

Install Loki Binary and Start as a Service

Download and Install Loki Binary

To keep this as simple as possible, we will install the Loki binary as a service on our existing Grafana server.

```
cd /usr/local/bin
sudo curl -fSL -o loki.gz
"https://github.com/grafana/loki/releases/download/v0.4.0/loki-linux-amd64.gz"
sudo gunzip loki.gz
```

And allow the execute permission on the Loki binary

```
sudo chmod a+x loki
```

Create the Loki config

Now create the Loki config file.

```
sudo nano config-loki.yml
```

And add this text

```
auth_enabled: false

server:
  http_listen_port: 3100

ingester:
  lifecycler:
    address: 127.0.0.1
    ring:
      kvstore:
        store: inmemory
      replication_factor: 1
    final_sleep: 0s
  chunk_idle_period: 5m
  chunk_retain_period: 30s

schema_config:
  configs:
    - from: 2018-04-15
      store: boltdb
```

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```
object_store: filesystem
schema: v9
index:
  prefix: index_
  period: 168h

storage_config:
  boltdb:
    directory: /tmp/loki/index

  filesystem:
    directory: /tmp/loki/chunks

limits_config:
  enforce_metric_name: false
  reject_old_samples: true
  reject_old_samples_max_age: 168h

chunk_store_config:
  max_look_back_period: 0

table_manager:
  chunk_tables_provisioning:
    inactive_read_throughput: 0
    inactive_write_throughput: 0
    provisioned_read_throughput: 0
    provisioned_write_throughput: 0
  index_tables_provisioning:
    inactive_read_throughput: 0
    inactive_write_throughput: 0
    provisioned_read_throughput: 0
    provisioned_write_throughput: 0
  retention_deletes_enabled: false
  retention_period: 0
```

Test Loki is now running,

You can now test Loki by running

```
sudo loki -config.file /usr/local/bin/config-loki.yml
```

Open a browser and visit,

[http://\[Your Grafana Server Domain or IP\]:3100/metrics](http://[Your Grafana Server Domain or IP]:3100/metrics)

Now stop the Loki server by pressing **CTRL-C**. Note that it may take a minute for the process to stop.

Configure Firewall

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When your Loki server is running, it will be accessible remotely. If you only want localhost to be able to connect, then type

```
iptables -A INPUT -p tcp -s localhost --dport 3100 -j ACCEPT
iptables -A INPUT -p tcp --dport 3100 -j DROP
iptables -L
```

Configure Loki as a Service

Now we will configure Loki as a service so that we can keep it running in the background.

Create a file called *loki.service*

```
sudo nano /etc/systemd/system/loki.service
```

Add the script and save

```
[Unit]
Description=Loki service
After=network.target

[Service]
Type=simple
ExecStart=/usr/local/bin/loki -config.file /usr/local/bin/config-loki.yml

[Install]
WantedBy=multi-user.target
```

Now start and check the service is running.

```
sudo service loki start
sudo service loki status
```

You can also stop the new Loki service using

```
sudo service loki stop
sudo service loki status
```

Note it may take a minute to stop

We can now leave the new Loki service running.