

Promtail Installation on Ubuntu

#check cpu architecture

uname -a

```
npci@node1:~$ #check cpu architecture
uname -a
Linux node1 6.8.0-40-generic #40~22.04.3-Ubuntu SMP PREEMPT_DYNAMIC Tue Jul 30 17:30:19 UTC 2 x86_64 x86_64 x86_64 GNU/Linux
npci@node1:~$
```

Note: If curl is not installed, use any of the below commands to install

sudo snap install curl # version 8.1.2, or

sudo apt install curl # version 7.81.0-1ubuntu1.17

#example for Loki on the linux operating system and amd64 architecture

curl -O -L "<https://github.com/grafana/loki/releases/download/v2.4.1/promtail-linux-amd64.zip>"

```
npci@node1:~$ #example for Loki on the linux operating system and amd64 architecture
curl -O -L "https://github.com/grafana/loki/releases/download/v2.4.1/promtail-linux-amd64.zip"
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
  0     0     0     0     0     0      0      0  --:--:--  0:00:01  --:--:--    0
100 20.3M 100 20.3M    0     0 1419k      0  0:00:14  0:00:14  --:--:-- 1765k
npci@node1:~$
```

#extract the binary

unzip "promtail-linux-amd64.zip"

```
npci@node1:~$ #extract the binary
unzip "promtail-linux-amd64.zip"
Archive:  promtail-linux-amd64.zip
  inflating: promtail-linux-amd64
```

#make sure it is executable

chmod a+x "promtail-linux-amd64"

```
npci@node1:~$ #make sure it is executable
chmod a+x "promtail-linux-amd64"
npci@node1:~$
```

#copy binary to /usr/local/bin/

sudo cp promtail-linux-amd64 /usr/local/bin/promtail

```
npci@node1:~$ #copy binary to /usr/local/bin/
sudo cp promtail-linux-amd64 /usr/local/bin/promtail
```

#verify installation by checking version

promtail --version

```

npci@node1:~$ #verify installation by checking version
promtail --version
promtail, version 2.4.1 (branch: HEAD, revision: f61a4d261)
  build user:      root@9cbe2f86250f
  build date:      2021-11-08T13:05:10Z
  go version:      go1.16.2
  platform:        linux/amd64

```

Now, it's time to create a config file for Promtail.

#create dir in /etc

sudo mkdir -p /etc/promtail /etc/promtail/logs

```

npci@node1:~$ #create dir in /etc
sudo mkdir -p /etc/promtail /etc/promtail/logs
npci@node1:~$

```

#promtail config file for nginx

sudo curl -o /etc/promtail/promtail-config.yaml -L

"https://gist.githubusercontent.com/theLazyCat775/6fe9125e529221166e9f02b00244638a/raw/84f510e6f62d0e60ab95d8e7f9732a629a27eb6d/promtail-config.yaml"

```

npci@node1:~$ #promtail config file for nginx
sudo curl -o /etc/promtail/promtail-config.yaml -L "https://gist.githubusercontent.com/theLazyCat775/6fe9125e529221166e9f02b00244638a/raw/84f510e6f62d0e60ab95d8e7f9732a629a27eb6d/promtail-config.yaml"
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  14.1k    100  14.1k    0     0    7.0k    0:00:02  0:00:01  0:00:01    7
npci@node1:~$

```

promtail-config.yaml

server:

http_listen_port: 9080

grpc_listen_port: 0

positions:

filename: /etc/promtail/positions.yaml

clients:

- url: http://localhost:3100/loki/api/v1/push

scrape_configs:

- job_name: nginx

static_configs:

- targets:

- localhost

labels:

job: nginx
hostname: your-hostname
__path__: /var/log/nginx/*.log

Configure Promtail to run as a service.

#Create a file called promtail.service

sudo vi /etc/systemd/system/promtail.service

```
npci@node1:~$ sudo nano /etc/systemd/system/promtail.service
npci@node1:~$ sudo nano /etc/systemd/system/promtail.service
```

Add the script and save.

[Unit]

Description=Promtail service

After=network.target

[Service]

Type=simple

User=root

ExecStart=/usr/local/bin/promtail -config.file /etc/promtail/promtail-config.yaml

Restart=on-failure

RestartSec=20

StandardOutput=append:/etc/promtail/logs/promtail.log

StandardError=append:/etc/promtail/logs/promtail.log

[Install]

WantedBy=multi-user.target

Run below command to start promtail as a service.

sudo systemctl daemon-reload #To reload systemd

sudo systemctl start promtail #to start promtail

sudo systemctl status promtail #to check status

sudo systemctl restart promtail #to restart