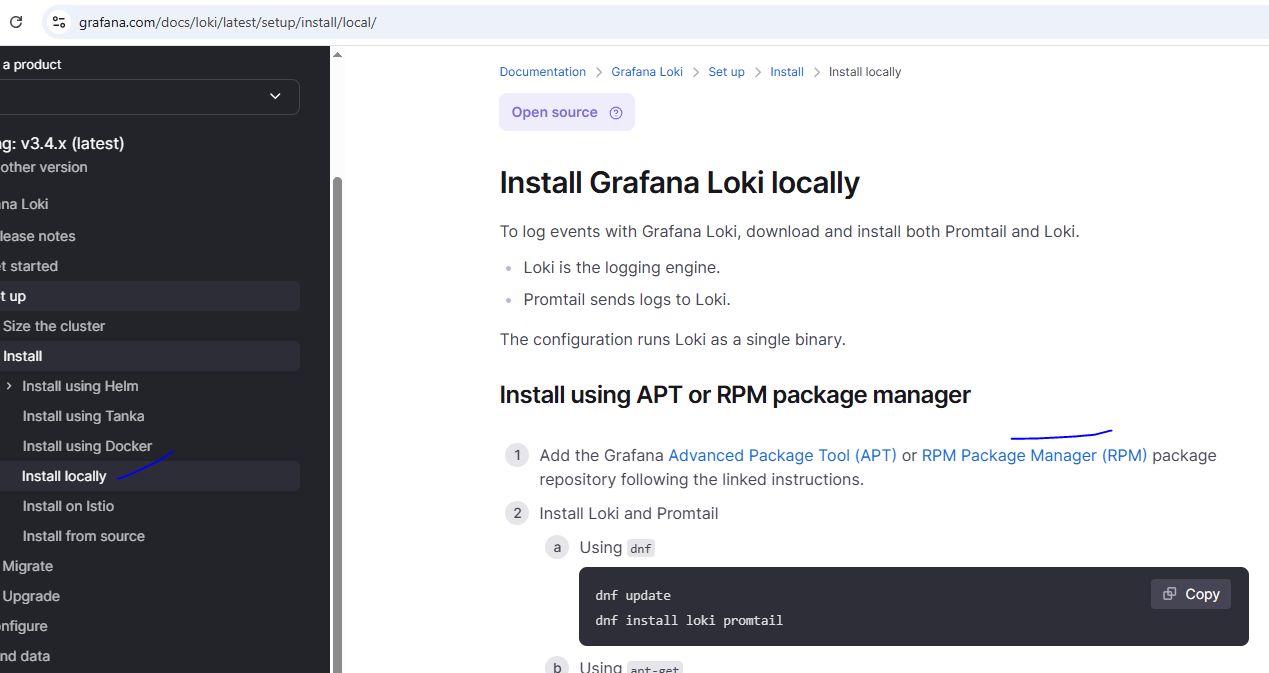
Loki

Sever 🡨-🡪 client Arch

@ Server:

# Configure grafana repo

<https://grafana.com/docs/loki/latest/setup/install/local/>



<https://rpm.grafana.com/>

**yum/dnf**

# nano /etc/yum.repos.d/grafana.repo

[grafana]

name=grafana

baseurl=https://rpm.grafana.com

repo\_gpgcheck=1

enabled=1

gpgcheck=1

gpgkey=https://rpm.grafana.com/gpg.key

sslverify=1

sslcacert=/etc/pki/tls/certs/ca-bundle.crt

[root@master-pagolu-net ~]# dnf install loki promtail

Updating Subscription Management repositories.

Last metadata expiration check: 0:05:01 ago on Thu 17 Apr 2025 08:30:46 PM IST.

Dependencies resolved.

==============================================================================================================================================================================================================

Package Architecture Version Repository Size

==============================================================================================================================================================================================================

Installing:

loki x86\_64 3.4.3-1 grafana 32 M

promtail x86\_64 3.4.3-1 grafana 30 M

Transaction Summary

==============================================================================================================================================================================================================

Install 2 Packages

Total download size: 62 M

Installed size: 209 M

Is this ok [y/N]: y

Downloading Packages:

(1/2): loki-3.4.3.x86\_64.rpm 4.1 MB/s | 32 MB 00:07

(2/2): promtail-3.4.3.x86\_64.rpm 3.5 MB/s | 30 MB 00:08

--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Total 7.1 MB/s | 62 MB 00:08

grafana 21 kB/s | 2.4 kB 00:00

Importing GPG key 0x10458545:

Userid : "Grafana Labs <engineering@grafana.com>"

Fingerprint: B53A E77B ADB6 30A6 8304 6005 963F A277 1045 8545

From : https://rpm.grafana.com/gpg.key

Is this ok [y/N]: y

Key imported successfully

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

Preparing : 1/1

Installing : promtail-3.4.3-1.x86\_64 1/2

Running scriptlet: promtail-3.4.3-1.x86\_64 1/2

Post Install of a clean install

Reload the service unit from disk

Unmask the service

Set the preset flag for the service unit

Set the enabled flag for the service unit

Created symlink /etc/systemd/system/multi-user.target.wants/promtail.service → /etc/systemd/system/promtail.service.

Installing : loki-3.4.3-1.x86\_64 2/2

Running scriptlet: loki-3.4.3-1.x86\_64 2/2

Post Install of a clean install

Reload the service unit from disk

Unmask the service

Set the preset flag for the service unit

Set the enabled flag for the service unit

Created symlink /etc/systemd/system/multi-user.target.wants/loki.service → /etc/systemd/system/loki.service.

Verifying : loki-3.4.3-1.x86\_64 1/2

Verifying : promtail-3.4.3-1.x86\_64 2/2

Installed products updated.

Installed:

loki-3.4.3-1.x86\_64 promtail-3.4.3-1.x86\_64

Complete!

[root@master-pagolu-net ~]#

[root@master-pagolu-net ~]# firewall-cmd --add-port=3100/tcp --permanent

[root@master-pagolu-net ~]# firewall-cmd --reload

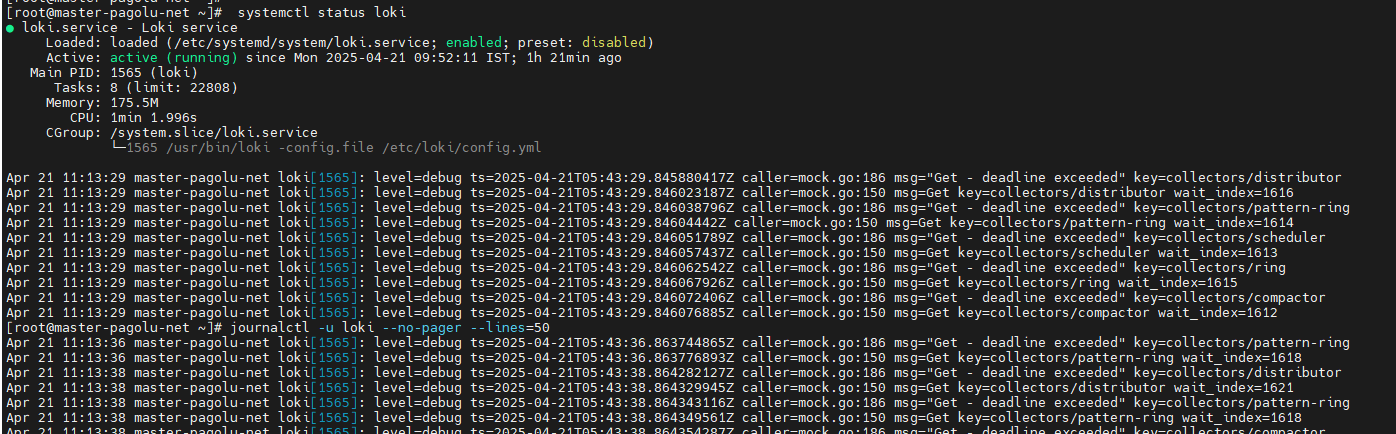
[root@master-pagolu-net ~]# firewall-cmd --list-ports | grep 3100

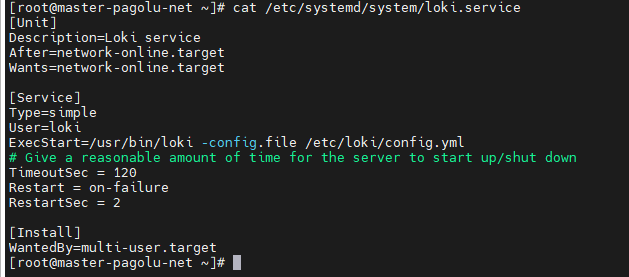
Check:

curl http://localhost:3100/

curl <http://localhost:3100/metrics>

[root@master-pagolu-net ~]#netstat -tulnp | grep 3100





On clients:

# Configure Grafana yum repo

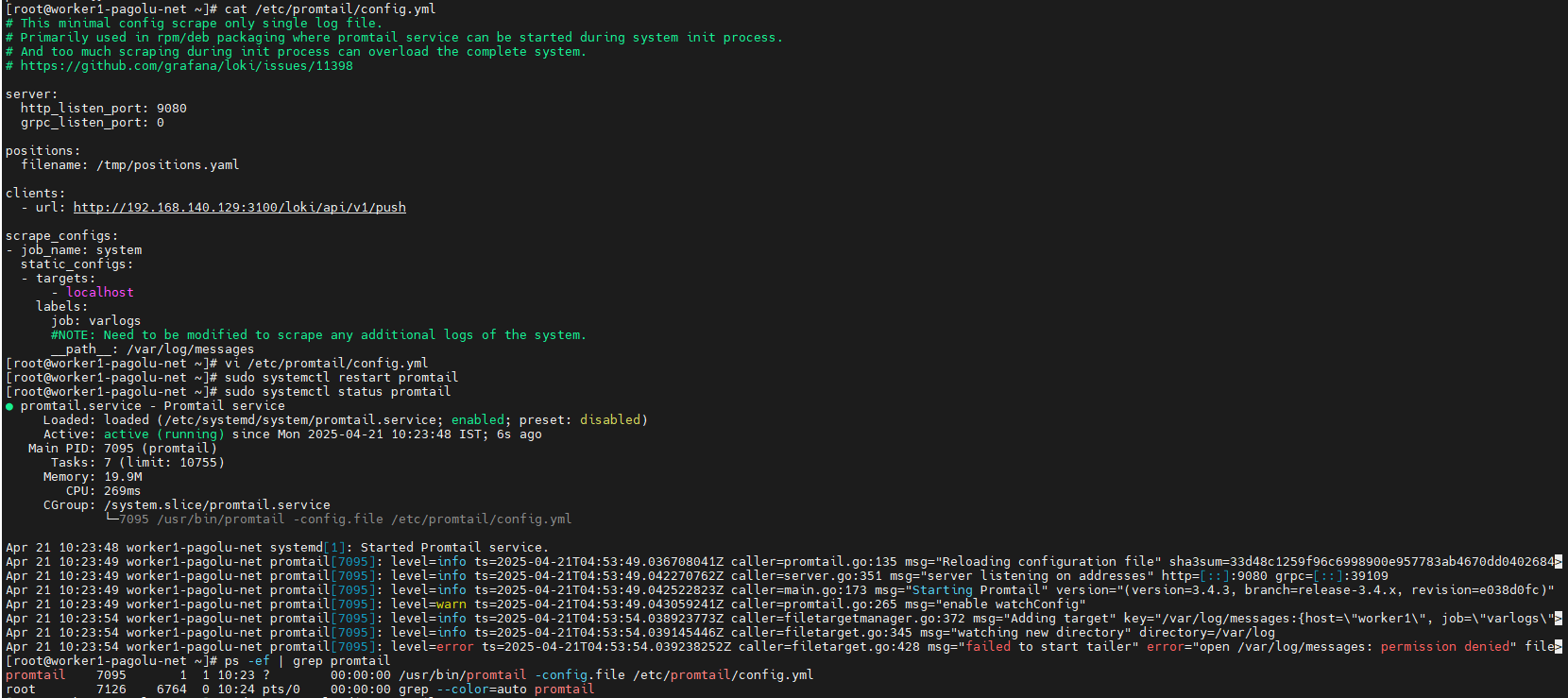
# Install promtail client

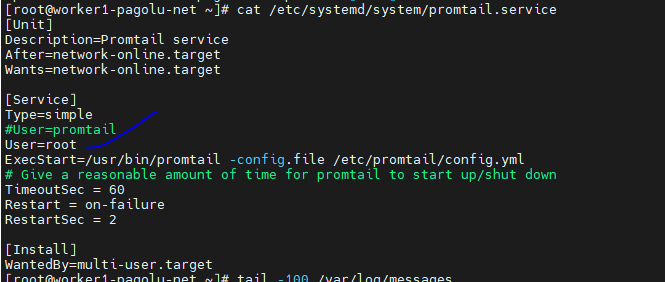
# update loki server IP in promatail config

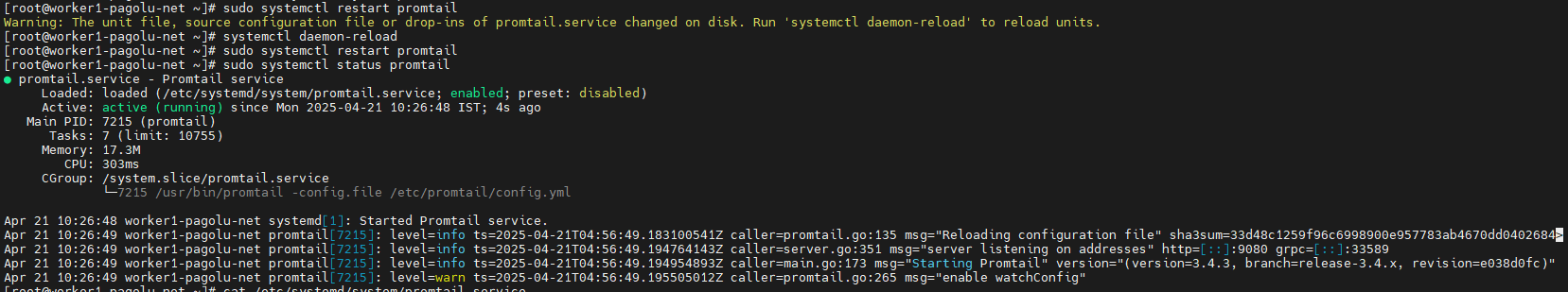
Restart promtail service

**Known Error:**  promtail service by default runs as “promtail” user , which don’t have access to files in /var/log.

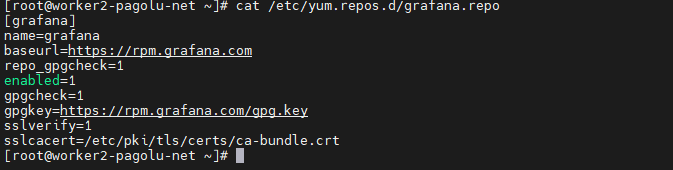
Fix it by change User in systemd files or add required permission to monitoring file or provide required sudo access …etc.

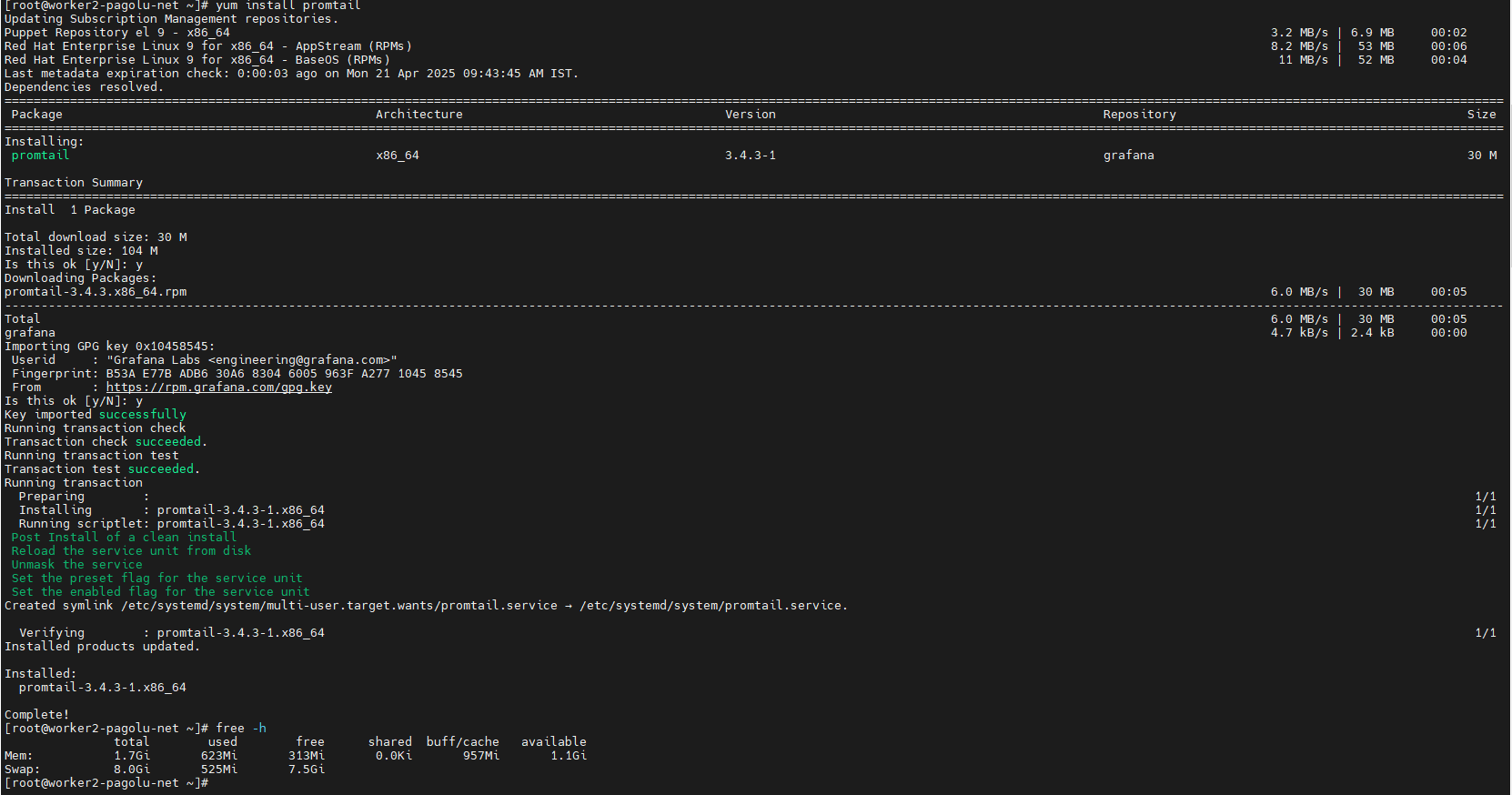


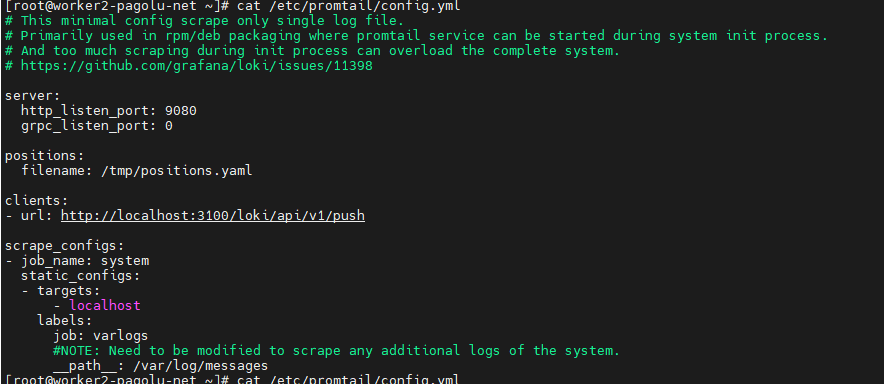




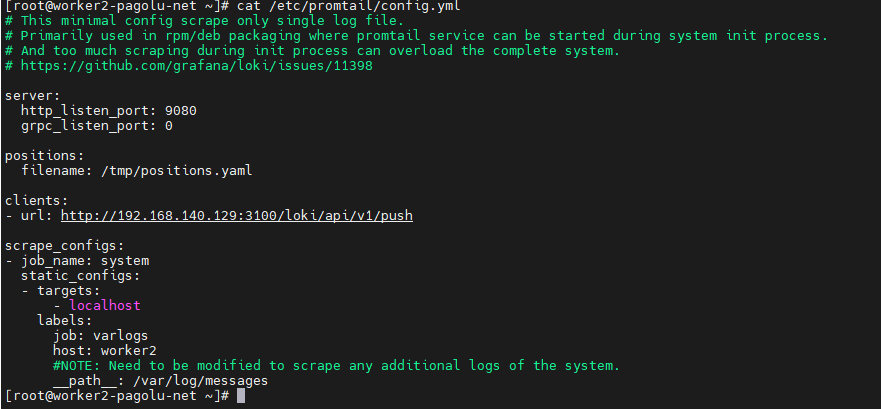
@node2:

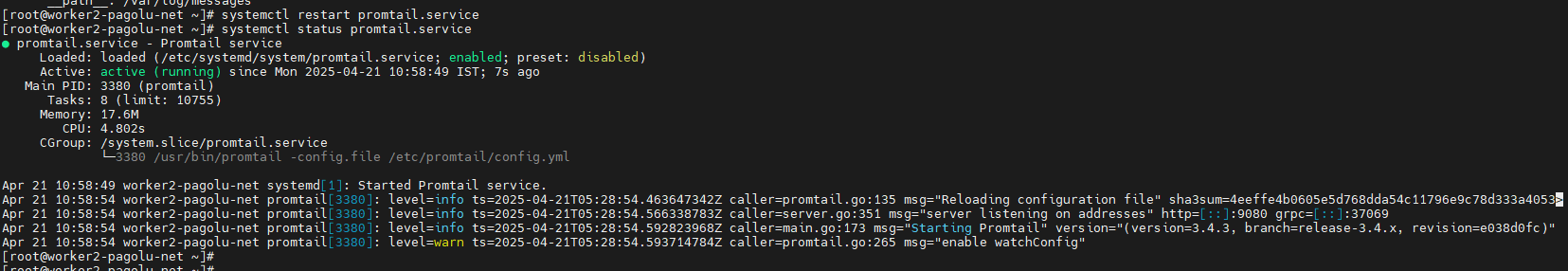




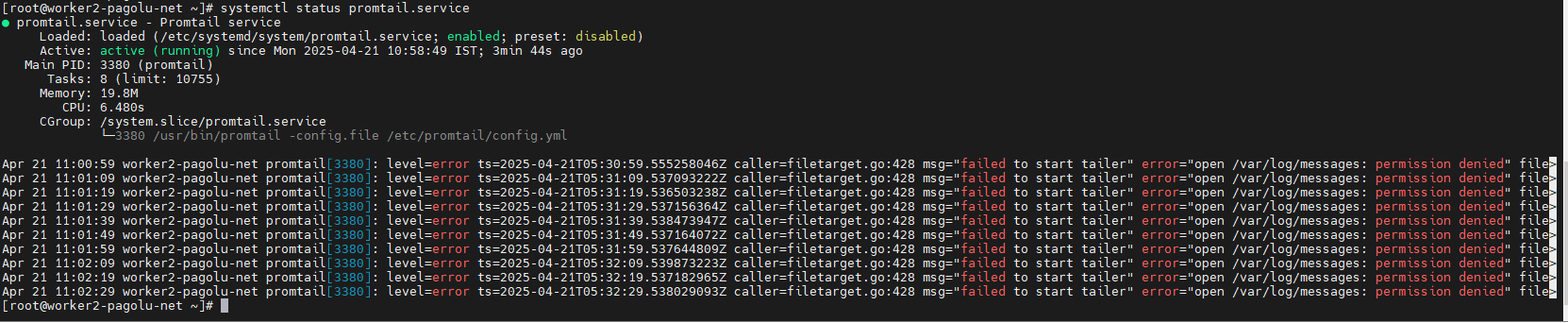


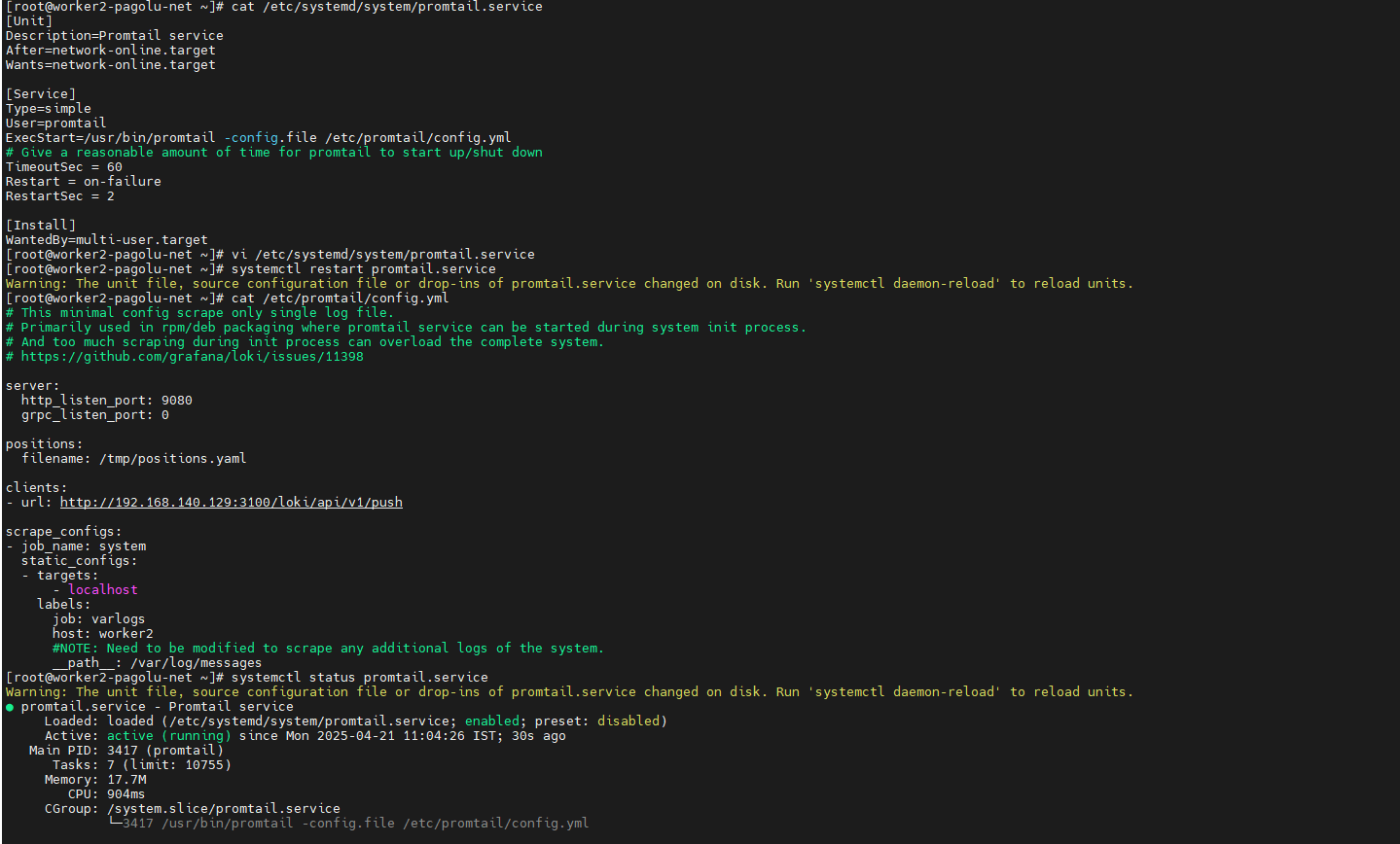
Update loki server config

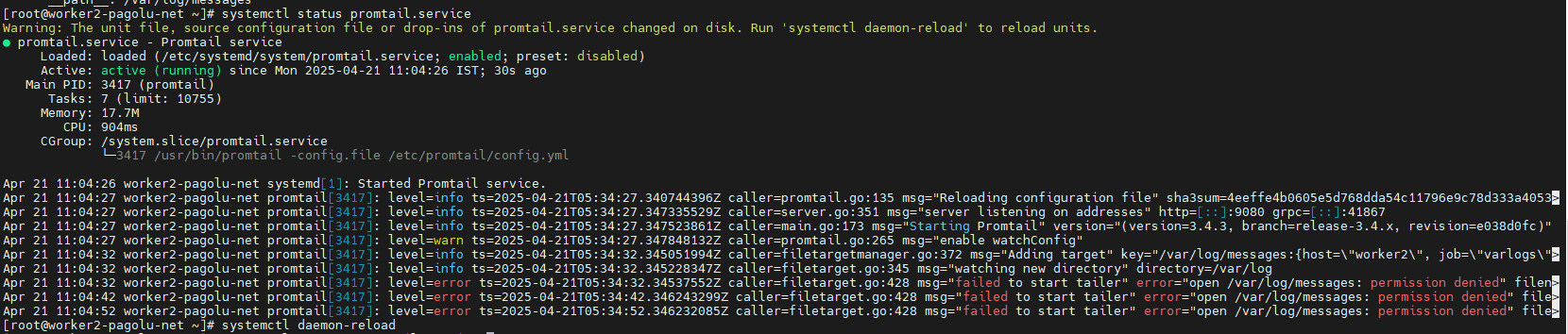


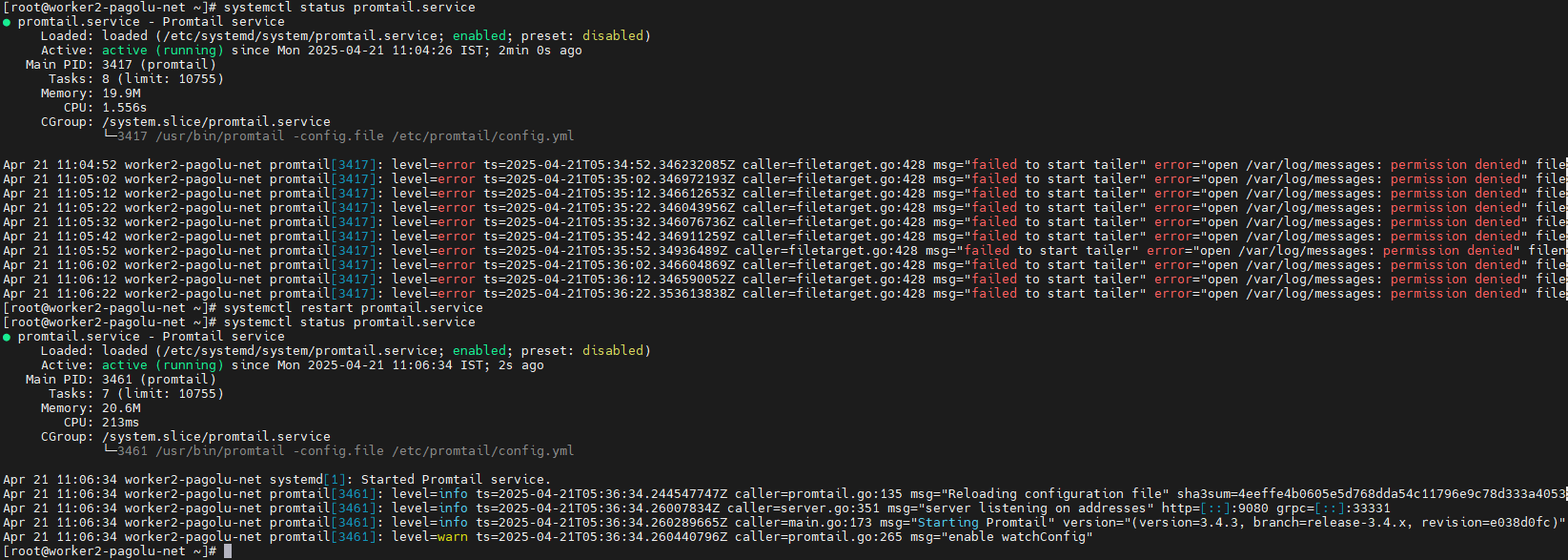


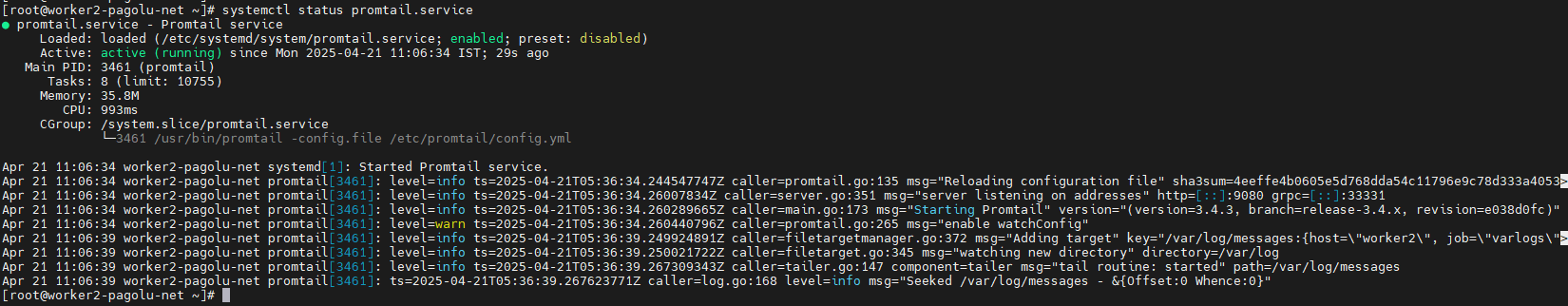
After with in min when promtail collecting logs it gets permission denied error



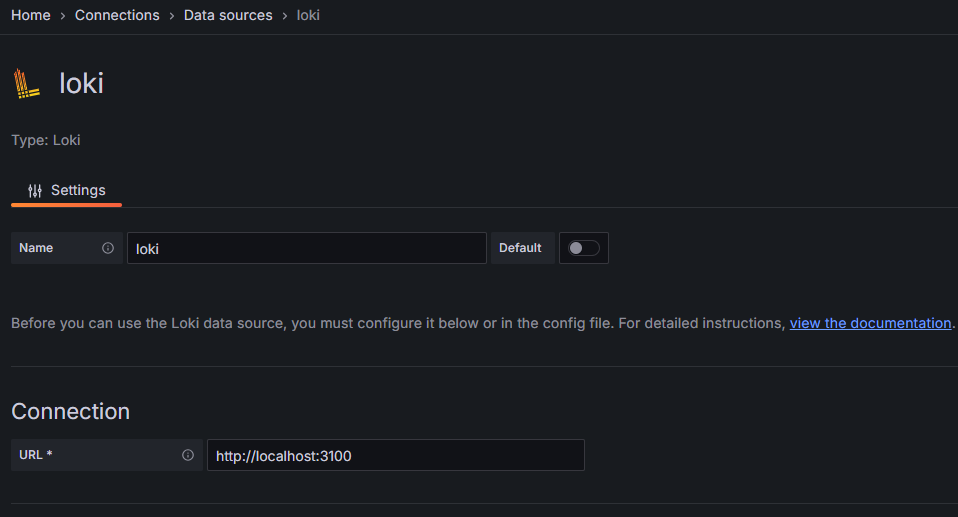


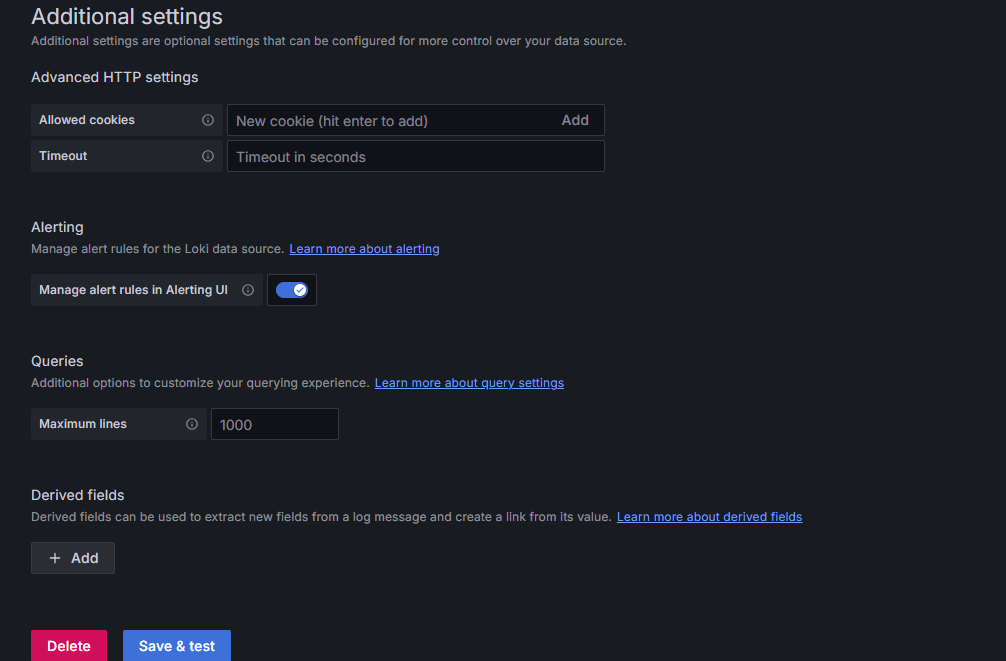






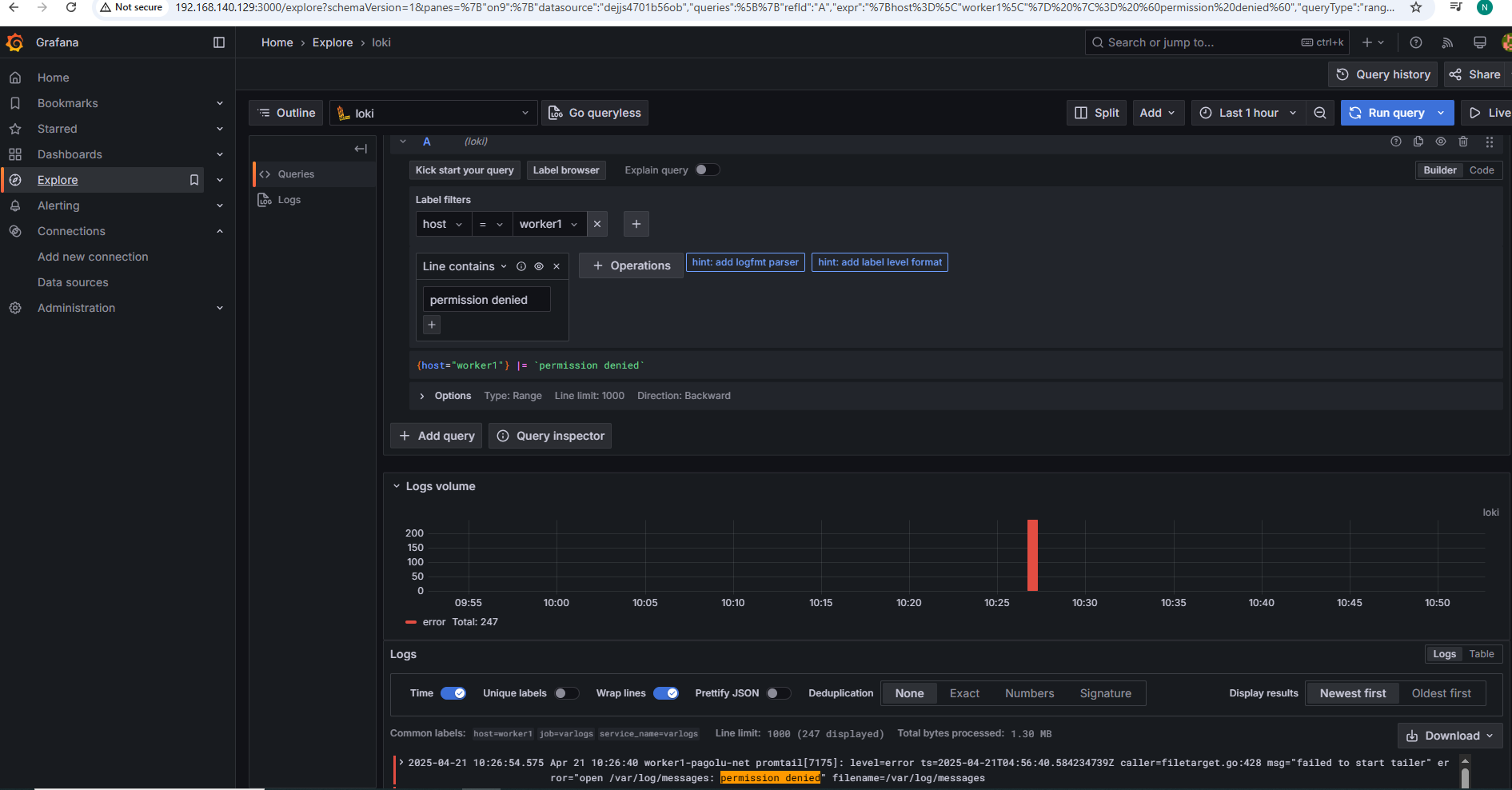
Add Dashboard:

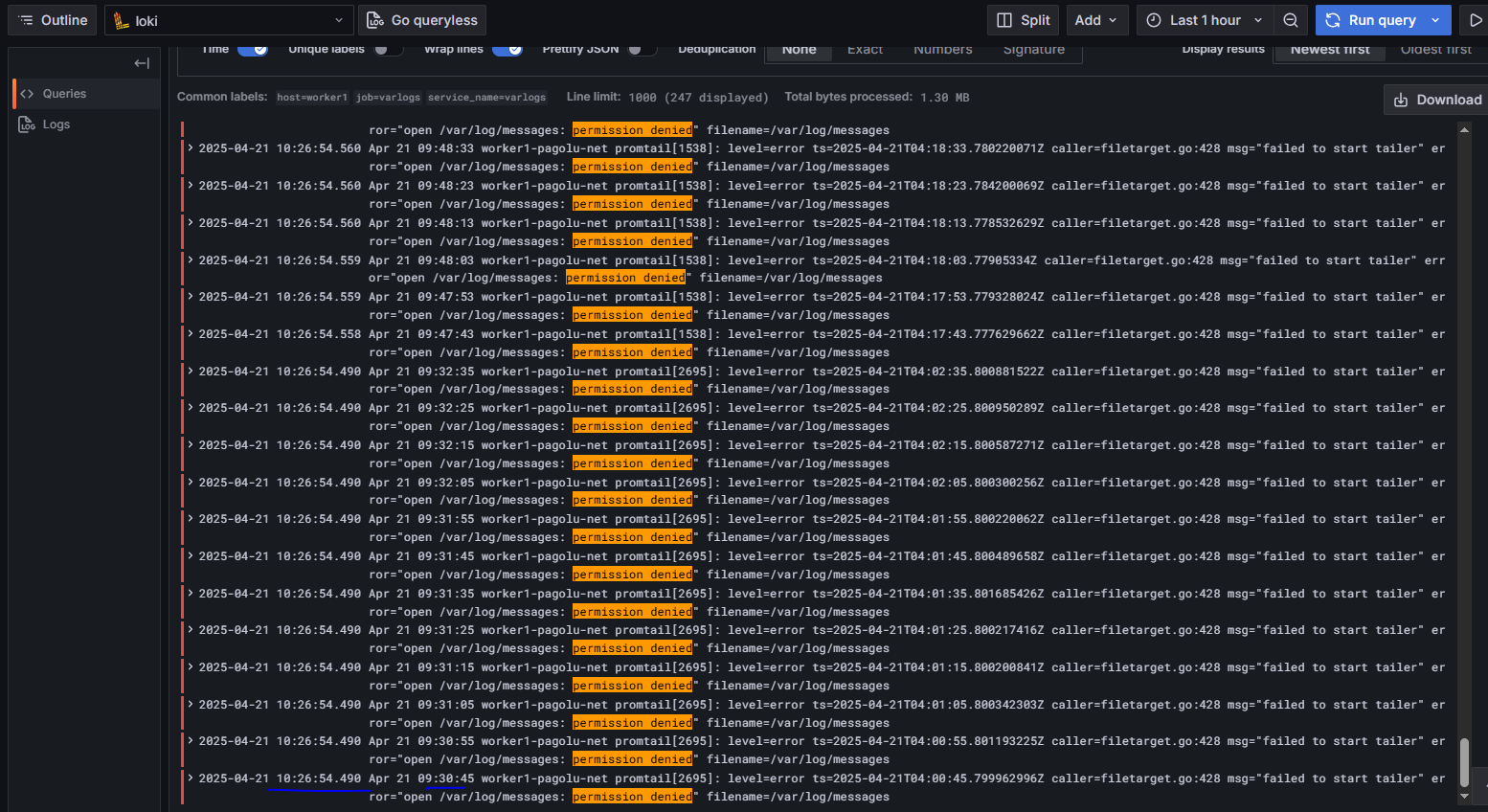


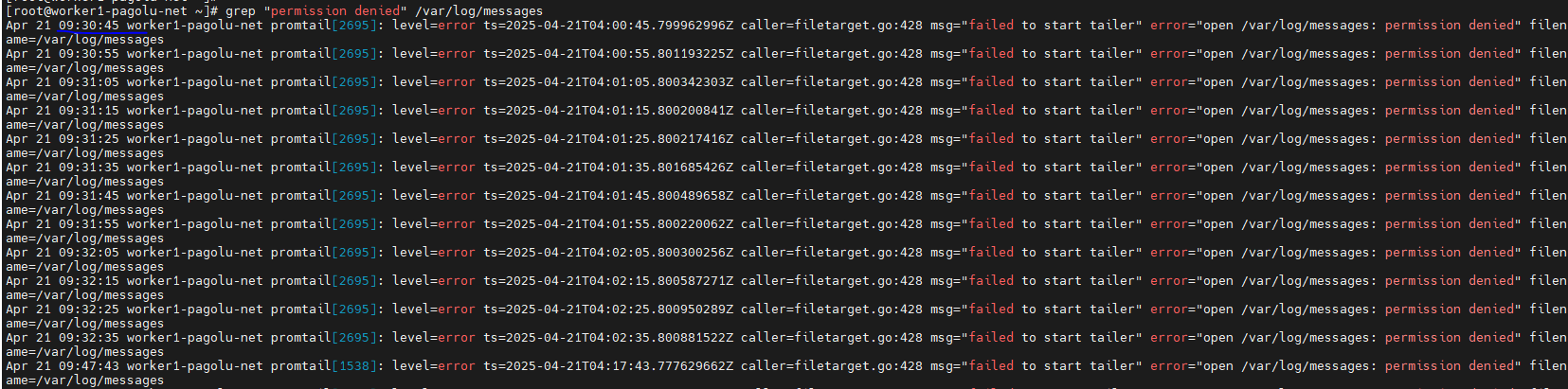


Save & Test – checks the connection( Grafana to loki)

Check in Grafana dashboard







To reset Grafana Dashboard password:

