

In general, client diversity and specifically validator client diversity is an important aspect of [decentralization and resilience of the Ethereum network](#), and a lot of work has been conducted by various teams to attempt to depict the current situation of the network, including: [stereum's client diversity watch](#), Michael Sproul's [fingerprinting work](#), Miga Labs' great insights [based on their network crawler](#), and ChainSafe's [nodewatch](#).

As both a part of our [commitment to decentralization](#), as well as our efforts to [identify and minimize risk related to validator operators](#), Lido is happy to publish its first node and validator metrics report. Lido has set out to:

- (a) identify its current node and validator client footprint on the network, and
- (b) together with our NOs and the community, align on targets and steps to achieve these targets in the medium term (6-12 months).

Aside from goals related to client diversity, we will work towards making the data gathering and reporting process more robust, and are looking for community feedback & support to:

- Expand our reporting to other networks that Lido is present on (e.g. Terra, Solana)
- Expand the reported metrics based on what the greater community finds useful
- Improve the data gathering process and increase the frequency of data reporting
- Make data more easily available

If you have any input on any of the above, you're welcome to share either here or on our Discord!

As of Q3, 2022, we created the [Lido VaNOM app](#), which will be kept up to date on a quarterly basis, but stand-alone reports will also be made available and appended below.

[Lido Finance – 13 Dec 22](#)

[**Lido on Ethereum 'VaNOM' - Validator & Node Operator Metrics**](#)

As part of our commitment to decentralization as well as efforts to identify and minimize risks related to validator operators, we are pleased to present VaNOM - node and validator metrics reports for Lido on Ethereum.

Lido Ethereum Node and Validator Metrics Q4 '21

The report was assembled based on point in time data gathered from Lido Ethereum Node Operators during October 2021. The data was self-submitted by the Node Operators.

[drive.google.com](#)

[**Lido Ethereum Validator Metrics - Q4 2021.pdf**](#)

Google Drive file.

Lido Ethereum Node and Validator Metrics Q1 '22

The report was assembled based on point in time data gathered from Lido Ethereum Node Operators during March 2022. The data was self-submitted by the Node Operators.

[drive.google.com](#)

[**Lido Ethereum Validator Metrics - Q1 2022.pdf**](#)

Google Drive file.

Lido Ethereum Node and Validator Metrics Q2 '22

The report was assembled based on point in time data gathered from Lido Ethereum Node Operators during July 2022. The data was self-submitted by the Node Operators.

[drive.google.com](#)

[**Lido Ethereum Validator Metrics - Q2 2022.pdf**](#)

Google Drive file.

Lido Ethereum Node and Validator Metrics Q3 '22

The report was assembled based on point in time data gathered from Lido Ethereum Node Operators as of end of September 2022. The data was self-submitted by the Node Operators.

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Lido Ethereum Validator Metrics - Q3 2022.pdf

Google Drive file.

Lido Ethereum Node and Validator Metrics Q4 '22

The report was assembled based on point in time data gathered from Lido Ethereum Node Operators as of end of December 2022. The data was self-submitted by the Node Operators.

View live version at [VaNOM app](#).

drive.google.com

Lido Ethereum Validator Metrics - Q4 2022.pdf

Google Drive file.