give me proper setup in i am using in grafan in add data sourece in postgresql i need to add log in postgresql history status set up prometheus also

#### ChatGPT said:

ChatGPT

To set up **Grafana** with a **PostgreSQL** data source and integrate it with logs, history, status, and **Prometheus**, follow these steps:

## 1. Set up PostgreSQL as a Data Source in Grafana

1. Install Grafana:

For Debian/Ubuntu:

bash

Copy code

```
sudo apt-get install -y grafana
sudo systemctl start grafana-server
sudo systemctl enable grafana-server
```

0

#### 2. Access Grafana:

- Open http://<server-ip>:3000 in your browser.
- Default credentials: admin / admin.
- 3. Add PostgreSQL Data Source:
  - o Go to Configuration > Data Sources > Add data source.
  - Choose PostareSQL.
  - o Fill in the fields:
    - **Host**: localhost:5432 (or your PostgreSQL server address)
    - **Database**: Name of your database.
    - User: PostgreSQL username.
    - Password: Password for the PostgreSQL user.
    - **SSL Mode**: Choose based on your setup (e.g., disable for localhost).
- 4. Test & Save.

# 2. Add Logs and History in PostgreSQL

#### **Create a Table for Logs:**

sql

Copy code

```
CREATE TABLE logs (
```

```
id SERIAL PRIMARY KEY,
    timestamp TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    status TEXT,
    message TEXT
);
   1.
Insert Data (Optional):
sql
Copy code
INSERT INTO logs (status, message) VALUES ('INFO', 'Grafana PostgreSQL
setup successful');
   2.
   3. Query Logs in Grafana:
         o Create a new panel.
Use the query:
sql
Copy code
SELECT
  timestamp AS time,
  status,
  message
FROM logs
ORDER BY timestamp DESC;
  4. Visualize Logs:
         o Choose the Table or Graph visualization.
```

# 3. Set Up Prometheus

1. Install Prometheus:

Download and configure Prometheus: bash Copy code wget

```
https://github.com/prometheus/prometheus/releases/download/v2.47.0/pro
metheus-2.47.0.linux-amd64.tar.gz
tar -xvzf prometheus-2.47.0.linux-amd64.tar.gz
cd prometheus-2.47.0.linux-amd64
./prometheus --config.file=prometheus.yml
  2. Add PostgreSQL Exporter:
Install the PostgreSQL Exporter:
bash
Copy code
wget
https://github.com/prometheus-community/postgres_exporter/releases/dow
nload/v0.13.0/postgres_exporter-0.13.0.linux-amd64.tar.gz
tar -xvzf postgres_exporter-0.13.0.linux-amd64.tar.gz
./postgres_exporter --data-source-name="user=postgres
password=<password> host=localhost port=5432 dbname=<database>"
Add PostgreSQL Exporter to Prometheus configuration:
yaml
Copy code
scrape_configs:
  - job_name: 'postgres'
    static_configs:
      - targets: ['localhost:9187']
  3. Add Prometheus as a Data Source in Grafana:

    Go to Configuration > Data Sources > Add data source.

    Choose Prometheus.

        URL: http://localhost:9090.
  4. Create Panels:
Query example for PostgreSQL metrics:
promql
Copy code
pg_stat_database_connections{datname="your_database_name"}
```

0

# 4. Combine PostgreSQL Logs and Prometheus Metrics

- Create dashboards with:
  - o Prometheus metrics (e.g., CPU, memory, database connections).
  - o PostgreSQL queries (e.g., logs, status, history).
- Use Grafana **Alerts** to notify about anomalies:
  - Create conditions based on Prometheus or PostgreSQL metrics.
  - Configure alert channels (e.g., email, Slack).

Let me know if you'd like detailed assistance with any specific step!

40

#### You said:

all setup in live database i need to loki also in log not in localhost live ip this is postgresql ip 192.168.6.208:5432 all core set up in ubuntu

#### ChatGPT said:

ChatGPT

To set up **Grafana** with a live **PostgreSQL** database on IP 192.168.6.208:5432 and integrate it with **Loki** for logging, along with Prometheus for monitoring, follow the comprehensive steps below. This setup assumes an Ubuntu environment.

# 1. Install and Configure PostgreSQL Exporter

To monitor the live PostgreSQL database, use the PostgreSQL Exporter.

### Install PostgreSQL Exporter:

```
bash
```

Copy code

wget

```
https://github.com/prometheus-community/postgres_exporter/releases/download/v0.13.0/postgres_exporter-0.13.0.linux-amd64.tar.gz
tar -xvzf postgres_exporter-0.13.0.linux-amd64.tar.gz
mv postgres_exporter /usr/local/bin/
```

```
Set Up Data Source for Exporter: Create a PostgreSQL user with read-only permissions:
sql
Copy code
CREATE USER exporter WITH PASSWORD 'exporter_password';
GRANT CONNECT ON DATABASE your_database TO exporter;
GRANT SELECT ON ALL TABLES IN SCHEMA public TO exporter;
ALTER DEFAULT PRIVILEGES IN SCHEMA public GRANT SELECT ON TABLES TO
exporter;
   2.
Run PostgreSQL Exporter:
bash
Copy code
postgres_exporter
--data-source-name="postgresql://exporter:exporter_password@192.168.6.
208:5432/your_database" &
   3. The exporter will run on port 9187 by default.
2. Install Prometheus
Download and Install Prometheus:
bash
Copy code
wget
https://github.com/prometheus/prometheus/releases/download/v2.47.0/pro
metheus-2.47.0.linux-amd64.tar.gz
tar -xvzf prometheus-2.47.0.linux-amd64.tar.gz
mv prometheus-2.47.0.linux-amd64 /usr/local/bin/prometheus
   1.
Configure Prometheus: Edit the configuration file prometheus.yml:
yaml
Copy code
qlobal:
```

scrape\_interval: 15s

scrape\_configs:

```
- job_name: 'postgres'
    static_configs:
      - targets: ['192.168.6.208:9187']
   2.
Start Prometheus:
bash
Copy code
./prometheus --config.file=prometheus.yml &
   3. Prometheus will run on port 9090 by default.
3. Install Loki for Centralized Logging
Install Loki:
bash
Copy code
wget
https://github.com/grafana/loki/releases/download/v2.9.1/loki-linux-am
d64.zip
unzip loki-linux-amd64.zip
chmod +x loki-linux-amd64
mv loki-linux-amd64 /usr/local/bin/loki
   1.
Configure Loki: Create a configuration file loki-config.yaml:
yaml
Copy code
server:
  http_listen_port: 3100
ingester:
  wal:
    enabled: true
```

chunk\_idle\_period: 5m

chunk\_target\_size: 1572864

max\_chunk\_age: 1h

```
schema_config:
  configs:
    - from: 2022-05-01
      store: boltdb-shipper
      object_store: filesystem
      schema: v11
      index:
        prefix: index_
        period: 24h
storage_config:
  boltdb_shipper:
    active_index_directory: /tmp/loki/boltdb-shipper-active
    cache_location: /tmp/loki/boltdb-shipper-cache
    shared_store: filesystem
  filesystem:
    directory: /tmp/loki/chunks
limits_config:
  retention_period: 30d
chunk_store_config:
  max_look_back_period: 0s
  2.
Run Loki:
bash
Copy code
loki --config.file=loki-config.yaml &
  3. Loki will run on port 3100.
```

# 4. Configure Grafana

### Install Grafana:

bash

```
Copy code
```

```
sudo apt-get install grafana
sudo systemctl start grafana-server
sudo systemctl enable grafana-server
```

1.

### 2. Access Grafana:

- Open: http://<your-live-ip>:3000.
- Default credentials: admin / admin.

#### 3. Add Data Sources:

- PostgreSQL:
  - Navigate to Configuration > Data Sources > Add data source.
  - Select **PostgreSQL** and configure:
    - Host: 192.168.6.208:5432
    - Database: your\_database
    - User: exporter
    - Password: exporter\_password
    - SSL: **Disable** (if no SSL is used).
  - Test and save.
- o Prometheus:
  - Navigate to Configuration > Data Sources > Add data source.
  - Select **Prometheus**.
  - URL: http://<your-live-ip>:9090.
  - Test and save.
- o Loki:
  - Navigate to Configuration > Data Sources > Add data source.
  - Select Loki.
  - URL: http://<your-live-ip>:3100.
  - Test and save.

#### 4. Create Dashboards:

For PostgreSQL Logs:

Use queries like:

sql

Copy code

SELECT timestamp AS time, status, message FROM logs
ORDER BY timestamp DESC;

o For Prometheus Metrics:

# 5. Set Up Alerts in Grafana

- 1. Navigate to Alerts:
  - o Create alerts based on Prometheus or PostgreSQL metrics.

```
For example, alert when PostgreSQL connections exceed a threshold: promql
Copy code
pg_stat_database_connections{datname="your_database"} > 50

o
```

2. Set Notification Channels:

o Configure email, Slack, or other integrations.

# 6. Finalize Security

- 1. Secure Grafana:
  - o Enable HTTPS for Grafana.
  - Configure strong passwords for all accounts.
- 2. Firewall Rules:
  - o Open only necessary ports (5432, 9090, 3100, 3000).

```
Use ufw:
bash
Copy code
sudo ufw allow 5432/tcp
sudo ufw allow 9090/tcp
sudo ufw allow 3100/tcp
sudo ufw allow 3000/tcp
```

Let me know if further details are needed!

40

#### You said:

my live database in another pc then you give me proper setup

#### ChatGPT said:

ChatGPT

Here's the step-by-step guide for setting up **Grafana**, **Loki**, **Prometheus**, and connecting to a live PostgreSQL database hosted on another PC with IP 192.168.6.208:5432. This guide ensures a complete setup for monitoring, logging, and visualization.

# 1. Prerequisites

sudo ufw allow 5432/tcp

• Ensure the database server (192.168.6.208) allows incoming connections:

```
Edit the PostgreSQL configuration file (postgresql.conf):
conf
Copy code
listen_addresses = '*'
         0
Add the client IP of your Grafana/Prometheus server in pg_hba.conf:
conf
Copy code
host all all <Grafana_Server_IP>/32 md5
         0
Restart PostgreSQL:
bash
Copy code
sudo systemctl restart postgresql
         0
Open the PostgreSQL port (5432) on the database server:
bash
Copy code
```

## 2. Install and Configure PostgreSQL Exporter

To monitor the PostgreSQL database from Grafana via Prometheus:

```
Download PostgreSQL Exporter: On the server hosting Prometheus:
bash
Copy code
wget
https://github.com/prometheus-community/postgres_exporter/releases/dow
nload/v0.13.0/postgres_exporter-0.13.0.linux-amd64.tar.gz
tar -xvzf postgres_exporter-0.13.0.linux-amd64.tar.gz
sudo mv postgres_exporter /usr/local/bin/
   1.
Create a Read-Only User in PostgreSQL: On the database server (192.168.6.208):
sql
Copy code
CREATE USER exporter WITH PASSWORD 'exporter_password';
GRANT CONNECT ON DATABASE your_database TO exporter;
GRANT SELECT ON ALL TABLES IN SCHEMA public TO exporter;
ALTER DEFAULT PRIVILEGES IN SCHEMA public GRANT SELECT ON TABLES TO
exporter;
  2.
Run PostgreSQL Exporter: On the Prometheus server:
bash
Copy code
postgres_exporter
--data-source-name="postgresql://exporter:exporter_password@192.168.6.
208:5432/your_database" &
  3. The exporter runs on port 9187 by default.
```

# 3. Install and Configure Prometheus

```
Install Prometheus:
bash
Copy code
wget
https://github.com/prometheus/prometheus/releases/download/v2.47.0/pro
metheus-2.47.0.linux-amd64.tar.gz
tar -xvzf prometheus-2.47.0.linux-amd64.tar.gz
sudo mv prometheus-2.47.0.linux-amd64 /usr/local/bin/prometheus
   1.
Edit Prometheus Configuration: Create or edit prometheus.yml:
yaml
Copy code
global:
  scrape_interval: 15s
scrape_configs:
  - job_name: 'postgres'
    static_configs:
      - targets: ['192.168.6.208:9187']
   2.
Start Prometheus:
bash
Copy code
prometheus --config.file=prometheus.yml &
   3. Prometheus runs on port 9090.
4. Install and Configure Loki
Install Loki:
bash
Copy code
wget
https://github.com/grafana/loki/releases/download/v2.9.1/loki-linux-am
```

d64.zip

unzip loki-linux-amd64.zip
chmod +x loki-linux-amd64

```
sudo mv loki-linux-amd64 /usr/local/bin/loki
  1.
Create Loki Configuration: Create loki-config.yaml:
yaml
Copy code
server:
  http_listen_port: 3100
ingester:
 wal:
    enabled: true
  chunk_idle_period: 5m
 max_chunk_age: 1h
  chunk_target_size: 1572864
schema_config:
  configs:
    - from: 2022-05-01
      store: boltdb-shipper
      object_store: filesystem
      schema: v11
      index:
        prefix: index_
        period: 24h
storage_config:
  boltdb_shipper:
    active_index_directory: /var/lib/loki/boltdb-shipper-active
    cache_location: /var/lib/loki/boltdb-shipper-cache
    shared_store: filesystem
  filesystem:
    directory: /var/lib/loki/chunks
limits_config:
  retention_period: 30d
```

2.

#### Run Loki:

bash

Copy code

loki --config.file=loki-config.yaml &

3. Loki runs on port 3100.

## 5. Install and Configure Grafana

#### Install Grafana:

bash

Copy code

```
sudo apt-get update
sudo apt-get install grafana
sudo systemctl start grafana-server
sudo systemctl enable grafana-server
```

1.

- 2. **Access Grafana**: Open http://<Grafana\_Server\_IP>:3000 in your browser. Default credentials: admin/admin.
- 3. Add Data Sources:
  - PostgreSQL:
    - Navigate to Configuration > Data Sources > Add data source.
    - Select **PostgreSQL**.
    - Fill in the details:
      - **Host**: 192.168.6.208:5432
      - Database: your\_database
      - User: exporter
      - Password: exporter\_password
      - SSL Mode: disable (if no SSL).
    - Test and save.
  - o Prometheus:
    - Navigate to Configuration > Data Sources > Add data source.
    - Select **Prometheus**.
    - URL: http://<Prometheus\_Server\_IP>:9090.
    - Test and save.
  - o Loki:
    - Navigate to Configuration > Data Sources > Add data source.
    - Select Loki.
    - URL: http://<Grafana\_Server\_IP>:3100.
    - Test and save.

#### 4. Create Dashboards:

```
PostgreSQL Logs:
sql
Copy code
SELECT timestamp AS time, status, message
FROM logs
ORDER BY timestamp DESC;

O

Prometheus Metrics:
promql
Copy code
pg_stat_database_connections{datname="your_database"}
```

# 6. Secure the Setup

Firewall Rules: On the database server:

bash

Copy code

sudo ufw allow from <Grafana\_Server\_IP> to any port 5432

On the Grafana server:

bash

Copy code

```
sudo ufw allow 3000/tcp
sudo ufw allow 3100/tcp
sudo ufw allow 9090/tcp
```

1.

2. Enable HTTPS for Grafana: Configure SSL certificates for secure access to Grafana.

With this setup, Grafana will monitor metrics from Prometheus, logs from Loki, and query live PostgreSQL data from the external database (192.168.6.208:5432). Let me know if further clarification is needed!

40

You said:

You set by set in introction which setup in my pc live database means another pc

#### ChatGPT said:

ChatGPT

Here's a clear **step-by-step guide** to set up monitoring and logging for a **live PostgreSQL database** hosted on another PC (192.168.6.208) using **Grafana**, **Prometheus**, and **Loki**. This guide assumes you are setting up everything on your local PC (Ubuntu) while connecting to the live database on the other PC.

## Step 1: Verify Connectivity to the Live PostgreSQL Database

Test Database Connectivity: From your local PC, run:

bash

Copy code

```
psql -h 192.168.6.208 -U your_username -d your_database
```

- 1. Replace your\_username and your\_database with your PostgreSQL credentials. If the connection fails, ensure:
  - PostgreSQL on 192.168.6.208 is configured to accept remote connections.

pg\_hba.conf on the database server includes your local PC's IP:

conf

Copy code

```
host all all <your_local_ip>/32 md5
```

0

 PostgreSQL is listening on all interfaces (listen\_addresses = '\*' in postgresql.conf).

Port 5432 is open on the database server's firewall:

bash

Copy code

```
sudo ufw allow 5432/tcp
```

0

# Step 2: Install PostgreSQL Exporter on Your PC

PostgreSQL Exporter will gather metrics from the live database.

#### **Download and Install Exporter:**

bash

Copy code

wget

https://github.com/prometheus-community/postgres\_exporter/releases/dow nload/v0.13.0/postgres\_exporter-0.13.0.linux-amd64.tar.gz tar -xvzf postgres\_exporter-0.13.0.linux-amd64.tar.gz sudo mv postgres\_exporter /usr/local/bin/

1.

# **Create a Monitoring User on the Database Server**: On the database server (192.168.6.208): sql

Copy code

CREATE USER exporter WITH PASSWORD 'exporter\_password';
GRANT CONNECT ON DATABASE your\_database TO exporter;
GRANT SELECT ON ALL TABLES IN SCHEMA public TO exporter;
ALTER DEFAULT PRIVILEGES IN SCHEMA public GRANT SELECT ON TABLES TO exporter;

2.

## Run PostgreSQL Exporter on Your PC:

bash

Copy code

postgres\_exporter
--data-source-name="postgresgl://exporter:

3. The exporter runs on port 9187 by default.

# **Step 3: Install and Configure Prometheus**

#### **Download and Install Prometheus:**

bash

Copy code

wget

https://github.com/prometheus/prometheus/releases/download/v2.47.0/prometheus-2.47.0.linux-amd64.tar.gz
tar -xvzf prometheus-2.47.0.linux-amd64.tar.gz

sudo mv prometheus-2.47.0.linux-amd64 /usr/local/bin/prometheus

```
Create Prometheus Configuration: Edit prometheus.yml to include the PostgreSQL Exporter:
yaml
Copy code
global:
    scrape_interval: 15s

scrape_configs:
    - job_name: 'postgres'
    static_configs:
        - targets: ['localhost:9187']

2.

Start Prometheus:
bash
Copy code
prometheus --config.file=prometheus.yml &
```

# Step 4: Install and Configure Loki

3. Prometheus runs on port 9090.

Loki will collect logs for visualization in Grafana.

#### Download and Install Loki:

```
bash
Copy code
wget
https://github.com/grafana/loki/releases/download/v2.9.1/loki-linux-am
d64.zip
unzip loki-linux-amd64.zip
chmod +x loki-linux-amd64
sudo mv loki-linux-amd64 /usr/local/bin/loki

1.
```

# **Create Loki Configuration**: Create loki-config.yaml: yaml

```
Copy code
server:
  http_listen_port: 3100
ingester:
 wal:
    enabled: true
  chunk_idle_period: 5m
 max_chunk_age: 1h
  chunk_target_size: 1572864
schema_config:
  configs:
    - from: 2022-05-01
      store: boltdb-shipper
      object_store: filesystem
      schema: v11
      index:
        prefix: index_
        period: 24h
storage_config:
  boltdb_shipper:
    active_index_directory: /var/lib/loki/boltdb-shipper-active
    cache_location: /var/lib/loki/boltdb-shipper-cache
    shared_store: filesystem
  filesystem:
    directory: /var/lib/loki/chunks
limits_config:
  retention_period: 30d
  2.
Run Loki:
bash
Copy code
loki --config.file=loki-config.yaml &
```

## Step 5: Install and Configure Grafana

#### Install Grafana:

```
bash
```

Copy code

```
sudo apt-get update
sudo apt-get install grafana
sudo systemctl start grafana-server
sudo systemctl enable grafana-server
```

1.

- 2. Access Grafana: Open http://<your\_local\_pc\_ip>:3000 in a browser. Default credentials: admin / admin.
- 3. Add Data Sources:
  - PostgreSQL:
    - Navigate to Configuration > Data Sources > Add data source.
    - Select **PostgreSQL** and configure:
      - Host: 192.168.6.208:5432
      - Database: your\_database
      - User: exporter
      - Password: exporter\_password
      - SSL Mode: Disable (if no SSL is configured).
    - Test and save.
  - o Prometheus:
    - Navigate to Configuration > Data Sources > Add data source.
    - Select Prometheus.
    - URL: http://localhost:9090.
    - Test and save.
  - o Loki:
    - Navigate to Configuration > Data Sources > Add data source.
    - Select Loki.
    - URL: http://localhost:3100.
    - Test and save.

# Step 6: Create Dashboards in Grafana

PostgreSQL Metrics: Use Prometheus metrics like:

promql

#### Copy code

```
pg_stat_database_connections{datname="your_database"}

1.
Logs via Loki: Query logs with:
plaintext
```

2.

Copy code

{job="postgresql"}

3. **Combine Metrics and Logs**: Create panels combining metrics from Prometheus and logs from Loki for better insights.

## **Step 7: Secure the Setup**

Firewall Rules: On your local PC:

bash

Copy code

```
sudo ufw allow 3000/tcp # Grafana
sudo ufw allow 3100/tcp # Loki
sudo ufw allow 9090/tcp # Prometheus
```

1.

2. Enable HTTPS for Grafana: Configure SSL for secure web access.

This setup integrates your live PostgreSQL database, logs, and metrics for monitoring and visualization in Grafana. Let me know if you need further clarification!

40

#### You said:

i am geting in promotheus.yml file configrtion problem then add live ip in database creting problem in site is not runing this problem creating t

#### **ChatGPT said:**

ChatGPT

Let's troubleshoot your **Prometheus configuration problem** step by step and ensure your site connects to the live PostgreSQL database properly. I'll also clarify how to correctly set up the prometheus.yml file to monitor the PostgreSQL Exporter.

# 1. Common Prometheus Configuration Errors

Check for these typical issues in your prometheus.yml file:

### 1. YAML Formatting Issues:

YAML is indentation-sensitive. Use 2 spaces for indentation and avoid tabs.

**Prometheus Logs**: Check Prometheus logs for errors:

bash

Copy code

sudo journalctl -u prometheus -f

3. Look for misconfigurations or invalid syntax.

# 2. Fix PostgreSQL Exporter Connection

Ensure the PostgreSQL Exporter is running and reachable by Prometheus.

## **Start PostgreSQL Exporter**: Run the exporter with the correct connection string:

bash

Copy code

```
postgres_exporter
--data-source-name="postgresql://exporter:exporter_password@192.168.6.
208:5432/your_database" &
```

 Replace exporter, exporter\_password, and your\_database with your credentials.

**Verify Exporter is Working**: Access the exporter metrics in a browser or via curl:

bash

Copy code

```
curl http://192.168.6.208:9187/metrics
```

- 2. You should see a list of metrics. If not:
  - Verify that the PostgreSQL credentials are correct.
  - Ensure the PostgreSQL database allows remote connections (pg\_hba.conf).

## 3. Prometheus Not Running or Connecting

If Prometheus isn't running or cannot connect:

## **Verify Prometheus Service**:

bash

Copy code

sudo systemctl status prometheus

1.

**Test Connection to Exporter**: From the Prometheus server, ensure the exporter is reachable:

bash

Copy code

```
curl http://192.168.6.208:9187/metrics
```

2.

Edit prometheus.yml: Ensure the IP and port of the PostgreSQL Exporter are correct:

yaml

Copy code

```
scrape_configs:
```

```
- job_name: 'postgresql'
```

```
static_configs:
    - targets: ['192.168.6.208:9187'] # PostgreSQL Exporter IP and port

3.

Reload Prometheus: After editing:
bash
Copy code
sudo systemctl reload prometheus

4.
```

# 4. Debugging the Website Issue

If your **Grafana or site isn't running**, ensure:

```
Grafana Service is Active:
```

```
bash
Copy code
sudo systemctl status grafana-server
If not, start it:
bash
Copy code
sudo systemctl start grafana-server

1.
```

Access Grafana: Open your browser and navigate to: arduino
Copy code
http://<your\_local\_pc\_ip>:3000

2. If it doesn't load:

Ensure your firewall allows port 3000: bash
Copy code
sudo ufw allow 3000/tcp

```
Verify Grafana logs for errors:
bash
Copy code
sudo journalctl -u grafana-server -f
```

## 5. Check PostgreSQL Server Settings

On the live PostgreSQL server (192.168.6.208):

1. Allow Remote Connections:

## Open PostgreSQL Port in Firewall:

```
bash
Copy code
sudo ufw allow 5432/tcp
```

3.

**Verify Database Access**: From your Ubuntu PC: bash

#### Copy code

```
psql -h 192.168.6.208 -U exporter -d your_database
```

# 6. Check Logs for Detailed Errors

For each service, check logs if issues persist:

## **Prometheus Logs:**

```
bash
```

Copy code

```
sudo journalctl -u prometheus -f
```

•

## **Grafana Logs**:

bash

Copy code

```
sudo journalctl -u grafana-server -f
```

•

## PostgreSQL Logs: Check logs on the live PostgreSQL server:

bash

Copy code

```
sudo tail -f /var/log/postgresql/postgresql-<version>-main.log
```

•

### Let Me Know What Issues Persist!

- Provide specific error messages or behaviors (e.g., Prometheus fails to start, Grafana cannot connect).
- Share logs or screenshots to help diagnose the problem further.

40