

2. Install node exporter on another machine than the server

- Add that machine target to server configuration
- Share screenshot from status->targets to show the available nodes
- Share configuration of node exporter & prometheus server

Installing Prometheus Node-exporter service on another ubuntu host(192.168.1.93)

`sudo apt install prometheus-node-exporter`

Checking status of node-exporter

`sudo systemctl status prometheus-node-exporter`

```
bibek@node-exporter:/etc$ sudo systemctl status prometheus-node-exporter
● prometheus-node-exporter.service - Prometheus exporter for machine metrics
   Loaded: loaded (/lib/systemd/system/prometheus-node-exporter.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2021-12-03 21:43:14 +0545; 4min 25s ago
     Docs: https://github.com/prometheus/node_exporter
    Main PID: 2882 (prometheus-node)
      Tasks: 8 (limit: 1092)
     Memory: 9.4M
    CGroup: /system.slice/prometheus-node-exporter.service
            └─2882 /usr/bin/prometheus-node-exporter

dis  सु  03  21:43:14  node-exporter prometheus-node-exporter[2882]: time="2021-12-03 21:43:14" level=info msg="Starting Prometheus Node Exporter"
dis  सु  03  21:43:14  node-exporter prometheus-node-exporter[2882]: time="2021-12-03 21:43:14" level=info msg="Listening on :9100"
dis  सु  03  21:43:14  node-exporter prometheus-node-exporter[2882]: time="2021-12-03 21:43:14" level=info msg="Build Info (https://prometheus.io/docs/operating/faq_builds/): prometheus-node-exporter (version=1.3.1, branch=HEAD, commit=5c0e0e0, buildDate=20211118T14:08:00Z, buildUser=root@b1708c1c2000, buildGoVersion=go1.17.6, compiler=gc, platform=linux/amd64)"
dis  सु  03  21:43:14  node-exporter prometheus-node-exporter[2882]: time="2021-12-03 21:43:14" level=info msg="Prometheus Node Exporter is up and running"
dis  सु  03  21:43:14  node-exporter prometheus-node-exporter[2882]: time="2021-12-03 21:43:14" level=info msg="Prometheus Node Exporter is up and running"
dis  सु  03  21:43:14  node-exporter prometheus-node-exporter[2882]: time="2021-12-03 21:43:14" level=info msg="Prometheus Node Exporter is up and running"
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```

Adding the node-exporter target to Prometheus server

`sudo vi /etc/prometheus/prometheus.yml`

Configuration file of Prometheus Server

```
global:
  scrape_interval: 15s

rule_files:
  - 'prometheus.rules.yml'

scrape_configs:
  - job_name: 'prometheus'
    scrape_interval: 5s
    static_configs:
```

```
- targets: ['192.168.1.147:9090']
basic_auth:
  username: admin
  password: 123456

- job_name: 'node_exporter'
  scrape_interval: 5s
  static_configs:
    - targets: ['192.168.1.93:9100']
```

Restarting the Prometheus service

sudo systemctl restart prometheus.service

```
bibek@prometheus:/etc/prometheus$ sudo systemctl status prometheus.service
● prometheus.service - Prometheus
   Loaded: loaded (/etc/systemd/system/prometheus.service; enabled; vendor pr
   Active: active (running) since Fri 2021-12-03 22:00:46 +0545; 8s ago
   Main PID: 20909 (prometheus)
     Tasks: 7 (limit: 2299)
    Memory: 62.1M
    CGroup: /system.slice/prometheus.service
            └─20909 /usr/local/bin/prometheus --config.file /etc/prometheus/pr

दिस स्र वर 03 22:00:52 prometheus prometheus[20909]: ts=2021-12-03T16:15:52.999Z ca>
दिस स्र वर 03 22:00:53 prometheus prometheus[20909]: ts=2021-12-03T16:15:53.087Z ca>
दिस स्र वर 03 22:00:54 prometheus prometheus[20909]: ts=2021-12-03T16:15:54.323Z ca>
दिस स्र वर 03 22:00:54 prometheus prometheus[20909]: ts=2021-12-03T16:15:54.325Z ca>
```

Prometheus service is running successfully

Checking the node_exporter target in prometheus Dashboard

Activities Firefox Web Browser दिसम्बर 3 21:45

Prometheus Time Series (x) +

localhost:9090/targets

Prometheus

targets

All Unhealthy Collapse All

node_exporter (1/1 up) [show less](#)

| Endpoint | State | Labels | Last Scrape | Scrape Duration | Error |
|---|-------|---|-------------|-----------------|-------|
| http://192.168.1.93:9100/metrics | UP | instance="192.168.1.93:9100" job="node_exporter" | 4.934s ago | 196.728ms | |

prometheus (1/1 up) [show less](#)

| Endpoint | State | Labels | Last Scrape | Scrape Duration | Error |
|---|-------|---|-------------|-----------------|-------|
| http://192.168.1.147:9090/metrics | UP | instance="192.168.1.147:9090" job="prometheus" | 4.661s ago | 10.720ms | |