



Spring Boot



Prometheus



Grafana



Welcome to Grafana

Email or username

Password



Log in

[Forgot your password?](#)

← → ↺ ⚠ Not Secure | 192.168.29.46:3000/?orgId=1 ☆ ⚙ 📄 🗑 🗑

🔧 General / Home 🔍 ⚙ 📄 🗑 🗑

Welcome to Grafana

Need help? [Documentation](#) [Tutorials](#) [Community](#) [Public Slack](#)

Basic

The steps below will guide you to quickly finish setting up your Grafana installation.

🔧

TUTORIAL

DATA SOURCE AND DASHBOARDS

Grafana fundamentals

Set up and understand Grafana if you have no prior experience. This tutorial guides you through the entire process and covers the "Data source" and "Dashboards" steps to the right.

🔧

DATA SOURCES

Add your first data source

🗄

Learn how in the docs [🔗](#)

DASHBOARDS

Create your first dashboard

📄

Learn how in the docs [🔗](#)

Remove this panel

➡

Starred dashboards

Recently viewed dashboards

Dashboards

Latest from the blog

Dec 30

[Grafana dashboards in 2022: Memorable use cases of the year](#)

One of our favorite things at Grafana Labs is seeing Grafana dashboards in action. Over the past year, members of the Grafana community – from inside and outside of the company – shared the unique ways they have used dashboards to monitor a wide range of projects including an elderly parent's home, a Tesla, and a python named Pretzel. Let's take a look back at some of the eye-catching and informative results.

Dec 29

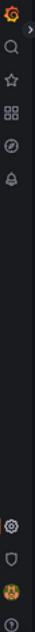
[Grafana Cloud 2022: Year in review](#)

With every new update and feature we introduced to our open source LGTM stack this year, we have also enhanced Grafana Cloud, our hosted offering that is powered by

Community dashboards

Grafana Labs in 2022

🌟



Add data source

Choose a data source type

Q Filter by name or type

+ Cancel

Time series databases



Prometheus

Open source time series database & alerting

Core



Graphite

Open source time series database

Core



InfluxDB

Open source time series database

Core



OpenTSDB

Open source time series database

Core

Logging & document databases



Loki

Like Prometheus but for logs. OSS logging solution from Grafana Labs

Core



Elasticsearch

Open source logging & analytics database

Core



Data Sources / Prometheus

Type: Prometheus

Settings

Dashboards



Configure your Prometheus data source below

Or skip the effort and get Prometheus (and Loki) as fully-managed, scalable, and hosted

Alerting supported

Name ⓘ

Prometheus

Default



HTTP

URL ⓘ

http://192.168.29.46:9090

Allowed cookies ⓘ

New tag (enter key to add)

Add

Timeout ⓘ

Timeout in seconds

Auth

Basic auth



With Credentials ⓘ



TLS Client Auth



With CA Cert ⓘ



Skip TLS Verify



Forward OAuth Identity ⓘ



Alerting

Manage alerts via Alerting UI



Scrape interval



15s

Query timeout



60s

HTTP method



POST



Type and version

Prometheus type



Choose



Misc

Disable metrics lookup



Custom query parameters



Example: max_source_resolution=5m&timeout=10

Exemplars

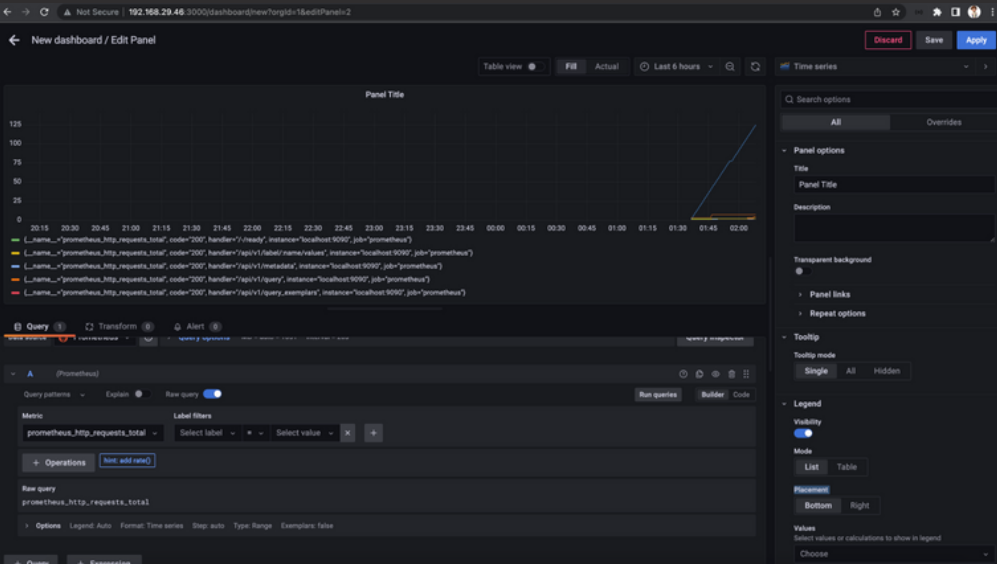
+ Add

Back

Explore

Delete

Save & test



General / New dashboard ☆ ⌵

Panel Title

































— `__name__="prometheus_http_requests_total", code="200", handler="/ready", instance="localhost:9090", job="prometheus"`
— `__name__="prometheus_http_requests_total", code="200", handler="/api/v1/fatal/name/values", instance="localhost:9090", job="prometheus"`
— `__name__="prometheus_http_requests_total", code="200", handler="/api/v1/metadata", instance="localhost:9090", job="prometheus"`
— `__name__="prometheus_http_requests_total", code="200", handler="/api/v1/query", instance="localhost:9090", job="prometheus"`


Containers [Give feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

☐ Only show running containers

<input type="checkbox"/>		NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>		musings_kilby 6b1670f84592 	prom/prometheus:latest	Exited	8081:8081 		  
<input type="checkbox"/>		peaceful_swartz 618b6b59fb4d 	prom/prometheus:latest	Exited	8081:8081 		  
<input type="checkbox"/>		awesome_booth e45e089c8474 	prom/prometheus:latest	Exited	8081:8081 		  
<input type="checkbox"/>		focused_poitras 833574ef49ec 	prom/prometheus:latest	Exited	8081:8081 		  
<input type="checkbox"/>		gifted_montalcini 927340a5ae8c 	prom/prometheus:latest	<div><div></div></div>	9090:9090 	7 minutes ago	  

Showing 5 items

RAM 6.07GB CPU 0.17%  Not connected to Hub

 v4.13.1 

application.properties

```
1 management.endpoints.web.exposure.include=*  
2 management.endpoint.health.show-details=always  
3
```

application.properties x

```
1 management.endpoints.web.exposure.include=*  
2 management.endpoint.health.show-details=always
```

3

|

```
open -a Docker
docker pull prom/prometheus
```

```
docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
prom/prometheus	latest	932c2dbe7d3e	10 days ago	231MB

```
ifconfig | grep "inet " | grep -Fv 127.0.0.1 | awk '{print $2}'
```

192.168.29.46

```
docker run -d --name=grafana88 -p 3000:3000 grafana/grafana
Unable to find image 'grafana/grafana:latest' locally
latest: Pulling from grafana/grafana
9621f1afde84: Pull complete
db7fbc631880: Pull complete
afb29f8d05c6: Pull complete
2d9c2cfef851: Pull complete
0f9c8679de96: Pull complete
d8d1a816d728: Pull complete
09aac180a7fc: Pull complete
1c5ec5c4e84a: Pull complete
0b0714ac27d7: Pull complete
Digest: sha256:2a73ae33c9f0c51af6eced2ef185d5d3682b4c378c4fdd6941a14e8ea4a3e95b
Status: Downloaded newer image for grafana/grafana:latest
81e3c926a838c78a6e45a05e750e960f261dea0b5bc5de5f081718d4fe5be7e6
```

```
docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
81e3c926a838	grafana/grafana	"/run.sh"	19 minutes ago	Up 19 minutes	0.0.0.0
927340a5ae8c	prom/prometheus	"/bin/prometheus --c..."	41 minutes ago	Up 41 minutes	0.0.0.0

```
docker stop 81e
81e
```

```
docker stop 927
927
```

```
docker run -p 9090:9090 -v
/Users/saishish/Desktop/sai/projects/PrometheusAndGrafana/src/main/resources/prometheus.yml prom/prometheus

ts=2022-12-30T20:05:54.696Z caller=main.go:512 level=info msg="No time or size retention was set so using the default"
ts=2022-12-30T20:05:54.696Z caller=main.go:556 level=info msg="Starting Prometheus Server" mode=server version="(ver
ts=2022-12-30T20:05:54.696Z caller=main.go:561 level=info build_context="(go=go1.19.4, platform=linux/amd64, user=r
ts=2022-12-30T20:05:54.696Z caller=main.go:562 level=info host_details="(Linux 5.15.49-linuxkit #1 SMP Tue Sep 13 0
ts=2022-12-30T20:05:54.696Z caller=main.go:563 level=info fd_limits="(soft=1048576, hard=1048576)"
ts=2022-12-30T20:05:54.696Z caller=main.go:564 level=info vm_limits="(soft=unlimited, hard=unlimited)"
ts=2022-12-30T20:05:54.697Z caller=web.go:559 level=info component=web msg="Start listening for connections" address
ts=2022-12-30T20:05:54.698Z caller=main.go:993 level=info msg="Starting TSDB ..."
ts=2022-12-30T20:05:54.700Z caller=tsdb_config.go:232 level=info component=web msg="Listening on" address=[::]:9090
ts=2022-12-30T20:05:54.700Z caller=tsdb_config.go:235 level=info component=web msg="TLS is disabled." http2=false ad
ts=2022-12-30T20:05:54.703Z caller=head.go:562 level=info component=tsdb msg="Replaying on-disk memory mappable chunk
ts=2022-12-30T20:05:54.703Z caller=head.go:606 level=info component=tsdb msg="On-disk memory mappable chunks replay
ts=2022-12-30T20:05:54.703Z caller=head.go:612 level=info component=tsdb msg="Replaying WAL, this may take a while"
ts=2022-12-30T20:05:54.703Z caller=head.go:683 level=info component=tsdb msg="WAL segment loaded" segment=0 maxSegme
ts=2022-12-30T20:05:54.703Z caller=head.go:720 level=info component=tsdb msg="WAL replay completed" checkpoint_repla
ts=2022-12-30T20:05:54.704Z caller=main.go:1014 level=info fs_type=EXT4_SUPER_MAGIC
ts=2022-12-30T20:05:54.704Z caller=main.go:1017 level=info msg="TSDB started"
ts=2022-12-30T20:05:54.704Z caller=main.go:1197 level=info msg="Loading configuration file" filename=/etc/prometheus
ts=2022-12-30T20:05:54.705Z caller=main.go:1234 level=info msg="Completed loading of configuration file" filename=/
ts=2022-12-30T20:05:54.705Z caller=main.go:978 level=info msg="Server is ready to receive web requests."
ts=2022-12-30T20:05:54.705Z caller=manager.go:953 level=info component="rule manager" msg="Starting rule manager..."
```

```
<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-actuator</artifactId>
  </dependency>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
  </dependency>
  <dependency>
    <groupId>io.micrometer</groupId>
    <artifactId>micrometer-registry-prometheus</artifactId>
  </dependency>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-test</artifactId>
    <scope>test</scope>
  </dependency>
</dependencies>
```