Day 6

```
roshni@LAPTOP-1VNKAF61: $ sudo useradd \
--system \
--no-create-home \
--shell /bin/false prometheus
[sudo] password for roshni:
roshni@LAPTOP-1VNKAF61: $ wget https://github.com/prometheus/prometheus/releases/download/v2.47.1/prometheus-2.47.1.linux-amd64.tar.gz
sudo mkdir -p /data /etc/prometheus
cd prometheus-2.47.1.linux-amd64/sudo my prometheus-2.47.1.linux-amd64/sudo my prometheus-prometheus-prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-yetc/prometheus-ye
```

```
roshni@LAPTOP-1VNKAF61:-$ sudo systemctl enable prometheus
sudo systemctl startu prometheus
sudo systemctl status prometheus
journalctl -u prometheus -f --no-pager
Created symlink /etc/systemd/system/multi-user.target.wants/prometheus.service → /etc/systemd/system/prometheus.service.

prometheus.service - Prometheus
Loaded: loaded (/etc/systemd/system/prometheus.service; enabled; preset: enabled)
Active: active (running) since Sat 2025-03-22 06:40:23 UTC; 77ms ago
Main PID: 41538 (prometheus)
Tasks: 12 (limit: 9375)
Memory: 19.1M ()
CGroup: /system.slice/prometheus.service

41538 /usr/local/bin/prometheus --config.file=/etc/prometheus/prometheus.yml --storage.tsdb.path=/data --web>
```

```
node_exporter-1.6.1.linux-amd64/NOTICE
node_exporter-1.6.1.linux-amd64/NOTICE
node_exporter-1.6.1.linux-amd64/NOTICE
node_exporter-1.6.1.linux-amd64/LICENSE
roshni@LAPTOP-1VNKAF6I: $ sudo mv \
node_exporter-1.6.1.linux-amd64/lode_exporter \
/usr/local/bin/
roshni@LAPTOP-1VNKAF6I: $ m -rf node_exporter*
roshni@LAPTOP-1VNKAF6I: $ node_exporter --version
node_exporter, version 1.6.1 (branch: HEAD, revision: 4a1b77600c1873a8233f3ffb55afcedbb63b8d84)
build user: root@586879db11e5
build date: 20230717-12:10:52
go_version: gol.20.6
platform: linux/amd64
tags: netgo_osusergo_static_build
roshni@LAPTOP-1VNKAF6I: $ sudo_vim_/etc/systemd/system/node_exporter.service
roshni@LAPTOP-1VNKAF6I: $ sudo_vim_/etc/systemd/system/node_exporter
sudo_systemctl status_node_exporter
lournalctl -u node_exporter f --no-pager
Created_symlink_/etc/systemd/system/multi-user.target.wants/node_exporter.service --/etc/systemd/system/node_exporter.service
e.

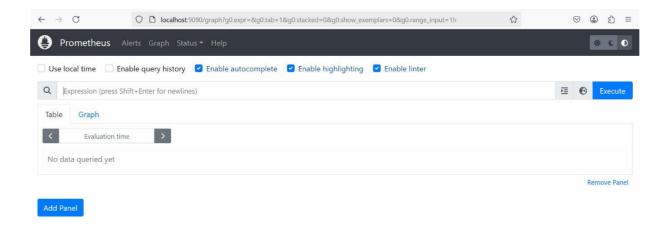
*node_exporter.service - Node_Exporter
Loaded: loaded_(/etc/systemd/system/node_exporter.service; enabled; preset: enabled)
Active: active_(running) since Sat_2025-03-22_06:44:11_UTC; 18ms_ago

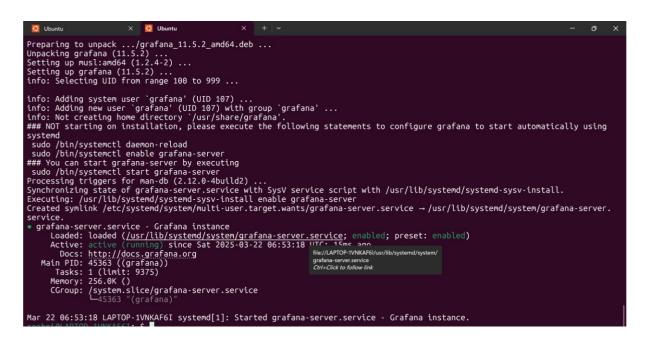
Main_PID: 42445_(node_exporter)
Tasks: 6 (limit: 9375)
Memory: 3.2M_()
CGroup: /system.slice/node_exporter--collector.logind
```

```
# Ascrape configuration containing exactly one endpoint to scrape:
# A scrape configuration containing exactly one endpoint to scrape:
# A scrape configuration containing exactly one endpoint to scrape:
# Here it's Prometheus is added as a label job=<job_name> to any timeseries scraped from this config.

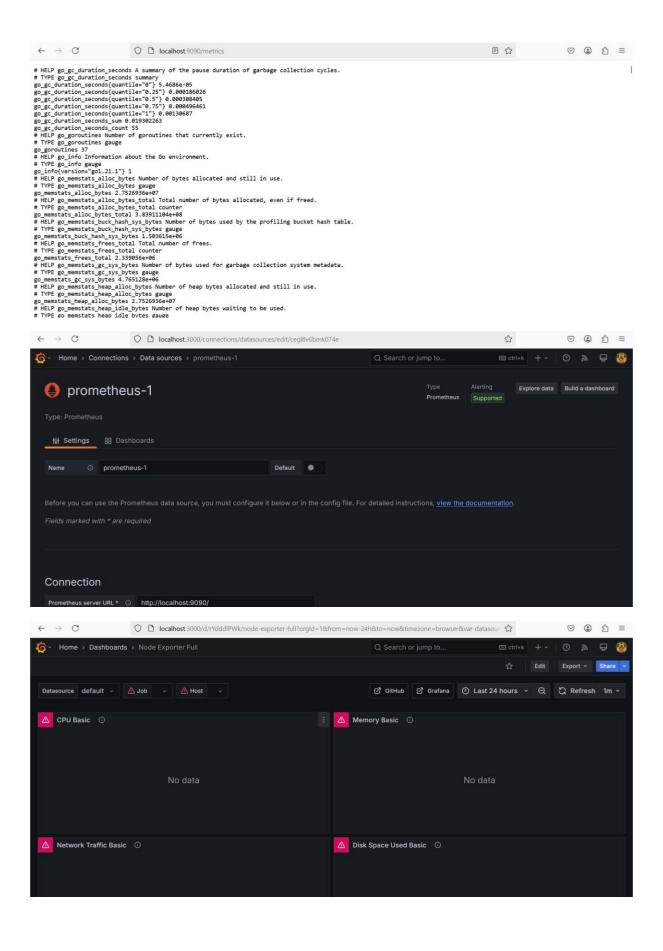
# Targets:
# metrics_path defaults to '/metrics'
# scheme defaults your 29L, 934B

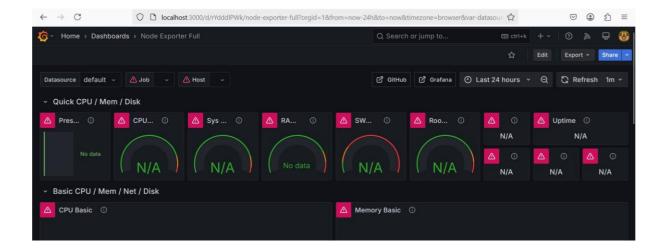
# //etc/prometheus/prometheus.yml" 29L, 934B
```

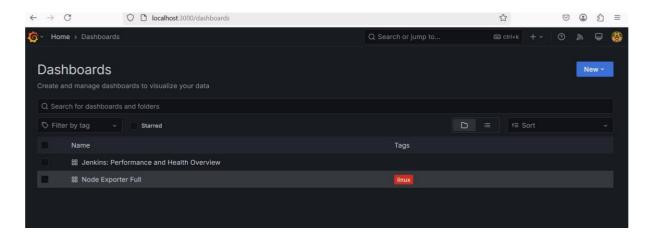


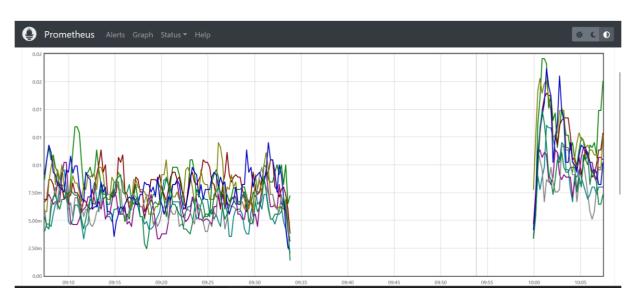


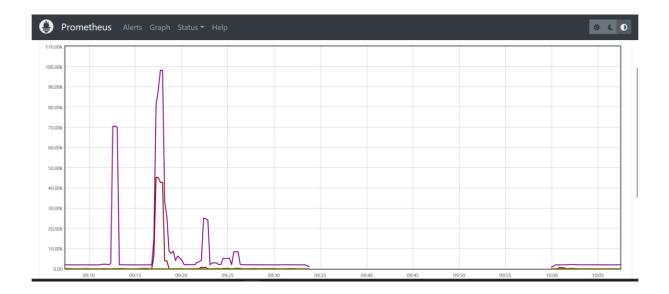












Prometheus is an open-source system monitoring and alerting toolkit originally built at SoundCloud. It is now a standalone open-source project. Prometheus joined the Cloud Native Computing Foundation in 2016 as the second hosted project, after Kubernetes.

Features

- 1. a multi-dimensional data model with time series data identified by metric name and key/value pairs
- 2. PromQL, a flexible query language to leverage this dimensionality
- 3. no reliance on distributed storage; single server nodes are autonomous
- 4. time series collection happens via a pull model over HTTP
- 5. pushing time series is supported via an intermediary gateway
- 6. targets are discovered via service discovery or static configuration
- 7. multiple modes of graphing and dashboarding support

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https://grafana.com/dashboards/405 https://grafana.com/dashboards/1860 https://grafana.com/dashboards/5174 https://grafana.com/dashboards/9096

rate(node_cpu_seconds_total{mode="system"}[1m])
rate(node_network_receive_bytes_total[1m])