable version's image hash available here .

Below you can find a docker-compose example for running the service with a database.

https://github.com/lidofinance/lido-keys-api/blob/main/docker-compose.yml

To run using docker-compose:

docker-compose up Now you can access the API onhttp://localhost:{PORT}/api .

Monitoring

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

You can find configs and dashboards for running Prometheus and Grafana locally in the repositoryGrafana ,Prometheus .

Example of adocker-compose.yml with metrics setup:

https://github.com/lidofinance/lido-keys-api/blob/main/docker-compose.metrics.yml

Additional Resources

Keys API GitHub Repository (Open Source)https://github.com/lidofinance/lido-keys-api

API and internal logic documentationhttps://hackmd.io/@lido/B1aCdW6Lo Edit this page Previous Validator Ejector Next Multisig deployment