

Prometheus Metrics Specification

The table below defines metrics which may be captured by AVS Nodes which expose metrics to Prometheus. AVSs may expose additional metrics however these should not use the `eigen_` prefix.

Economics metrics

Name Metric Type Definition Labels `eigen_registered_stakes` Gauge Operator stakes in AVS registry contract. Most commonly represents a weighted combination of delegated shares in the `DelegationManager` `EigenLayer` contract. `quorum_number`, `quorum_name` note A definition of a strategy contract can be found in [Key Terms](#). tip The `quorum_name` label of the `eigen_registered_stakes` metric is optional and can be omitted.

Performance metrics

Name Metric Type Definition Labels `eigen_performance_score` Gauge The performance metric is a score between 0 and 100 and each developer can define their own way of calculating the score. The score is calculated based on the performance of the AVS Node and the performance of the backing services.

RPC metrics

Name Metric Type Definition Labels `eigen_rpc_request_duration_seconds` Histogram Duration of json-rpc in seconds from Ethereum Execution client method, `client_version` `eigen_rpc_request_total` Counter Total of json-rpc requests from Ethereum Execution client method, `client_version`

Notation examples

- `eigen_registered_stakes{quorum_number=0, quorum_name="ethLST"}`
- `eigen_performance_score{}`
- `eigen_rpc_request_duration_seconds{method="eth_getBlockByNumber", client_version="nethermind/v1.17.2"}`
- `eigen_rpc_request_total{method="eth_getBlockByNumber", client_version="nethermind/v1.17.2"}` [Previous Metrics](#)
[Next Implementation reference](#)