


```
ec2-user@ip-172-31-4-17:/etc/prometheus
.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.1
10.133, 185.199.111.133, 185.199.108.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.
110.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 95721304 (91M) [application/octet-stream]
Saving to: 'prometheus-2.47.0.linux-amd64.tar.gz'

prometheus-2.47.0.linux-amd64.tar.gz 100%[=====] 91.29M 35.0MB/s in 2.6s

2025-01-13 18:01:43 (35.0 MB/s) - 'prometheus-2.47.0.linux-amd64.tar.gz' saved [9572
1304/95721304]

[ec2-user@ip-172-31-4-17 ~]$ tar -xvf prometheus-2.47.0.linux-amd64.tar.gz
prometheus-2.47.0.linux-amd64/
prometheus-2.47.0.linux-amd64/console_libraries/
prometheus-2.47.0.linux-amd64/console_libraries/menu.lib
prometheus-2.47.0.linux-amd64/console_libraries/prom.lib
prometheus-2.47.0.linux-amd64/prometheus.yml
prometheus-2.47.0.linux-amd64/promtool
prometheus-2.47.0.linux-amd64/LICENSE
prometheus-2.47.0.linux-amd64/prometheus
prometheus-2.47.0.linux-amd64/NOTICE
prometheus-2.47.0.linux-amd64/conssoles/
prometheus-2.47.0.linux-amd64/conssoles/prometheus-overview.html
prometheus-2.47.0.linux-amd64/conssoles/node.html
prometheus-2.47.0.linux-amd64/conssoles/node-cpu.html
prometheus-2.47.0.linux-amd64/conssoles/index.html.example
prometheus-2.47.0.linux-amd64/conssoles/prometheus.html
prometheus-2.47.0.linux-amd64/conssoles/node-overview.html
prometheus-2.47.0.linux-amd64/conssoles/node-disk.html
[ec2-user@ip-172-31-4-17 ~]$ sudo mv prometheus-2.47.0.linux-amd64 /etc/prometheus
[ec2-user@ip-172-31-4-17 ~]$ sudo nano /etc/prometheus/prometheus.yml
[ec2-user@ip-172-31-4-17 ~]$ cd /etc/prometheus
[ec2-user@ip-172-31-4-17 prometheus]$ ./prometheus --config.file=prometheus.yml
ts=2025-01-13T18:07:09.244Z caller=main.go:487 level=error msg="Error loading config
(--config.file=prometheus.yml)" file=/etc/prometheus/prometheus.yml err="parsing YA
ML file prometheus.yml: yaml: line 30: did not find expected key"
[ec2-user@ip-172-31-4-17 prometheus]$ sudo nano /etc/prometheus/prometheus.yml
[ec2-user@ip-172-31-4-17 prometheus]$ sudo nano /etc/prometheus/prometheus.yml
[ec2-user@ip-172-31-4-17 prometheus]$ sudo kill prometheus
[ec2-user@ip-172-31-4-17 prometheus]$ cd /etc/prometheus
[ec2-user@ip-172-31-4-17 prometheus]$ ./prometheus --config.file=prometheus.yml &
[1] 2821
[ec2-user@ip-172-31-4-17 prometheus]$ ts=2025-01-13T18:11:28.916Z caller=main.go:539
level=info msg="No time or size retention was set so using the default time retenti
on" duration=15d
```

```
ec2-user@ip-172-31-4-17:/etc/prometheus
k memory mappable chunks replay completed" duration=18.927µs
ts=2025-01-13T18:11:28.922Z caller=head.go:689 level=info component=tsdb msg="Replay
ing WAL, this may take a while"
ts=2025-01-13T18:11:28.925Z caller=ts_config.go:274 level=info component=web msg="L
istening on" address=[::]:9090
ts=2025-01-13T18:11:28.925Z caller=ts_config.go:277 level=info component=web msg="T
LS is disabled." http2=false address=[::]:9090
ts=2025-01-13T18:11:28.925Z caller=head.go:760 level=info component=tsdb msg="WAL se
gment loaded" segment=0 maxSegment=0
ts=2025-01-13T18:11:28.926Z caller=head.go:797 level=info component=tsdb msg="WAL re
play completed" checkpoint_replay_duration=27.585µs wal_replay_duration=3.022869ms w
al_replay_duration=557ns total_replay_duration=3.201839ms
ts=2025-01-13T18:11:28.930Z caller=main.go:1045 level=info fs_type=XFS_SUPER_MAGIC
ts=2025-01-13T18:11:28.930Z caller=main.go:1048 level=info msg="TSDB started"
ts=2025-01-13T18:11:28.930Z caller=main.go:1229 level=info msg="Loading configuratio
n file" filename=prometheus.yml
ts=2025-01-13T18:11:28.934Z caller=main.go:1266 level=info msg="Completed loading of
configuration file" filename=prometheus.yml totalDuration=3.828098ms db_storage=1.5
73µs remote_storage=1.5µs web_handler=596ns query_engine=1.082µs scrape=3.533685ms s
crape_sd=37.066µs notify=23.707µs notify_sd=23.548µs rules=1.523µs tracing=4.043µs
ts=2025-01-13T18:11:28.934Z caller=main.go:1009 level=info msg="Server is ready to r
eceive web requests."
ts=2025-01-13T18:11:28.934Z caller=manager.go:1009 level=info component="rule manage
r" msg="Starting rule manager..."
^C
[ec2-user@ip-172-31-4-17 prometheus]$ ps aux | grep prometheus
ec2-user 2821 0.0 7.4 1316280 72544 pts/0 S 18:11 0:00 ./prometheus --co
nfig.file=prometheus.yml
ec2-user 2953 0.0 0.2 222316 2068 pts/0 S+ 18:14 0:00 grep --color=auto
prometheus
[ec2-user@ip-172-31-4-17 prometheus]$ wget https://github.com/prometheus/node_export
er/releases/download/v1.6.0/node_exporter-1.6.0.linux-amd64.tar.gz
--2025-01-13 18:15:24-- https://github.com/prometheus/node_exporter/releases/downlo
ad/v1.6.0/node_exporter-1.6.0.linux-amd64.tar.gz
Resolving github.com (github.com)... 20.207.73.82
Connecting to github.com (github.com)|20.207.73.82|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65
be/9524057/0596919f-7be9-4f77-88af-1bfc173d40c7?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-A
mz-Credential=releaseassetproduction%2F20250113%2Fus-east-1%2Fs3%2Faws4_request&X-Am
z-Date=20250113T181524Z&X-Amz-Expires=300&X-Amz-Signature=25de5df34660d7154026d5bf24
1039f78c97b971b5bd52a88d66ffa87c041e65&X-Amz-SignedHeaders=host&response-content-dis
position=attachment%3B%20filename%3Dnode_exporter-1.6.0.linux-amd64.tar.gz&response-
content-type=application%2Foctet-stream [following]
--2025-01-13 18:15:24-- https://objects.githubusercontent.com/github-production-rel
ease-asset-2e65be/9524057/0596919f-7be9-4f77-88af-1bfc173d40c7?X-Amz-Algorithm=AWS4-
HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250113%2Fus-east-1%2Fs3%2Faw
s4_request&X-Amz-Date=20250113T181524Z&X-Amz-Expires=300&X-Amz-Signature=25de5df3466
```

```
ec2-user@ip-172-31-4-17:/etc/prometheus$ curl -O https://github.com/prometheus/node_exporter/releases/download/v1.6.0/node_exporter-1.6.0-linux-amd64.tar.gz
09.133, 185.199.110.133, 185.199.111.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.109.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 10367009 (9.9M) [application/octet-stream]
Saving to: 'node_exporter-1.6.0-linux-amd64.tar.gz'

node_exporter-1.6.0. 100%[=====] 9.89M --.-KB/s in 0.09s

2025-01-13 18:15:25 (112 MB/s) - 'node_exporter-1.6.0-linux-amd64.tar.gz' saved [10367009/10367009]

[ec2-user@ip-172-31-4-17 prometheus]$ tar -xvf node_exporter-1.6.0-linux-amd64.tar.gz
node_exporter-1.6.0-linux-amd64/
node_exporter-1.6.0-linux-amd64/NOTICE
node_exporter-1.6.0-linux-amd64/node_exporter
node_exporter-1.6.0-linux-amd64/LICENSE
[ec2-user@ip-172-31-4-17 prometheus]$ sudo mv node_exporter-1.6.0-linux-amd64 /etc/node_exporter
[ec2-user@ip-172-31-4-17 prometheus]$ /etc/node_exporter/node_exporter &
[2] 3023
[ec2-user@ip-172-31-4-17 prometheus]$ ts=2025-01-13T18:15:47.534Z caller=node_exporter.go:180 level=info msg="Starting node_exporter" version="(version=1.6.0, branch=HEAD, revision=ff7f9d69b645cb691dd3e84dc3afc88f5c006962)"
ts=2025-01-13T18:15:47.534Z caller=node_exporter.go:181 level=info msg="Build context" build_context="(go=go1.20.4, platform=linux/amd64, user=root@f9c3ed0cfbd3, date=20230527-12:03:54, tags=netgo osusergo static_build)"
ts=2025-01-13T18:15:47.534Z caller=diskstats_common.go:111 level=info collector=diskstats msg="Parsed flag --collector.diskstats.device-exclude" flag="(ram|loop|fd|(h|s|v|xv)d[a-z]|nvme\d+n\d+p)\d+$"
ts=2025-01-13T18:15:47.535Z caller=filesystem_common.go:111 level=info collector=filesystem msg="Parsed flag --collector.filesystem.mount-points-exclude" flag="(dev|proc|run|credentials|.+|sys|var/lib/docker/.+|var/lib/containers/storage/.+)|($|/)"
ts=2025-01-13T18:15:47.535Z caller=filesystem_common.go:113 level=info collector=filesystem msg="Parsed flag --collector.filesystem.fs-types-exclude" flag="(autofs|binfmt_misc|bpf|cgroup2?|configfs|debugfs|devpts|devtmpfs|fusectl|hugetlbfs|iso9660|mqueue|nsfs|overlay|proc|procfs|pstore|rpc_pipefs|securityfs|selinuxfs|squashfs|sysfs|tracefs)"
ts=2025-01-13T18:15:47.535Z caller=node_exporter.go:110 level=info msg="Enabled collectors"
ts=2025-01-13T18:15:47.535Z caller=node_exporter.go:117 level=info collector=arp
ts=2025-01-13T18:15:47.536Z caller=node_exporter.go:117 level=info collector=bcache
ts=2025-01-13T18:15:47.536Z caller=node_exporter.go:117 level=info collector=bonding
ts=2025-01-13T18:15:47.536Z caller=node_exporter.go:117 level=info collector=btrfs
ts=2025-01-13T18:15:47.536Z caller=node_exporter.go:117 level=info collector=conntrack
ts=2025-01-13T18:15:47.536Z caller=node_exporter.go:117 level=info collector=cpu
```



```
ec2-user@ip-172-31-4-17:/etc/prometheus
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=softnet
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=stat
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=tapesta
ts
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=textfil
e
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=thermal
_zone
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=time
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=timex
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=udp_que
ues
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=uname
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=vmstat
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=xfs
ts=2025-01-13T18:15:47.537Z caller=node_exporter.go:117 level=info collector=zfs
ts=2025-01-13T18:15:47.537Z caller=tls_config.go:274 level=info msg="Listening on" a
ddress=[::]:9100
ts=2025-01-13T18:15:47.537Z caller=tls_config.go:277 level=info msg="TLS is disabled
" http2=false address=[::]:9100
AC
[ec2-user@ip-172-31-4-17 prometheus]$ sudo yum install -y https://dl.grafana.com/oss
/release/grafana-10.1.0-1.x86_64.rpm
Last metadata expiration check: 0:14:59 ago on Mon Jan 13 18:01:31 2025.
grafana-10.1.0-1.x86_64.rpm      8.4 MB/s | 208 MB      00:24
Dependencies resolved.
=====
Package                               Arch    Version                               Repository    Size
=====
Installing:
grafana                               x86_64  10.1.0-1                             @commandline 208 M
Installing dependencies:
cairo                                x86_64  1.18.0-4.amzn2023.0.1               amazonlinux  718 k
fontconfig                          x86_64  2.13.94-2.amzn2023.0.2               amazonlinux  273 k
fonts-filesystem                    noarch  1:2.0.5-12.amzn2023.0.2               amazonlinux   9.5 k
freetype                            x86_64  2.13.2-5.amzn2023.0.1               amazonlinux  423 k
google-noto-fonts-common            noarch  20201206-2.amzn2023.0.2               amazonlinux   15 k
google-noto-sans-vf-fonts           noarch  20201206-2.amzn2023.0.2               amazonlinux  492 k
graphite2                           x86_64  1.3.14-7.amzn2023.0.2               amazonlinux   97 k
harfbuzz                            x86_64  7.0.0-2.amzn2023.0.1               amazonlinux  868 k
langpacks-core-font-en              noarch  3.0-21.amzn2023.0.4                 amazonlinux   10 k
libx11                              x86_64  1.8.10-2.amzn2023.0.1               amazonlinux  659 k
libx11-common                       noarch  1.8.10-2.amzn2023.0.1               amazonlinux  147 k
libxau                              x86_64  1.0.11-6.amzn2023.0.1               amazonlinux   33 k
libxext                             x86_64  1.3.6-1.amzn2023.0.1               amazonlinux   42 k
libxrender                          x86_64  0.9.11-6.amzn2023.0.1               amazonlinux   29 k
libbrotli                           x86_64  1.0.9-4.amzn2023.0.2               amazonlinux  315 k
libpng                              x86_64  2:1.6.37-10.amzn2023.0.6            amazonlinux  128 k
=====
```

```
ec2-user@ip-172-31-4-17:/etc/prometheus
Verifying      : urw-base35-z003-fonts-20200910-6.amzn2023.0.2.noarch      30/32
Verifying      : xml-common-0.6.3-56.amzn2023.0.2.noarch                  31/32
Verifying      : grafana-10.1.0-1.x86_64                                  32/32

Installed:
cairo-1.18.0-4.amzn2023.0.1.x86_64
fontconfig-2.13.94-2.amzn2023.0.2.x86_64
fonts-filesystem-1:2.0.5-12.amzn2023.0.2.noarch
freetype-2.13.2-5.amzn2023.0.1.x86_64
google-noto-fonts-common-20201206-2.amzn2023.0.2.noarch
google-noto-sans-vf-fonts-20201206-2.amzn2023.0.2.noarch
grafana-10.1.0-1.x86_64
graphite2-1.3.14-7.amzn2023.0.2.x86_64
harfbuzz-7.0.0-2.amzn2023.0.1.x86_64
langpacks-core-font-en-3.0-21.amzn2023.0.4.noarch
libX11-1.8.10-2.amzn2023.0.1.x86_64
libX11-common-1.8.10-2.amzn2023.0.1.noarch
libXau-1.0.11-6.amzn2023.0.1.x86_64
libXext-1.3.6-1.amzn2023.0.1.x86_64
libXrender-0.9.11-6.amzn2023.0.1.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64
libpng-2:1.6.37-10.amzn2023.0.6.x86_64
libxcb-1.17.0-1.amzn2023.0.1.x86_64
pixman-0.43.4-1.amzn2023.0.4.x86_64
urw-base35-bookman-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-c059-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-d0500001-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-fonts-common-20200910-6.amzn2023.0.2.noarch
urw-base35-gothic-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-nimbus-mono-ps-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-nimbus-roman-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-nimbus-sans-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-p052-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-standard-symbols-ps-fonts-20200910-6.amzn2023.0.2.noarch
urw-base35-z003-fonts-20200910-6.amzn2023.0.2.noarch
xml-common-0.6.3-56.amzn2023.0.2.noarch

Complete!
[ec2-user@ip-172-31-4-17 prometheus]$ sudo systemctl start grafana-server
[ec2-user@ip-172-31-4-17 prometheus]$
[ec2-user@ip-172-31-4-17 prometheus]$ sudo systemctl enable grafana-server
Synchronizing state of grafana-server.service with SysV service script with /usr/lib
/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable grafana-server
Created symlink /etc/systemd/system/multi-user.target.wants/grafana-server.service -
/usr/lib/systemd/system/grafana-server.service.
[ec2-user@ip-172-31-4-17 prometheus]$
```

The screenshot shows the Prometheus web interface. The browser's address bar displays the URL: `13.232.13.209:9090/graph?g0.expr=&g0.tab=1&g0.stacked=0&g0.show_exemplars=0&g0.range_input=1h`. The interface includes a navigation bar with 'Prometheus', 'Alerts', 'Graph', 'Status', and 'Help'. Below this, there are settings for 'Use local time', 'Enable query history', 'Enable autocomplete', 'Enable highlighting', and 'Enable linter'. The main area features a search bar with the placeholder text 'Expression (press Shift+Enter for newlines)' and an 'Execute' button. A 'Table' tab is selected, showing a 'Graph' view. The 'Evaluation time' is displayed as 'No data queried yet'. A 'Remove Panel' button is visible in the bottom right corner of the panel area. The Windows taskbar at the bottom shows the system clock at 11:51 PM on 13-01-2025.

(1093) Prometheus x

SecurityGroups | L x

Instances | EC2 | a x

https://:9090 - Ya x

Prometheus Time x

Grafana x

Not secure 13.232.13.209:3000/?orgId=1

Gmail YouTube Maps IS Internshala Trainings JS week start | Internsh... Dashboard [Jenkins]

All Bookmarks

Home

Search or jump to... ctrl+k

Welcome to Grafana

Need help? [Documentation](#) [Tutorials](#) [Community](#) [Public Slack](#)

Basic


The steps below will guide you to quickly finish setting up your Grafana installation.

TUTORIAL

DATA SOURCE AND DASHBOARDS


Grafana fundamentals

Set up and understand Grafana if you have no prior experience. This tutorial guides you through the entire process and covers the "Data source" and "Dashboards" steps to the right.



DATA SOURCES


Add your first data source



Learn how in the docs [↗](#)

DASHBOARDS

Create your first dashboard




Learn how in the docs [↗](#)

[Remove this panel](#)

24°C Mostly cloudy

Search



ENG IN

11:51 PM 13-01-2025