Use metrics to monitor performance

Use the --metrics-enabled option to enable the Prometheus monitoring and alerting service to access EthSigner.

Install Prometheus

To use Prometheus with EthSigner, install the Prometheus main component . On MacOS, install with Homebrew :

brew install prometheus

Setting up and running Prometheus with EthSigner

To configure Prometheus to run with EthSigner:

1. Configure Prometheus to poll EthSigner. For example, add the following YAML fragment to the theprometheus.yml
2. file:
3. Example configuration
4. global
5. :
6. scrape_interval
7. :
8. 15s
9. scrape_configs
10. :
11. -
12. job_name
13. :
14. "prometheus"
15. static_configs
16. :
17. -
18. targets
19. :
20. [
21. "localhost:9090"
22.]
23. -
24. job_name
25. :
26. "ethsigner-prod"
27. scrape_timeout
28. :
29. 10s
30. metrics_path
31. :
32. /metrics
33. scheme
34. :
35. http
36. static_configs
37. :
38. -
39. targets
40. :
41. [
42. "localhost:9546"
43.]
44. note
45. Alternatively create your own YAML file and add the above example configuration.
46. Start EthSigner with the --metrics-enabled
47. option.
48. ethsigner --chain-id
49. =
50. 2018
51. \
52. --downstream-http-port
53. =

54. 8590
55. --metrics-enabled
56. =
57. true
58. \
59. file-based-signer --key-file
60. =
61. /Users/me/signer/keyFile --password-file
62. =
63. /Users/me/signer/passwordFile
64. TheJVM
65. , andPROCESS
66. metrics categories are enabled by default. Use the-metrics-category
67. command line option to update the available categories.
68. tip
69. To view the full list of available EthSigner metrics viewhttp://:/metrics
70. . By default this ishttp://localhost:9546/metrics
71. .
72. In another terminal, run Prometheus specifying theprometheus.yml
73. file:
74. prometheus --config.file
75. =
76. prometheus.yml
77. View thePrometheus graphical interface
78. .

View Prometheus graphical interface

1. Open a web browser tohttp://localhost:9090
2. to view the Prometheus graphical interface.
3. ChooseGraph
4. from the menu bar and click theConsole
5. tab below.
6. From theInsert metric at cursor
7. drop-down, select a metric and clickExecute
8. . The values display. Edit this page Last updatedonMar 30, 2023 byEric LinPrevious Configure TLS Next Create external signers