

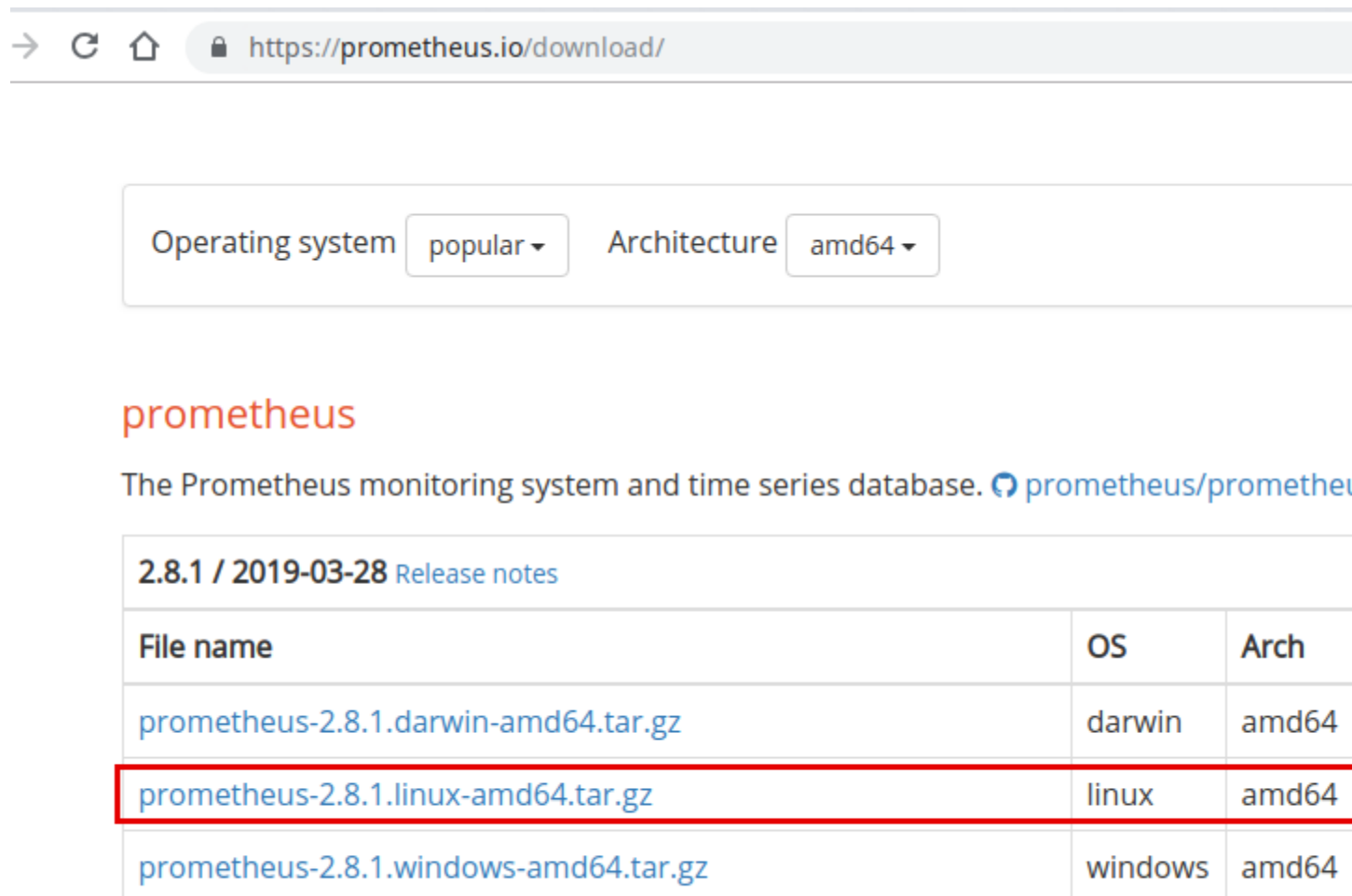
use the below link for installation:

<https://www.fosslinux.com/10398/how-to-install-and-configure-prometheus-on-centos-7.htm>

sudo su

Step 3 – Download Prometheus package

Go to official Prometheus [downloads page](#), and copy the URL of Linux “tar” file.



The screenshot shows the Prometheus download page. At the top, there's a browser address bar with the URL <https://prometheus.io/download/>. Below the address bar, there are two dropdown menus: "Operating system" set to "popular" and "Architecture" set to "amd64". The main heading "prometheus" is in orange. Below it, a description reads: "The Prometheus monitoring system and time series database. [prometheus/prometheus](#)". A section for version "2.8.1 / 2019-03-28" includes a link to "Release notes". A table lists available downloads for different operating systems and architectures. The row for "linux-amd64" is highlighted with a red border.

File name	OS	Arch
prometheus-2.8.1.darwin-amd64.tar.gz	darwin	amd64
prometheus-2.8.1.linux-amd64.tar.gz	linux	amd64
prometheus-2.8.1.windows-amd64.tar.gz	windows	amd64

Prometheus Download Page

Run the following command to download package. Paste the copied URL after wget in the below command:

```
wget
https://github.com/prometheus/prometheus/releases/download/v2.8.1/prometheus-2.8.1.linux-amd64.tar.gz
```

Step 4 – Configure Prometheus

Add a Prometheus user.

```
useradd --no-create-home --shell /bin/false prometheus
```

Create needed directories.

```
mkdir /etc/prometheus
```

```
mkdir /var/lib/prometheus
```

Change the owner of the above directories.

```
chown prometheus:prometheus /etc/prometheus
```

```
chown prometheus:prometheus /var/lib/prometheus
```

Now go to Prometheus downloaded location and extract it.

```
tar -xvzf prometheus-2.8.1.linux-amd64.tar.gz
```

Rename it as per your preference.

```
mv prometheus-2.8.1.linux-amd64 prometheuspackage
```

Copy “prometheus” and “promtool” binary from the “prometheuspackage” folder to “/usr/local/bin”.

```
cp prometheuspackage/prometheus /usr/local/bin/
```

```
cp prometheuspackage/promtool /usr/local/bin/
```

Change the ownership to Prometheus user.

```
chown prometheus:prometheus /usr/local/bin/prometheus
```

```
chown prometheus:prometheus /usr/local/bin/promtool
```

Copy “consoles” and “console_libraries” directories from the “prometheuspackage” to “/etc/prometheus folder”

```
cp -r prometheuspackage/consoles /etc/prometheus
```

```
cp -r prometheuspackage/console_libraries /etc/prometheus
```

Change the ownership to Prometheus user

```
chown -R prometheus:prometheus /etc/prometheus/consoles
```

```
chown -R prometheus:prometheus  
/etc/prometheus/console_libraries
```

Add and modify Prometheus configuration file.

Configurations should be added to the “/etc/prometheus/prometheus.yml”

Now we will create the prometheus.yml file.

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

Add the following configuration to the file.

```
global:  
  
  scrape_interval: 10s  
  
scrape_configs:  
  
  - job_name: 'prometheus_master'  
  
    scrape_interval: 5s  
  
    static_configs:  
  
      - targets: ['localhost:9090']
```

save and exit the file

Change the ownership of the file.

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

Configure the Prometheus Service File.

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

Copy the following content to the file.

```
[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
```

Save and the exit file.

Reload the systemd service.

```
systemctl daemon-reload
```

Start the Prometheus service.

```
systemctl start prometheus
```

Check service status.

```
systemctl status prometheus
```

[illegible]

Status

Add firewall rules

Add firewall rules.

```
firewall-cmd --zone=public --add-port=9090/tcp --
permanent
```

Reload firewall service.

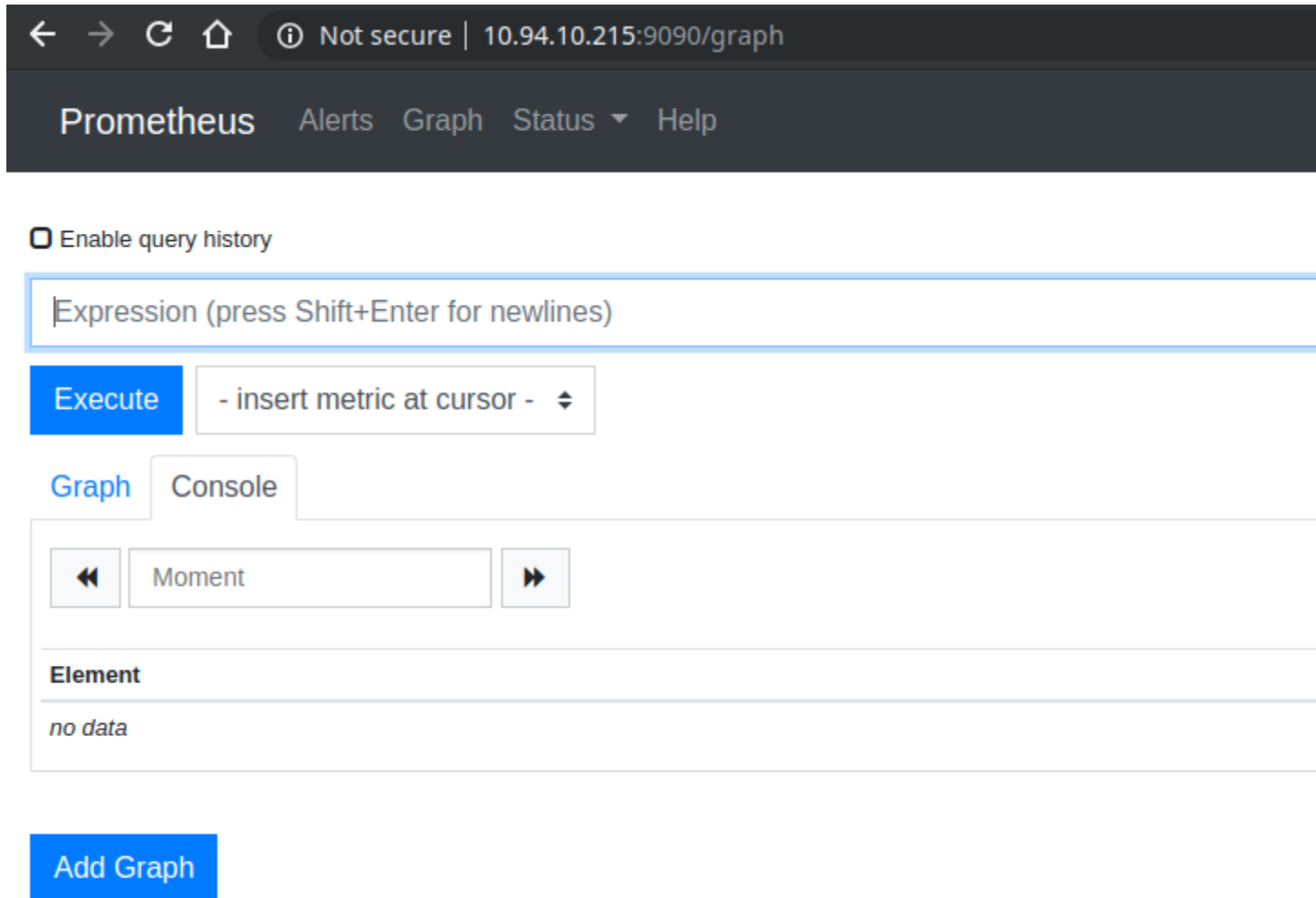
```
systemctl reload firewalld
```

Step 5 – Access Prometheus Web Interface

Use the following Url to access UI.

```
http://Server-IP:9090/graph
```

Then you can see the following interface.



UI

Step 6 – Monitor Linux Server Using Prometheus

First, you need to configure Prometheus node exporter on a Linux server.

Copy URL of the Node Exporter from the official [download page](#).

0.11.0 / 2018-06-29 Release notes		
File name	OS	Arch
mysqld_exporter-0.11.0.darwin-amd64.tar.gz	darwin	amd64
mysqld_exporter-0.11.0.linux-amd64.tar.gz	linux	amd64
mysqld_exporter-0.11.0.windows-amd64.tar.gz	windows	amd64

node_exporter

Exporter for machine metrics [🔗 prometheus/node_exporter](#)

0.17.0 / 2018-11-30 Release notes		
File name	OS	Arch
node_exporter-0.17.0.darwin-amd64.tar.gz	darwin	amd64
node_exporter-0.17.0.linux-amd64.tar.gz	linux	amd64

Node Exporter Download

Paste the copied URL after wget in the following command:

```
wget
https://github.com/prometheus/node_exporter/releases/download/v0.17.0/node_exporter-0.17.0.linux-amd64.tar.gz
```



```
[Service]

User=nodeusr

Group=nodeusr

Type=simple

ExecStart=/usr/local/bin/node_exporter


[Install]

WantedBy=multi-user.target
```

Save and exit the file.

Reload the system daemon.

```
systemctl daemon-reload
```

Start node exporter service.

```
systemctl start node_exporter
```

Add a firewall rule to allow node exporter.

```
firewall-cmd --zone=public --add-port=9100/tcp --
permanent
```

Reload firewall service.

```
systemctl restart firewalld
```

Enable node exporter on system boot.

```
systemctl enable node_exporter
```

View the metrics browsing node exporter URL.

```
http://IP-Address:9100/metrics
```