Setting up local Metrics infrastructure

Metrics Configuration

Nethermind metrics can be consumed byPrometheus/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 orNethermind.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 tometrics-infrastructure 2. directory

cd metrics-explanation-infrastructure 1. run docker stack

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

1. run theNethermind
2. node withMetrics
3. enabled and you should see metrics inflowing onPushgateway
4. [url](#)

info You can add nethermind service to thedocker-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. openGrafana
2. [url](#)
3. and login with default login (admin) and password (admin), skip

4. password change if you want

5. go to dashboards managementhttp://localhost:3000/dashboards

6. and

7. clickNethermind

8. you can now explore metrics and monitor your Nethermind node

Useful Resources

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