

# 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 running Keys 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 on `http://localhost:{PORT}/api` .

## Monitoring

Prometheus metrics will be available on endpoint `http://localhost:{PORT}/metrics` .

You can find configs and dashboards for running Prometheus and Grafana locally in the repository [Grafana](#) , [Prometheus](#) .

Example of a `docker-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 documentation <https://hackmd.io/@lido/B1aCdW6Lo> [Edit this page](#) [Previous Validator Ejector Next Multisig deployment](#)