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**

For installing we open our **Centos7** VM and,

wget https://github.com/prometheus/node_exporter/releases/download/v0.16.0-rc.1/node_exporter-0.16.0-rc.1.linux-amd64.tar.gz

tar -xzvf node_exporter-0.16.0-rc.1.linux-amd64.tar.gz

mv node_exporter-0.16.0-rc.1.linux-amd64 node_exporter

cd /etc/systemd/system/

vim node_exporter.service

```
100%[======================================>] 5,617,869   2.03MB/s   in 2.6s

2021-12-04 09:52:35 (2.03 MB/s) - 'node_exporter-0.16.0-rc.1.linux-amd64.tar.gz'
 saved [5617869/5617869]

[root@server2 ~]# tar -xzvf node_exporter-0.16.0-rc.1.linux-amd64.tar.gz
node_exporter-0.16.0-rc.1.linux-amd64/
node_exporter-0.16.0-rc.1.linux-amd64/LICENSE
node_exporter-0.16.0-rc.1.linux-amd64/node_exporter
node_exporter-0.16.0-rc.1.linux-amd64/NOTICE
[root@server2 ~]# mv node_exporter-0.16.0-rc.1.linux-amd64 node_exporter
[root@server2 ~]# cd /etc/systemd/system/
[root@server2 system]# vim node_exporter.service
```

Include the below in node_exporter.service file:

[Unit]

Description=Node Exporter

Wants=network-online.target

After=network-online.target

[Service]

ExecStart=~/node_exporter/node_exporter

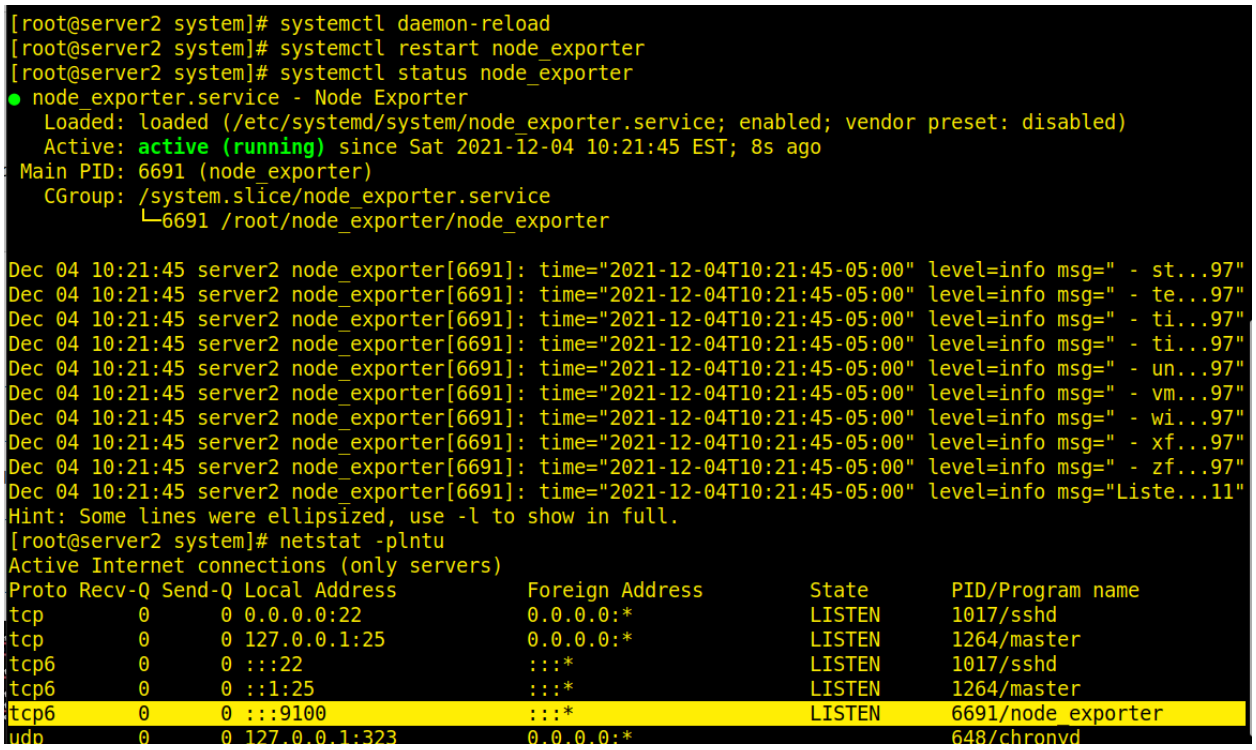
[Install]

WantedBy=default.target

```
[Unit]
Description=Node Exporter
Wants=network-online.target
After=network-online.target
[Service]
ExecStart=/root/node_exporter/node_exporter
[Install]
WantedBy=default.target

~
~
```

systemctl daemon-reload
systemctl start node_exporter
systemctl enable node_exporter
Systemctl status node_exporter
netstat -plntu



We can clearly see that the node_exporter is running in **port 9100**

Now, Adding node exporter target to prometheus server we do,
sudo vi /etc/prometheus/prometheus.yml

Include the below :

```
global:
  scrape_interval: 15s

rule_files:
  - 'prometheus.rules.yml'

scrape_configs:

  - job_name: 'prometheus'
    scrape_interval: 5s
    static_configs:
      - targets: [192.168.1.104:9090']
    basic_auth:
      username: admin
      password: centos
```

- job_name: 'node_exporter'
scrape_interval: 5s
static_configs:
- targets: [192.168.1.168:9100']

```
global:
  scrape_interval: 15s

rule_files:
  - 'prometheus.rules.yml'

scrape_configs:

  - job_name: 'prometheus'
    scrape_interval: 5s
    static_configs:
      - targets: ['192.168.1.104:9090']
    basic_auth:
      username: admin
      password: centos

  - job_name: 'node_exporter'
    scrape_interval: 5s
    static_configs:
      - targets: ['192.168.1.168:9100']
```

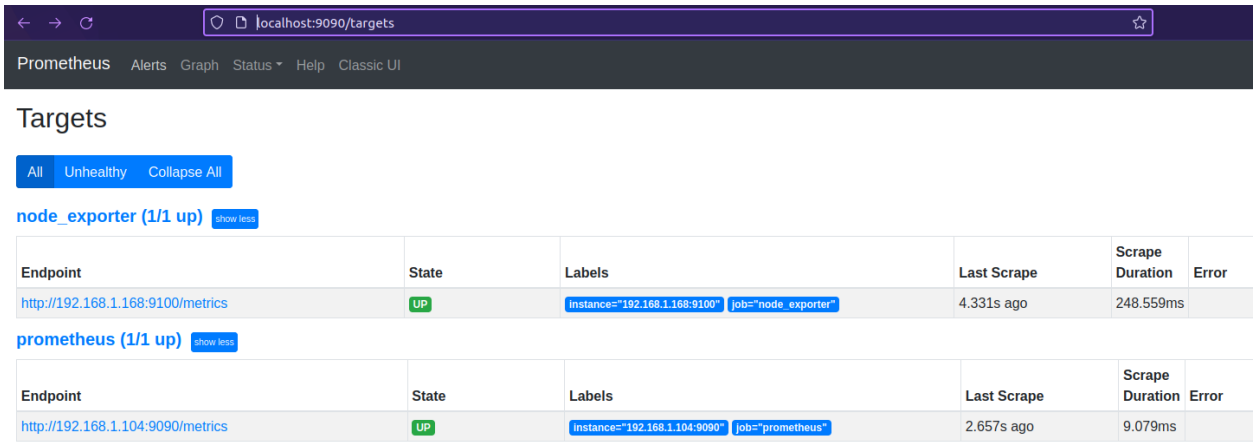
Restarting the service,

```
lostinserver@lostinserver:/etc/prometheus$ sudo systemctl restart prometheus.service
lostinserver@lostinserver:/etc/prometheus$ sudo systemctl status prometheus.service
● prometheus.service - Prometheus service file
     Loaded: loaded (/etc/systemd/system/prometheus.service; disabled; vendor preset: enabled)
     Active: active (running) since Tue 2021-12-07 13:53:52 +0545; 9s ago
   Main PID: 53050 (prometheus)
      Tasks: 9 (limit: 9364)
     Memory: 32.9M
     CGroup: /system.slice/prometheus.service
             └─53050 /usr/local/bin/prometheus --config.file /etc/prometheus/prometheus.yml --storage.ts>

दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.901Z caller=head.go:597 level=>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.901Z caller=head.go:597 level=>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.902Z caller=head.go:597 level=>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.902Z caller=head.go:597 level=>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.902Z caller=head.go:603 level=>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.904Z caller=main.go:945 level=>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.904Z caller=main.go:948 level=>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.904Z caller=main.go:1129 level>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.905Z caller=main.go:1166 level>
दि सम्बर 07 13:53:52 lostinserver prometheus[53050]: ts=2021-12-07T08:08:52.905Z caller=main.go:897 level=>
```

Now we allow the 9100 port to the firewalld rules in the VM as,

firewall-cmd --add-port=9100/tcp
firewall-cmd --reload

```
[root@server2 system]# firewall-cmd --add-port=9100/tcp
success
[root@server2 system]# firewall-cmd --reload
success
```

Now we check the browser in, http://localhost:9090/targets