

Setting up local Metrics infrastructure

Metrics Configuration

Nethermind metrics can be consumed by Prometheus/Grafana if configured in [Metrics configuration category](#).

Metrics infrastructure

Enabling Metrics in Nethermind

Metrics can be enabled by simply passing `--Metrics.Enabled true` argument to the Docker containers, `Nethermind.Runner` or `Nethermind.Launcher` e.g. `./Nethermind.Runner --Metrics.Enabled true`.

`Metrics.PushGatewayUrl` will need to be amended if pushgateway endpoint is not default.

Running sample configuration

- clone [metrics-infrastructure](#)
- repository

`git clone https://github.com/NethermindEth/metrics-infrastructure.git` 1. go to `metrics-infrastructure` 2. directory

`cd metrics-explanation-infrastructure` 1. run docker stack

`docker-compose up -d` * Prometheus * instance should be now running on <http://localhost:9090/> * Pushgateway * on <http://localhost:9091/> * Grafana on * <http://localhost:3000/> * ``

1. run the `Nethermind`
2. node with Metrics
3. enabled and you should see metrics inflowing on Pushgateway
4. [url](#)

info You can add nethermind service to the `docker-compose.yml` file so that it runs with the whole stack

`nethermind` : image : `nethermind/nethermind` container_name : `nethermind` restart : `unless - stopped` command :

`'--config goerli --Metrics.Enabled true'` network_mode : `host` volumes : - `./nethermind_db/` : `./nethermind/nethermind_db/` - `./keystore/` : `./nethermind/keystore/` - `./logs/` : `./nethermind/logs/` * `Runner` * `Launcher` * `Docker`

`./Nethermind.Runner --Metrics.Enabled`

`true ./Nethermind.Launcher --Metrics.Enabled`

`true docker run -it`

`--network`

`host nethermind/nethermind:alpine --Metrics.Enabled`

1. open Grafana
2. [url](#)
3. and login with default login (admin) and password (admin), skip
4. password change if you want
5. go to dashboards management <http://localhost:3000/dashboards>
6. and
7. click `Nethermind`
8. you can now explore metrics and monitor your Nethermind node

Useful Resources

- [Prometheus](#)
- [Pushgateway](#)
- [Grafana](#) [Edit this page](#) Last updated on Feb 17, 2024 [Previous dotnet-counters](#) [Next Health check](#)