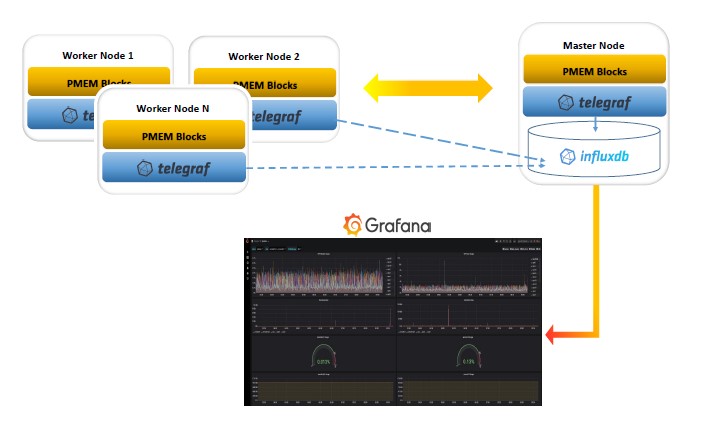
**PMEM-Monitoring Setup**



**InfluxDB Setup:**

**At Master Machine**

<https://docs.influxdata.com/influxdb/v1.8/introduction/install/>

wget -qO- https://repos.influxdata.com/influxdb.key | sudo apt-key add -

source /etc/lsb-release

echo "deb https://repos.influxdata.com/${DISTRIB\_ID,,} ${DISTRIB\_CODENAME} stable" | sudo tee /etc/apt/sources.list.d/influxdb.list

sudo apt-get update && sudo apt-get install influxdb

sudo service influxdb start

**create user:**

CREATE USER ‘telegraf’ WITH PASSWORD ‘telegraf’ WITH ALL PRIVILEGES

**Create databases:**

CREATE DATABASE “telegraf” (Data from host machines)

CREATE DATABASE “k8s\_demo” (Data from kuberenetes cluster)

**Grafana Setup**:

**At Master Machine**

<https://grafana.com/docs/grafana/latest/installation/debian/>

sudo apt-get install -y apt-transport-https

sudo apt-get install -y software-properties-common wget

wget -q -O - https://packages.grafana.com/gpg.key | sudo apt-key add -

sudo add-apt-repository "deb https://packages.grafana.com/oss/deb stable main"

sudo apt-get update

sudo apt-get install grafana

sudo systemctl daemon-reload

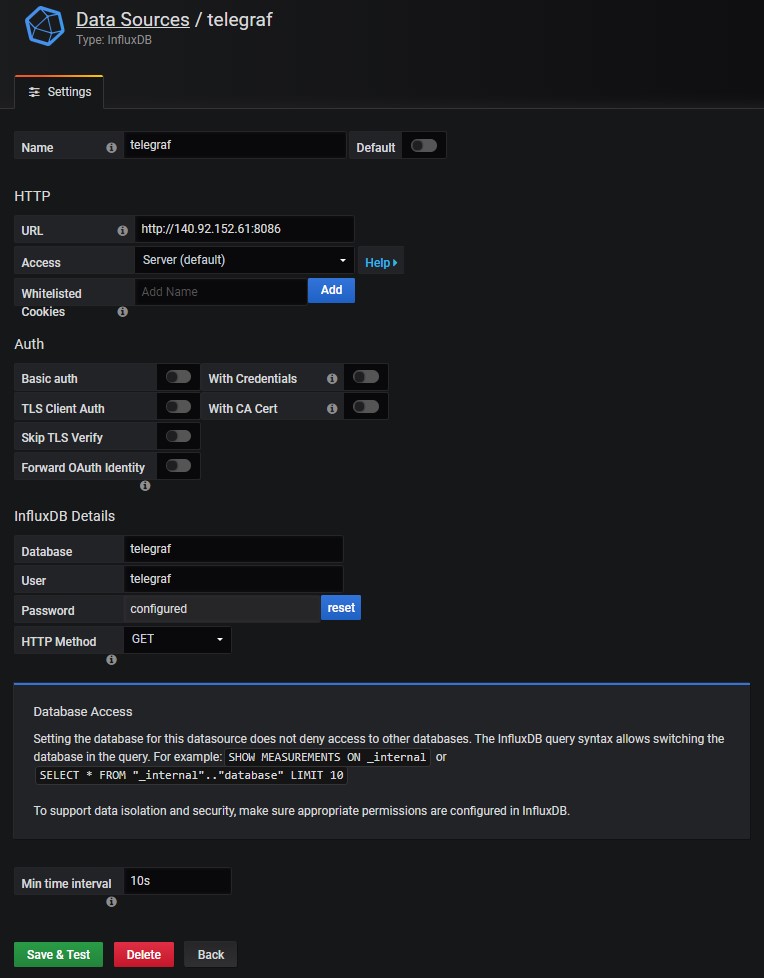
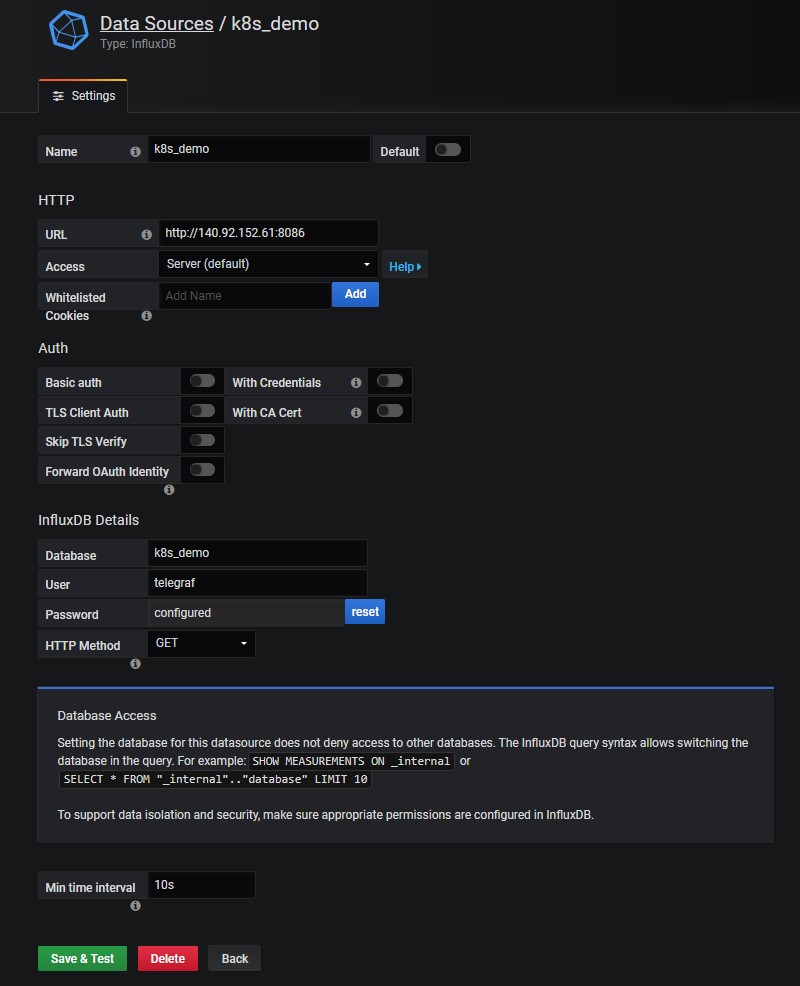
sudo systemctl start grafana-server

sudo systemctl status grafana-server

At browser, go to <grafana host machine ip>:3000 (3000 is default port of grafana service)

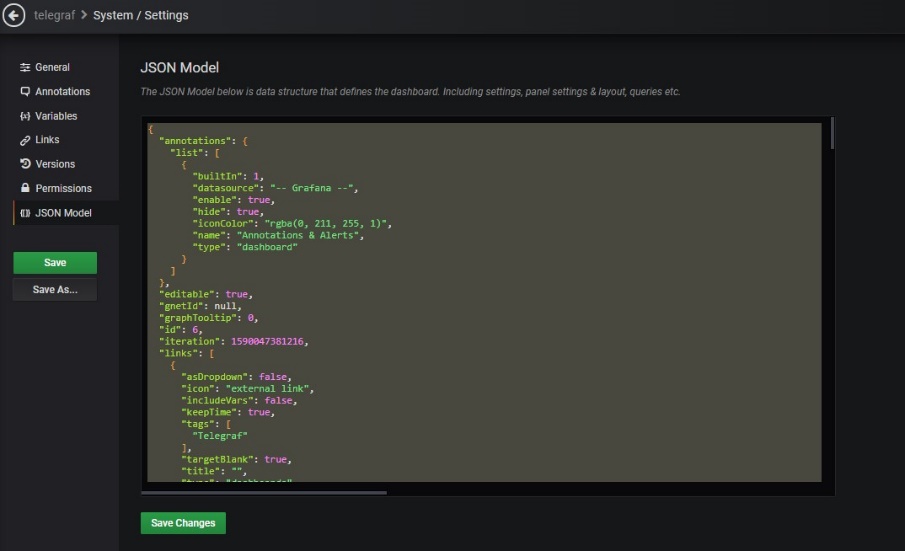
**Configure Datasource:**

URL: <IP of influxDB’s host machine>:8086



**Add Dashboards:**

Create New Dashboards, go to Dashboard settings/JSON Model. Overwrite the content with the JSON files under ./Grafana/ModelJSON.



**Telegraf Setup**:

<https://docs.influxdata.com/telegraf/v1.13/introduction/installation/>

wget -qO- https://repos.influxdata.com/influxdb.key | sudo apt-key add –

source /etc/lsb-release

echo "deb https://repos.influxdata.com/${DISTRIB\_ID,,} ${DISTRIB\_CODENAME} stable" | sudo tee /etc/apt/sources.list.d/influxdb.list

sudo apt-get update && sudo apt-get install telegraf

sudo service telegraf start

**Kubernetes Setup**: