

Grafana with Postgresql

Grafana

I used:4.6.0-beta2, the reason for that was to test Postgresql data source function

<https://grafana.com/grafana/download/4.6.0-beta2?platform=windows>

Getting started

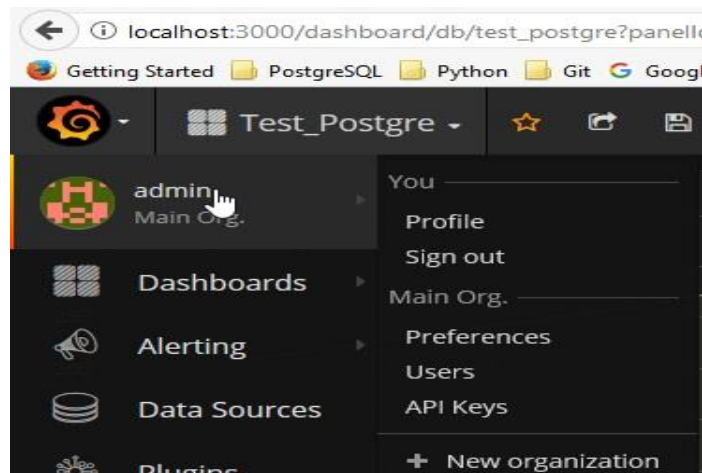
http://docs.grafana.org/guides/getting_started/

Start Grafana

```
C:\grafana\grafana-4.6.0-beta2.windows-x64\grafana-4.6.0-beta2\bin>grafana-server.exe
[32mINFO[0m[10-24|20:26:10] Starting Grafana [32mlogger[0m
[32mserver [32mversion[0m=4.6.0-beta2 [32mcommit[0m=fff4cfd11 [32mcompiled[0m=2017-10-17T12:17:32+0200
[32mINFO[0m[10-24|20:26:10] Config loaded from [32mlogger[0m
[32msettings [32mfile[0m=C:\grafana\grafana-4.6.0-beta2.windows-x64\grafana-4.6.0-beta2/conf/defaults.ini
[32mINFO[0m[10-24|20:26:10] Path Home [32mlogger[0m
[32msettings [32mpath[0m=C:\grafana\grafana-4.6.0-beta2.windows-x64\grafana-4.6.0-beta2
[32mINFO[0m[10-24|20:26:10] Path Data [32mlogger[0m
```

Navigate to <http://localhost:3000>

Grafana Dashboard

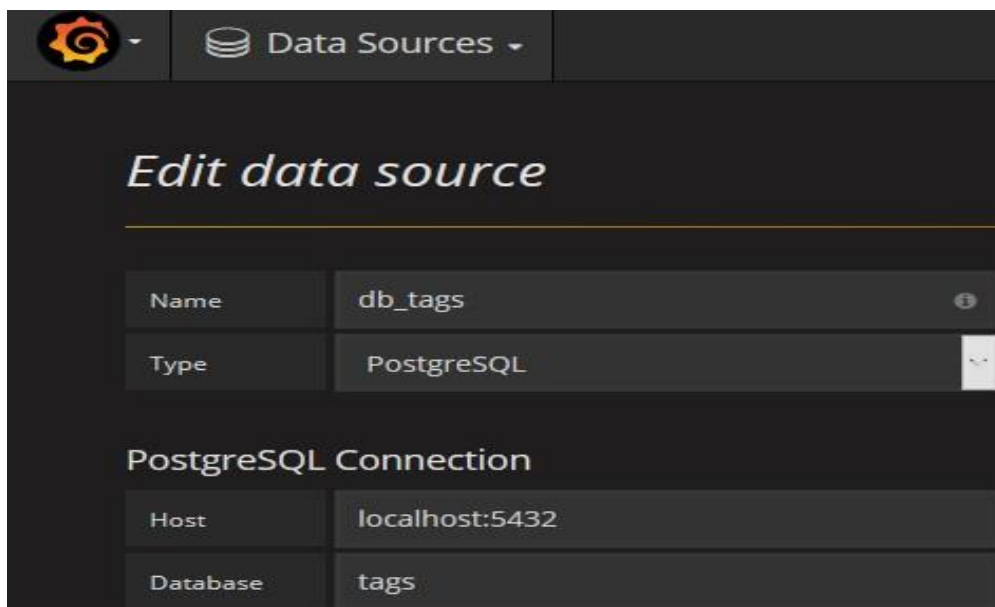


In PostgreSQL, make a table with the fields you want, insert some data

	id [PK] bigint	name character varying (32)	value real	tsn timestamp without time zone
1	9	tag	100	2017-10-24 15:20:00
2	10	tag	50	2017-10-24 16:20:00
3	11	tag	150	2017-10-24 17:10:00
4	12	tag	70	2017-10-24 17:40:00
5	13	tag	110	2017-10-24 17:15:00
6	14	tag	60	2017-10-24 17:55:00
7	15	tag	120	2017-10-24 18:55:00
8	16	tag	130	2017-10-24 19:55:00
9	17	tag	300	2017-10-24 14:10:00
10	18	tag	80	2017-10-24 14:45:00
11	19	tag	260	2017-10-24 13:45:00
12	20	tag	210	2017-10-24 13:05:00

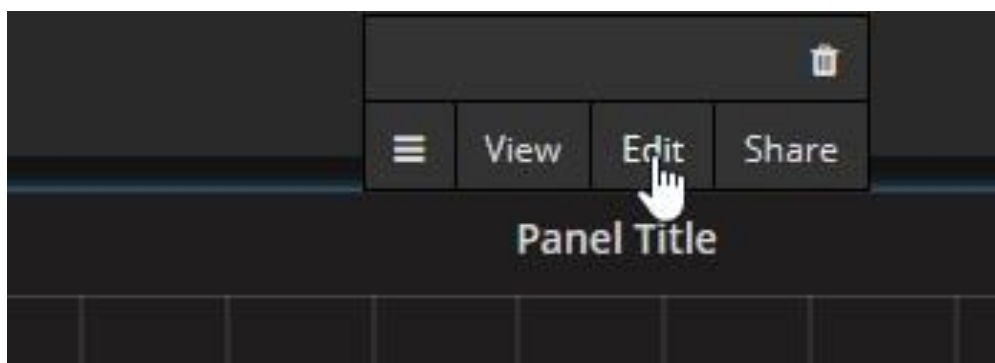
Grafana data source

Add Db, type, table, port, user, password, etc



Grafana Graph

Make a panel, and edit it



Connect and make the query

Use timeseries

Graph General **Metrics** Axes

Data Source db_tags

```
select
$__time(tsn),
value
from analog
where
$__timeFilter(tsn)
order by tsn
```

Format as Time series Show Help

All the updates in the tags table will be reflected in the graph

Test_Postgre Back to dashboard Zoom Out Last 6 ho...

Panel Title

value

Graph General **Metrics** Axes Legend Display Alert Time range

Data Source db_tags Query Inspector

```
select
$__time(tsn),
value
from analog
where
$__timeFilter(tsn)
order by tsn
```