

```
soha@ubuntu:~/depi_r3/lec21$ wget https://github.com/prometheus/node_exporter/releases/download/v1.9.1/node_exporter-1.9.1.linux-amd64.tar.gz
--2025-09-08 23:28:21-- https://github.com/prometheus/node_exporter/releases/download/v1.9.1/node_exporter-1.9.1.linux-amd64.tar.gz
Resolving github.com (github.com)... 140.82.121.4
Connecting to github.com (github.com)|140.82.121.4|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://release-assets.githubusercontent.com/github-production-release-asset/9524057/dc8ec09c-2975-42a2-9591-57dd1ffff7b7?sp=r&sv=2018-11-09&sr=b&spr=https&se=2025-09-09T00%3A28%3A28Z&rscd=attachment%3B+filename%3Dnode_exporter-1.9.1.linux-amd64.tar.gz&rscst=application%2Foctet-stream&skoid=96c2d410-5711-43a1-aedd-ab1947aa7ab0&sktid=398a6654-997b-47b9-b12b-9515b996b4da&skt=2025-09-09T22%3A28%3A28Z&skc=2025-09-09T00%3A28%3A28Z&skc=b%&skv=2018-11-09&sig=48xPK6TfcumTcSK1
```

```
soha@ubuntu:~/depi_r3/lec21$ tar -xvf node_exporter-1.9.1.linux-amd64.tar.gz
node_exporter-1.9.1.linux-amd64/
node_exporter-1.9.1.linux-amd64/LICENSE
node_exporter-1.9.1.linux-amd64/NOTICE
node_exporter-1.9.1.linux-amd64/node_exporter
soha@ubuntu:~/depi_r3/lec21$ ls -l node_exporter-1.9.1.linux-amd64
total 21700
-rw-r--r-- 1 soha soha 11357 Apr  1 15:23 LICENSE
-rwxr-xr-x 1 soha soha 22204245 Apr  1 15:19 node_exporter
-rw-r--r-- 1 soha soha 463 Apr  1 15:23 NOTICE
soha@ubuntu:~/depi_r3/lec21$ sudo useradd --no-create-home --shell /bin/false node_exporter
sudo: useradd--no-create-home: command not found
soha@ubuntu:~/depi_r3/lec21$ ls
node_exporter-1.9.1.linux-amd64  node_exporter-1.9.1.linux-amd64.tar.gz  prometheus-3.5.0.linux-amd64
soha@ubuntu:~/depi_r3/lec21$ rm node_exporter-1.9.1.linux-amd64.tar.gz
soha@ubuntu:~/depi_r3/lec21$ ls
node_exporter-1.9.1.linux-amd64  prometheus-3.5.0.linux-amd64
soha@ubuntu:~/depi_r3/lec21$ cd node_exporter-1.9.1.linux-amd64
soha@ubuntu:~/depi_r3/lec21/node_exporter-1.9.1.linux-amd64$ sudo cp node_exporter /usr/local/bin
soha@ubuntu:~/depi_r3/lec21/node_exporter-1.9.1.linux-amd64$ sudo chown node_exporter:node_exporter /usr/local/bin/node_exporter
soha@ubuntu:~/depi_r3/lec21/node_exporter-1.9.1.linux-amd64$ sudo vim /etc/systemd/system/node_exporter.service
soha@ubuntu:~/depi_r3/lec21/node_exporter-1.9.1.linux-amd64$ cd /etc/systemd/system
```

```
[Unit]
Description=Node Exporter
Wants=network-online.target
After=network-online.target





[Service]
User=node_exporter
Group=node_exporter
Type=simple
ExecStart=/usr/local/bin/node_exporter --web.listen-address="127.0.0.1:9208"





[Install]
WantedBy=multi-user.target

~
~
~
~
```

```
soha@ubuntu:/etc/systemd/system$ sudo systemctl daemon-reload
sudo systemctl enable node_exporter
sudo systemctl start node_exporter
sudo systemctl status node_exporter
● node_exporter.service - Node Exporter
   Loaded: loaded (/etc/systemd/system/node_exporter.service; enabled; preset: enabled)
   Active: active (running) since Sun 2025-09-07 18:17:55 UTC; 1 day 5h ago
     Main PID: 64991 (node_exporter)
        Tasks: 5 (limit: 6846)
       Memory: 7.9M (peak: 9.4M)
          CPU: 2.867s
       CGroup: /system.slice/node_exporter.service
               └─64991 /usr/local/bin/node_exporter --web.listen-address=127.0.0.1:9208

Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=t>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=t>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=u>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=u>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=v>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=w>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=x>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.774Z level=INFO source=node_exporter.go:141 msg=z>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.775Z level=INFO source=tls_config.go:347 msg="Lis>
Sep 07 18:17:55 ubuntu node_exporter[64991]: time=2025-09-07T18:17:55.775Z level=INFO source=tls_config.go:350 msg="TLS>
lines 1-20/20 (END)
```

node_exporter		1 / 1 up 	
Endpoint	Labels	Last scrape	State
http://localhost:9208/metrics	instance="localhost:9208" job="node_exporter" 	 6.223s ago  17ms	UP

prometheus		1 / 1 up 	
Endpoint	Labels	Last scrape	State
http://localhost:9090/metrics	app="prometheus" instance="localhost:9090" job="prometheus" 	 10.955s ago  7ms	UP

```

# Alertmanager configuration
alerting:
  alertmanagers:
    - static_configs:
      - targets:
        # - alertmanager:9093

# Load rules once and periodically evaluate them according to the
rule_files:
# - "first_rules.yml"
# - "second_rules.yml"

# A scrape configuration containing exactly one endpoint to scrape
# Here it's Prometheus itself.
scrape_configs:
# The job name is added as a label `job=<job_name>` to any timeseries
- job_name: "prometheus"

# metrics_path defaults to '/metrics'
# scheme defaults to 'http'.

static_configs:
- targets: ["localhost:9090", "3.82.101.89:9208"]
  # The label name is added as a label `label_name=<label_value>`
  labels:
    app: "prometheus"

/etc/prometheus/prometheus.yml" 38L, 1201B

```

Select scrape pool

Filter by target health

Filter by endpoint or labels

node_exporter

0 / 1 up

Endpoint	Labels	Last scrape	State
http://localhost:9100/metrics	instance="localhost:9100" job="node_exporter"	14.198s ago 1ms	DOWN

Error scraping target: Get "http://localhost:9100/metrics": dial tcp [::1]:9100: connect: connection refused

prometheus

1 / 2 up

Endpoint	Labels	Last scrape	State
http://localhost:9090/metrics	app="prometheus" instance="localhost:9090" job="prometheus"	13.545s ago 17ms	UP
http://3.82.101.89:9208/metrics	app="prometheus" instance="3.82.101.89:9208" job="prometheus"	15.194s ago 10.007s	DOWN

Error scraping target: Get "http://3.82.101.89:9208/metrics": context deadline exceeded

node_exporter

1 / 1 up ● ^

Endpoint	Labels	Last scrape	State
http://localhost:9100/metrics	instance="localhost:9100" job="node_exporter" ▼	🕒 5.718s ago 📏 19ms	UP

prometheus

1 / 1 up ● ^

Endpoint	Labels	Last scrape	State
http://localhost:9090/metrics	app="prometheus" instance="localhost:9090" job="prometheus" ▼	🕒 5.059s ago 📏 5ms	UP