

# Prometheus

## Install Prometheus

First download the source from the [web site](#)

```
wget <link of the source>
tar xvf prometheus-*,*-amd64.tar.gz
mv prometheus-*,*-amd64 prometheus-files
```

Create an user to run **Prometheus** and give it the ownership

```
sudo useradd --no-create-home --shell /bin/false prometheus
sudo mkdir /etc/prometheus
sudo mkdir /var/lib/prometheus
sudo chown prometheus:prometheus /etc/prometheus
sudo chown prometheus:prometheus /var/lib/prometheus
```

Copy / past the source in the new folder

```
sudo cp prometheus-files/prometheus /usr/local/bin/
sudo cp prometheus-files/promtool /usr/local/bin/
sudo chown prometheus:prometheus /usr/local/bin/prometheus
sudo chown prometheus:prometheus /usr/local/bin/promtool
sudo cp -r prometheus-files/consoles /etc/prometheus
sudo cp -r prometheus-files/console_libraries /etc/prometheus
sudo chown -R prometheus:prometheus /etc/prometheus/consoles
sudo chown -R prometheus:prometheus /etc/prometheus/console_libraries
```

## Configuration of Prometheus targets

Create a `prometheus.yml` to setup the config

```
sudo vim /etc/prometheus/prometheus.yml
```

Past it the following and change the target **ip:port**

```
global:
  scrape_interval: 10s

scrape_configs:
  - job_name: 'prometheus'
    scrape_interval: 5s
    static_configs:
      - targets: ['localhost:9090']
```

Then give the ownership to the user previously created

```
sudo chown prometheus:prometheus /etc/prometheus/prometheus.yml
```

You can now access to the GUI in your browser

```
http://<prometheus-ip>:9090/graph
```

# Create a systemctl task

Create the systemctl file

```
sudo vim /etc/systemd/system/prometheus.service
```

Past it the following

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

[Service]
User=prometheus
Group=prometheus
```

Type=simple

```
ExecStart=/usr/local/bin/prometheus \
--config.file /etc/prometheus/prometheus.yml \
--storage.tsdb.path /var/lib/prometheus/ \
--web.console.templates=/etc/prometheus/consoles \
--web.console.libraries=/etc/prometheus/console_libraries
```

[Install]

WantedBy=multi-user.target

Restart the systemctl daemon, start the task and enable it at system start up

```
sudo systemctl daemon-reload
sudo systemctl start prometheus
sudo systemctl enable prometheus
sudo systemctl status prometheus
```

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