# Grafana基础使用手册

#### Grafana基础使用手册

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#### 1.概述

Grafana是一个开源指标分析和可视化套件。它最常用于可视化基础设施性能数据和应用程序分析的时间序列数据。 Grafana也应用于基它领域,包括工业传感器,家庭自动化,天气和过程控制。

当然作为IT工程师来讲,无非最关注的是如何把数据进行聚合后进行展示,例如:

服务器性能数据、应用程序数据分析、elasticsearch、大数据分析数据等。那此时选择Grafana就是一个及好的选择,因为它支持多种数据来源。我们以前使用开源监控系统zabbix,但后来发现,如果要把监控数据和日志分析系统统一进行展示和分析时,就需要开发一套系统来对接。现在有了grafana过后变的相当Easy!

#### 2.安装

grafana支持在多种环境下安装,包括windows、centos、ubuntu、mac、docker等环境。我将grafana安装在centos环境下。下面是安装方法。

支持以下安装方式

#### 1.在线下载grafana

Description	Download
Stable for CentOS / Fedora / OpenSuse / Redhat Linux	4.1.2 (x86-64 rpm)

#### 2.yum 远程安装稳定版本

yum install https://grafanarel.s3.amazonaws.com/builds/grafana-4.1.2-1486989747.x86 64.rpm

#### Install Stable

You can install Grafana using Yum directly.

\$ sudo yum install https://grafanarel.s3.amazonaws.com/builds/grafana-4.1.2-1486989747.x86\_64.rpm

#### 3.使用yum仓库方式

#### 保存以下信息到/etc/yum.repos.d/grafana.repo

[grafana]

name=grafana

baseurl=https://packagecloud.io/grafana/stable/el/6/\$basearch

repo\_gpgcheck=1

enabled=1

gpgcheck=1

gpgkey=https://packagecloud.io/gpg.key https://grafanarel.s3.amazonaws.com/RPM-GPG-KEY-grafana sslverify=1

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

使用yum install grafana -y

#### 安装包的基本细节

二进制文件安装到 /usr/sbin/grafana-server 启动脚本复制到 /etc/init.d/grafana-server 环境变量文件 /etc/sysconfig/grafana-server 配置文件 /etc/grafana/grafana.ini systemd服务名 grafana-server.service 默认日志文件 /var/log/grafana/grafana.log 默认数据库文件 /var/lib/grafana/grafana.db

#### 启动服务

#### centos 6:

/etc/init.d/grafana-server start

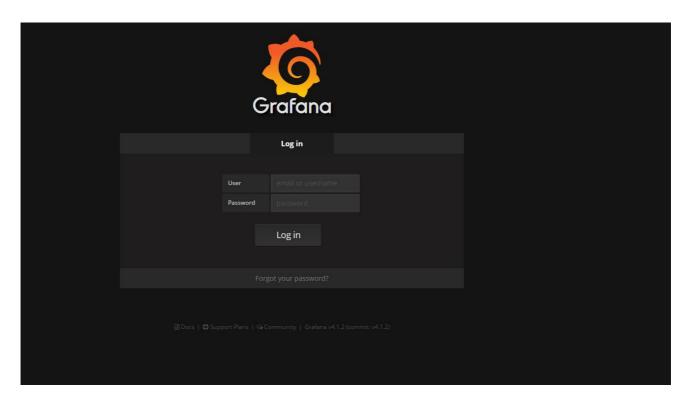
#### centos 7:

systemctl enable grafana-server systemctl start grafana-server

# 3.基础介绍

登录:http://x.x.x.x:3000 grafana默认启动端口为3000,可以在配置文件的[server]配置中修改grafana的相关配置信息

默认用户名和密码: admin admin



# 4.配置文件

grafana默认配置文件/etc/grafana/grafana.ini,那下面我们就来看一下grafana的基础配置。 以下配置文件中,";"注释的配置项表示默认值,如果需要修改请把";"去除修改配置即可。

以下为主要配置文件:

```
# Everything has defaults so you only need to uncomment things you want to
# change
# possible values : production, development
; app_mode = production
#实例名称,如要HOSTNAME 变量为空,默认就为主机名
; instance_name = ${HOSTNAME}
[paths]
#默认数据存储目录如,db,session等
;data = /var/lib/grafana
#日志存储目录
;logs = /var/log/grafana
#插件安装目录, Grafana会自动扫描并查找插件
;plugins = /var/lib/grafana/plugins
[server]
#协议(http or https)
;protocol = http
# 绑定的IP地址, 为空将在所有接口上绑定
;http_addr =
#默认端口
;http_port = 3000
# 对外的域名
;domain = localhost
#如果主机头与域不匹配,则重定向到正确的域
#防止DNS重新绑定攻击
;enforce_domain = false
#在浏览器中使用的完全公开的网址,用于重定向和电子邮件
#如果使用反向代理和子路径指定完整url (带子路径)
;root_url = http://localhost:3000
# web 请求日志
;router_logging = false
```

#相对路径

```
;static_root_path = public
# gzip压缩
;enable_gzip = false
# https证书
;cert_file =
;cert_key =
[database]
#默认数据库配置
# as seperate properties or as on string using the url propertie.
# Either "mysql", "postgres" or "sqlite3", it's your choice
;type = sqlite3
;host = 127.0.0.1:3306
;name = grafana
;user = root
# If the password contains # or; you have to wrap it with trippel quotes. Ex """#password;"""
;password =
#使用URL或以前的字段来配置数据库
# Example: mysql://user:secret@host:port/database
;url =
# For "postgres" only, either "disable", "require" or "verify-full"
;ssl mode = disable
# 仅适用于sqlite3数据库。将存储数据库的文件路径
;path = grafana.db
#系统默认用户为admin,在启动时创建
;admin_user = admin
#默认admin密码,可以在第一次启动grafana之前更改,或在配置文件中设置
;admin password = admin
# used for signing
;secret_key = SW2YcwTlb9zpOOhoPsMm
#自动登录记住天数
;login_remember_days = 7
;cookie_username = grafana_user
;cookie_remember_name = grafana_remember
#禁用用户头像
;disable_gravatar = false
#数据源代理白名单(ip_or_domain:端口以空格分隔)
```

```
;data_source_proxy_whitelist =
[users]
#禁用用户注册
allow_sign_up = false
# 允许非管理员创建组织
;allow_org_create = true
# 如果为true , 将自动将新用户分配到 (id为1)的组织
;auto_assign_org = true
#新用户默认角色
;auto_assign_org_role = Viewer
#登录页面的html字段说明
;login_hint = email or username
#默认UI主题 ("dark" or "light")
;default_theme = dark
[auth]
#可禁用登录表单,如果使用OAuth登录时非常有用
;disable_login_form = false
[smtp]
:enabled = false
;host = localhost:25
;user =
;password =
;cert_file =
;key_file =
;skip_verify = false
;from_address = admin@grafana.localhost
[emails]
;welcome_email_on_sign_up = false
[alerting]
# Makes it possible to turn off alert rule execution.
;execute_alerts = true
```

#### 5.数据源

Grafana支持以时间序列存储数据的相关数据源,每个数据源都有一个特定的查询编辑器,该编辑器针对特定数据源公开的功能进行自定义。当前grafana支持以下数据源:Graphite、InfluxDB、OpenTSDB、Promethenus、Elasticsearch、CloudWatch。每个数据源的查询语言和功能是不同的,Grafana可以将不同尖的数据合并到单个Dashboard中。但每个面板都要与属于特定组织的数据源相关联。换句话说就是每个panel只能使用属于当前组织的数据源。

#### 下面以使用influxdb为例:

```
1.安装influxdb
配置yum
cat <<EOF | sudo tee /etc/yum.repos.d/influxdb.repo
[influxdb]
name = InfluxDB Repository - RHEL \$releasever
baseurl = https://repos.influxdata.com/rhel/\space{20}{space} basearch/stable
enabled = 1
gpgcheck = 1
gpgkey = https://repos.influxdata.com/influxdb.key
EOF
安装
yum install influxdb
配置
默认配置文件为:/etc/influxdb/influxdb.conf
 # Determines whether the admin service is enabled.
 enabled = true
                   #开启admin管理
 # The default bind address used by the admin service.
 bind-address = ":8083"
 # Whether the admin service should use HTTPS.
 # https-enabled = false
 # The SSL certificate used when HTTPS is enabled.
 # https-certificate = "/etc/ssl/influxdb.pem"
[http]
 # Determines whether HTTP endpoint is enabled.
 enabled = true
 # The bind address used by the HTTP service.
 bind-address = ":8086"
 # Determines whether HTTP authentication is enabled.
 auth-enabled = true #开启用户验证 生产环境一定要注意
 # The default realm sent back when issuing a basic auth challenge.
 # realm = "InfluxDB"
```

# Determines whether HTTP request logging is enable.d

# Determines whether detailed write logging is enabled.

# Determines whether the pprof endpoint is enabled. This endpoint is used for

log-enabled = true

write-tracing = false

# troubleshooting and monitoring.

```
pprof-enabled = true
# Determines whether HTTPS is enabled.
https-enabled = false
# The SSL certificate to use when HTTPS is enabled.
https-certificate = "/etc/ssl/influxdb.pem"
启动
centos7
systemctl start influxdb
centos6
service influxdb start
```

#### 创建数据库

```
[root@localhost ~]# influx -host '127.0.0.1' -port '8086'
Connected to http://127.0.0.1:8086 version 1.2.0
InfluxDB shell version: 1.2.0
> show databases;
name: databases
name
----
internal
> create database grafana
> use grafana
Using database grafana
> create user "grafana" with password 'grafana' with all privileges
```

登录http://x.x.x.x:8083 输入用户名、密码、数据库、端口进行登录

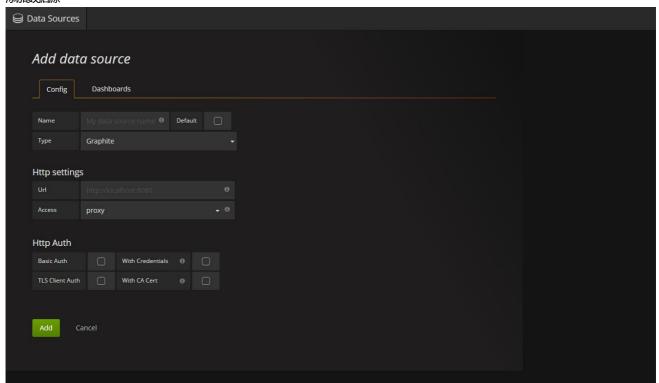


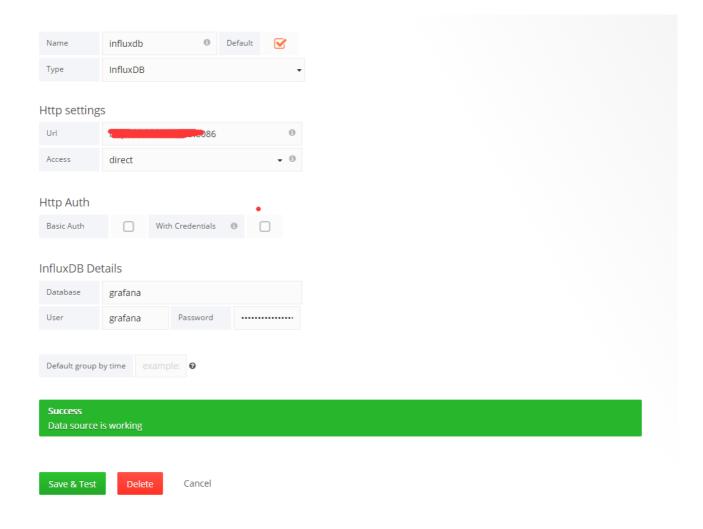
#### 基本语法

SHOW DATABASES 查看所有的数据库 SHOW MEASUREMENTS 查看当前库中的表 SHOW TAG KEYS FROM "diskio" 查看表中的keys SHOW USERS 查看Users SHOW STATS 查看数据库状态 select \* from httpd order by time desc limit 10 执行基础SQL语句

参考文档: https://docs.influxdata.com/influxdb/v1.2/introduction/installation/

#### 添加数据源





# 6.Telegraf

Telegraf 是一个用 Go 编写的代理程序,可收集系统和服务的统计数据,并写入到 Influxdb 数据库。Telegraf 具有内存占用小的特点,通过插件系统开发人员可轻松添加支持其他服务的扩展。

目前已有的插件包括: (官方文档: https://docs.influxdata.com/telegraf/v1.2/)

- System (memory, CPU, network, etc.)
- Docker
- MySQL
- PostgreSQL
- Redis

#### 支持系统:

- Ubuntu
- Redhat
- SLES
- FreeBSD
- MAC
- Windows

#### 安装:

cat <<EOF | sudo tee /etc/yum.repos.d/influxdb.repo
[influxdb]
name = InfluxDB Repository - RHEL \\$releasever
baseurl = https://repos.influxdata.com/rhel/\\$releasever/\\$basearch/stable
enabled = 1

```
gpgcheck = 1
gpgkey = https://repos.influxdata.com/influxdb.key
FOF
```

#### centos 6:

yum install telegraf service telegraf start

#### centos 7:

yum install telegraf systemctl start telegraf

#### 配置文件:

```
[global_tags]
 # dc = "us-east-1" # will tag all metrics with dc=us-east-1
 # rack = "1a"
 ## Environment variables can be used as tags, and throughout the config file
 # user = "$USER"
[agent]
 ## Default data collection interval for all inputs
 interval = "10s"
 ## Rounds collection interval to 'interval'
 ## ie, if interval="10s" then always collect on :00, :10, :20, etc.
 round interval = true
 ## Telegraf will send metrics to outputs in batches of at most
 ## metric_batch_size metrics.
 ## This controls the size of writes that Telegraf sends to output plugins.
 metric_batch_size = 1000
 ## For failed writes, telegraf will cache metric_buffer_limit metrics for each
 ## output, and will flush this buffer on a successful write. Oldest metrics
 ## are dropped first when this buffer fills.
 ## This buffer only fills when writes fail to output plugin(s).
 metric_buffer_limit = 10000
 ## Collection jitter is used to jitter the collection by a random amount.
 ## Each plugin will sleep for a random time within jitter before collecting.
 ## This can be used to avoid many plugins querying things like sysfs at the
 ## same time, which can have a measurable effect on the system.
 collection_jitter = "0s"
 ## Default flushing interval for all outputs. You shouldn't set this below
 ## interval. Maximum flush_interval will be flush_interval + flush_jitter
 flush_interval = "10s"
 ## Jitter the flush interval by a random amount. This is primarily to avoid
 ## large write spikes for users running a large number of telegraf instances.
 ## ie, a jitter of 5s and interval 10s means flushes will happen every 10-15s
 flush_jitter = "0s"
 ## By default, precision will be set to the same timestamp order as the
 ## collection interval, with the maximum being 1s.
 ## Precision will NOT be used for service inputs, such as logparser and statsd.
 ## Valid values are "ns", "us" (or "µs"), "ms", "s".
 precision = ""
 ## Logging configuration:
 ## Run telegraf with debug log messages.
```

```
debug = false
 ## Run telegraf in quiet mode (error log messages only).
 quiet = false
 ## Specify the log file name. The empty string means to log to stderr.
logfile = ""
 ## Override default hostname, if empty use os. Hostname()
 hostname = "ecs-ci-139.129.213.65" #agent主机名可以采用salt来部署
 ## If set to true, do no set the "host" tag in the telegraf agent.
 omit hostname = false
[[outputs.influxdb]]
 ## The full HTTP or UDP endpoint URL for your InfluxDB instance.
 ## Multiple urls can be specified as part of the same cluster,
 ## this means that only ONE of the urls will be written to each interval.
 # urls = ["udp://localhost:8089"] # UDP endpoint example
 urls = ["http://x.x.x.x:8086"] # influxdb地址必填
 ## The target database for metrics (telegraf will create it if not exists).
 database = "grafana" # required
                                        #influxdb数据库
 ## Retention policy to write to. Empty string writes to the default rp.
 retention_policy = ""
 ## Write consistency (clusters only), can be: "any", "one", "quorum", "all"
 write_consistency = "any"
 ## Write timeout (for the InfluxDB client), formatted as a string.
 ## If not provided, will default to 5s. 0s means no timeout (not recommended).
 timeout = "5s"
 username = "grafana"
 password = "xxxxxxxxx"
 ## Set the user agent for HTTP POSTs (can be useful for log differentiation)
 # user_agent = "telegraf"
 ## Set UDP payload size, defaults to InfluxDB UDP Client default (512 bytes)
 # udp_payload = 512
 ## Optional SSL Config
 # ssl_ca = "/etc/telegraf/ca.pem"
 # ssl_cert = "/etc/telegraf/cert.pem"
 # ssl_key = "/etc/telegraf/key.pem"
 ## Use SSL but skip chain & host verification
 # insecure_skip_verify = false
#[[]]以下为插件配置,如需要配置请取消#号即可
[[inputs.cpu]]
 ## Whether to report per-cpu stats or not
 percpu = true
 ## Whether to report total system cpu stats or not
 totalcpu = true
 ## If true, collect raw CPU time metrics.
 collect_cpu_time = false
[[inputs.disk]]
 ## By default, telegraf gather stats for all mountpoints.
 ## Setting mountpoints will restrict the stats to the specified mountpoints.
 # mount_points = ["/"]
 ## Ignore some mountpoints by filesystem type. For example (dev)tmpfs (usually
 ## present on /run, /var/run, /dev/shm or /dev).
 ignore_fs = ["tmpfs", "devtmpfs"]
[[inputs.diskio]]
```

```
## By default, telegraf will gather stats for all devices including
## disk partitions.
## Setting devices will restrict the stats to the specified devices.
 # devices = ["sda", "sdb"]
## Uncomment the following line if you need disk serial numbers.
# skip_serial_number = false
[[inputs.kernel]]
# no configuration
[[inputs.mem]]
# no configuration
[[inputs.processes]]
# no configuration
[[inputs.swap]]
# no configuration
[[inputs.system]]
# no configuration
[[inputs.net]]
[[inputs.netstat]]
```

# 7.面板绘图

#### **User and Org**

用户:

默认登录系统是以admin用户进行登录,在帐号下是你所在的组织。

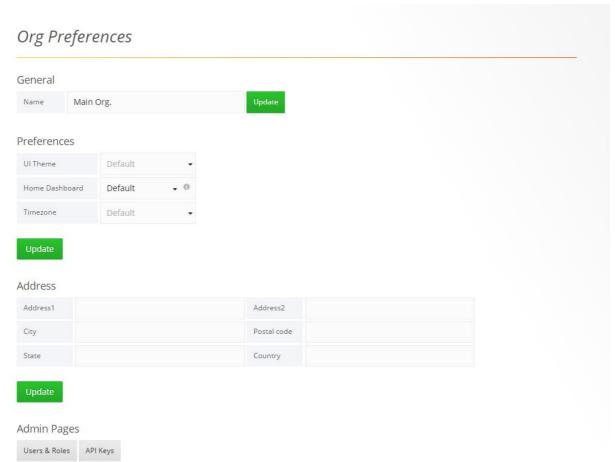


选择可以编辑当前用户的基本信息,同时也可以修改用户密码

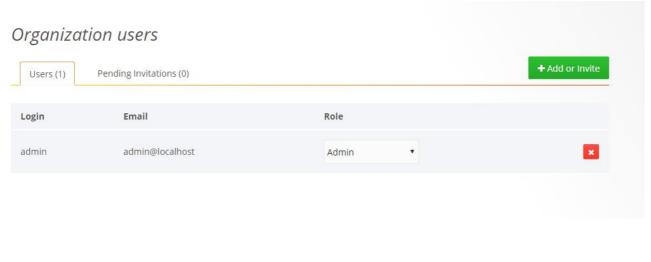
# Profile Information Name Email admin@localhost Username admin Preferences UI Theme Light Home Dashboard - 0 Default Timezone Local browser time 🔻 Update Password Change Password Organizations Name Role Main Org. Admin

# 组织:

可以修改组织名,地址等基本信息

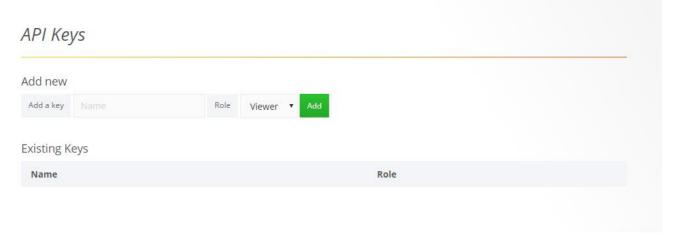


管理组织当中的用户,可配置相关角色权限。默认权限有:Admin、Viewer、Editor、Read Only Editor。Grafana有两个级别的管理,分别是组织管理员和Grafana管理员。后面后有相关介绍



ⓓ Docs | ⓓ Support Plans | ♀ Community | Grafana v4.1.2 (commit: v4.1.2)

# 在此可以设置grafana的相关API key



 $\textcircled{d} \ \mathsf{Docs} \ | \ \textcircled{0} \ \mathsf{Support} \ \mathsf{Plans} \ | \ \mathsf{Q} \ \mathsf{Community} \ | \ \mathsf{Grafana} \ \mathsf{v4.1.2} \ \mathsf{(commit: v4.1.2)}$ 

# New Organization

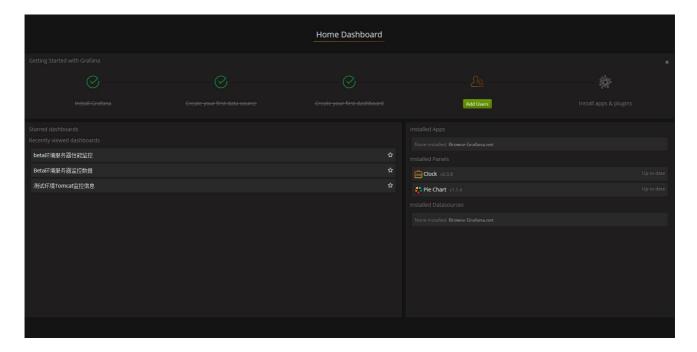
Each organization contains their own dashboards, data sources and configuration, and cannot be shared between orgs. While users may belong to more than one, mutiple organization are most frequently used in multi-tenant deployments.



 $\fbox{$ }$  Docs |  $\fbox{$ }$  Support Plans |  $\fbox{$ }$  Community | Grafana v4.1.2 (commit: v4.1.2)

#### **Home DashBoard**

是grafana的全局视图,可以认为是一组一个或多个面板的组成。可以通过右上角的仪表时间选择器进行控制。



- 上面是安装完grafana后需要做的操作流程
- 1.安装grafana
- 2.创建您的数据来源
- 3.创建一个dashborad
- 4.添加用户
- 5.安装apps或插件

Dashboard还包含如下信息

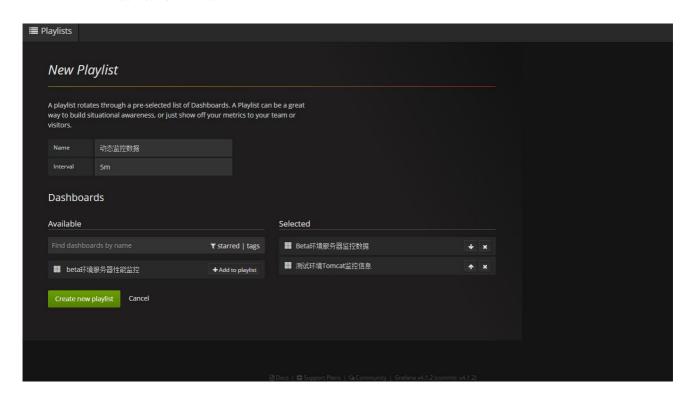
- 1.共享的Dashboard列表
- 2.最近查看的Dashboards列表
- 3.已安装的Apps
- 4.已安装的面板

如上图可以看出我们安装了两个面板:时间面板和饼图面板

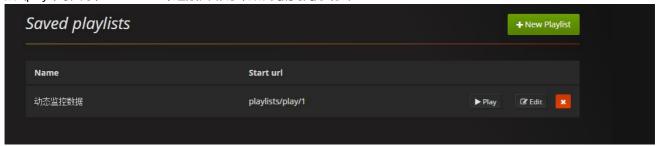
5.已安装的数据源

# playlist (播放列表)

它是一种特殊类型的信息中心,可通过信息显示板列表进行滚动



点击play即可在两个Dashboards中进行依次展示,默认间隔时间为5分钟



可以对播放列表进行控制



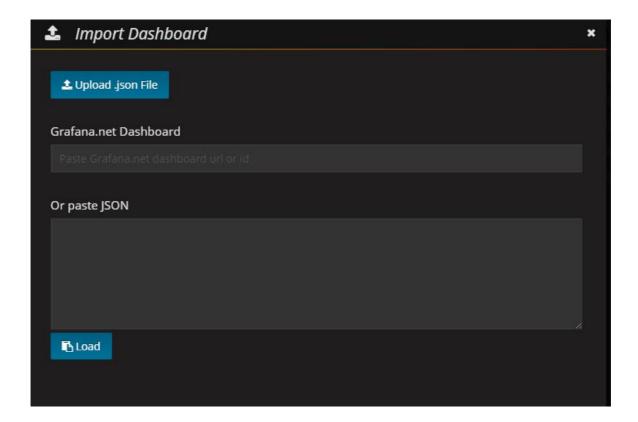
#### 导入模板

下载模板

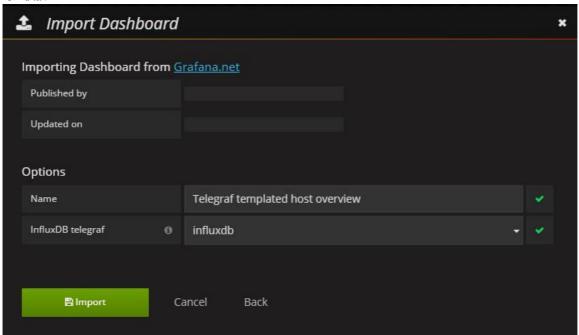
https://grafana.net/dashboards/928

导入

在Dashboards中选择mport-->选择json的模板文件



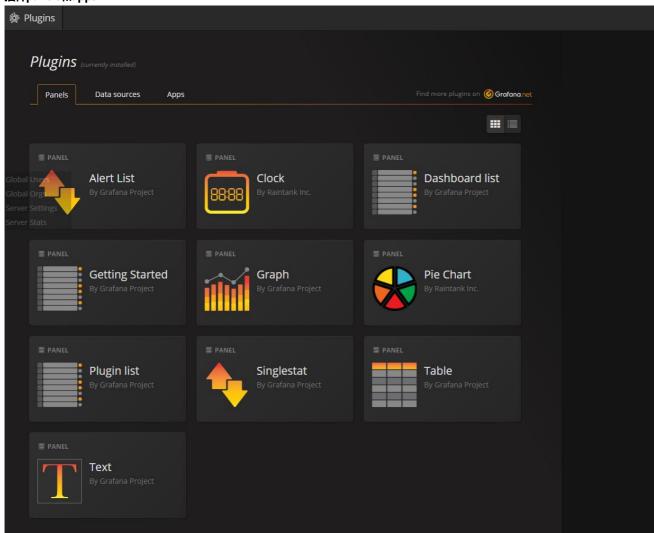
# 导入模板



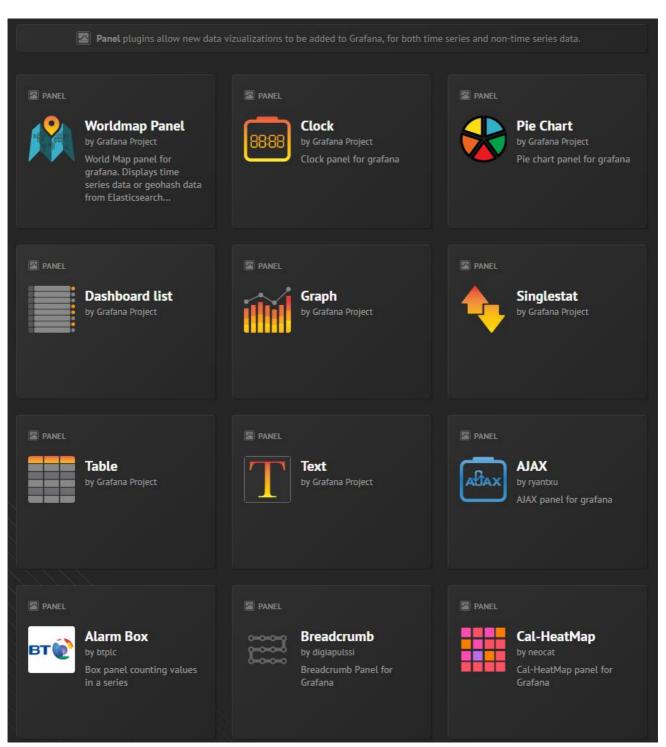
结果



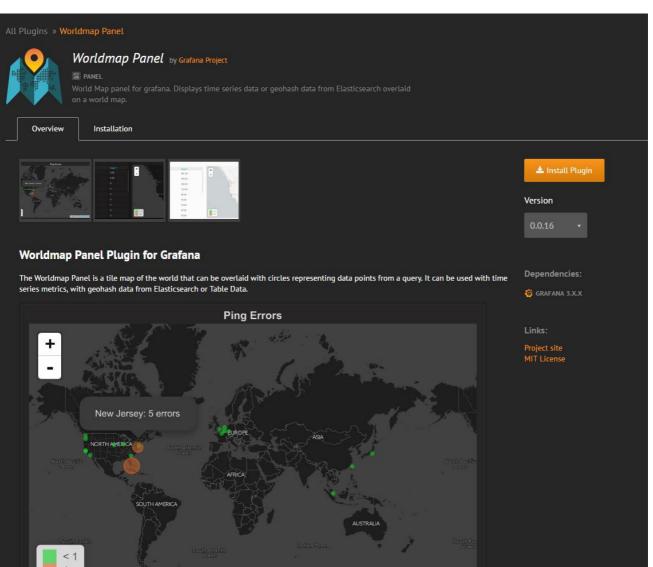
#### 插件panels和apps



下载插件需要去官网下载您需要的具体panels和apps,官方支持plugins很多支持以下panel



如果需要下载就选中后按配置方法安装即可。以下以安装 worldmap panel为例。点击install plugin



执行安装步骤

Overview

Installation

# Installing on a local Grafana:

For local instances, plugins are installed and updated via a simple CLI command.

Plugins are not updated automatically, however you will be notified when updates are available right with

# 1 Install the Panel

Use the grafana-cli tool to install Worldmap Panel from the commandline:

grafana-cli plugins install grafana-worldmap-panel

The plugin will be installed into your grafana plugins directory; the default is /var/lib/grafana/plugins. More information on the cli tool.

Note: Grafana 3.0 or greater is required to install and use plugins. Download Grafana latest.

# 2 Add the Panel to a Dashboard

Installed panels are available immediately in the Dashboards section in your Grafana main menu, and can be added like any other core panel in Grafana.

To see a list of installed panels, click the Plugins item in the main menu. Both core panels and installed panels will appear.

下载插件目录位于/var/lib/grafana/plugins

[root@localhost ~]# grafana-cli plugins install grafana-worldmap-panel

installing grafana-worldmap-panel @ 0.0.16

from url: https://grafana.net/api/plugins/grafana-worldmap-panel/versions/0.0.16/download

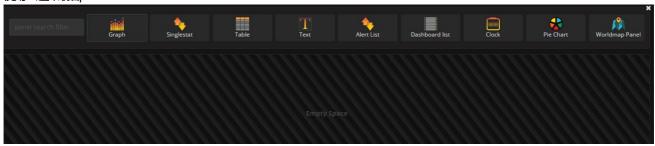
into: /var/lib/grafana/plugins

✓ Installed grafana-worldmap-panel successfully

Restart grafana after installing plugins . <service grafana-server restart>

[root@localhost ~]#systemctl restart grafana-server #重启grafana

使用:选择最后panel

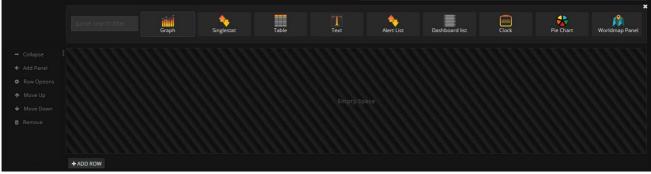


### 8.自定义绘图

下面我们在一个新的DashBoard中创建以下面板信息,那建立以下信息需要安装一个clock plugin用来建立时间面板。 在创建这边面板之前,我们来看到一个Dashboard是如何组成的。Dashboard由多个Row组成,在Row中创建面板,一行Row分为12列,面板默认Span为12。可以自定每个面板的Span宽度。也可以自定义高度等。



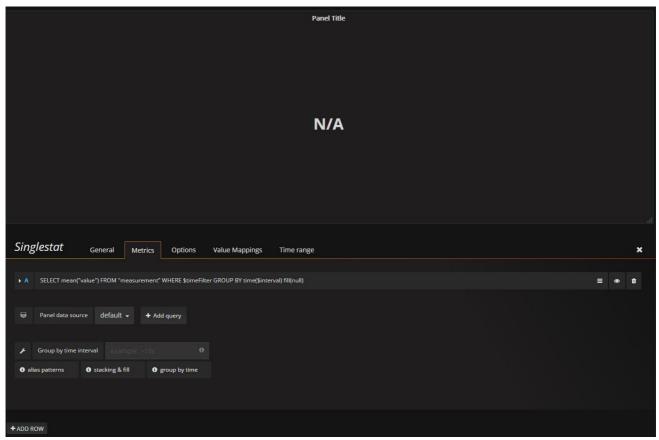
添加Row时需要添加指定类型的面板,那Uptime 我们数据是要从数据源中获取。就需要选择Singlestat,如果需要绘线性图表就需要选择Graph。



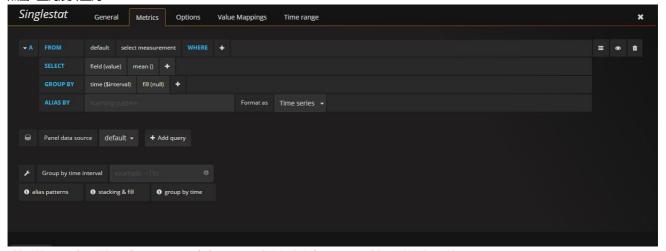
创建结果



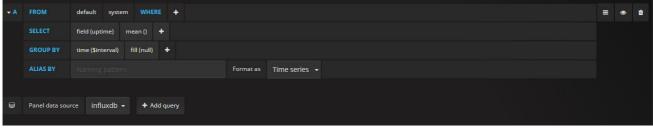
点击Panel Title----Edit新编辑一个面板的配置信息,点击还可以共享面板和查看面板具体信息 默认进入Metrics中进行配置,其中默认就有一条默认配置,该查询语句是根据您所选择的默认数据源类型来生成的默认语句。"A"表示一条语句,一个面板可以由多个查询组成,如果需要可点击Add query



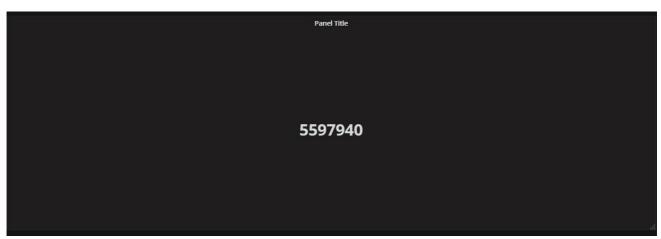
#### 点击A查询展开查询



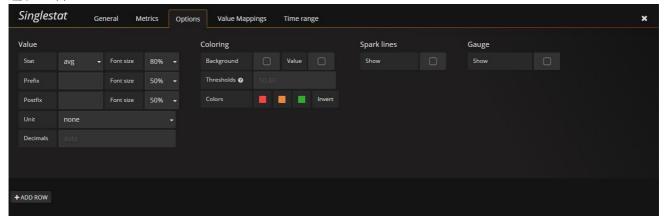
选择数据源印表,数据源为influxdb,表为telegraf默认创建的表system,选择具体的字段数据



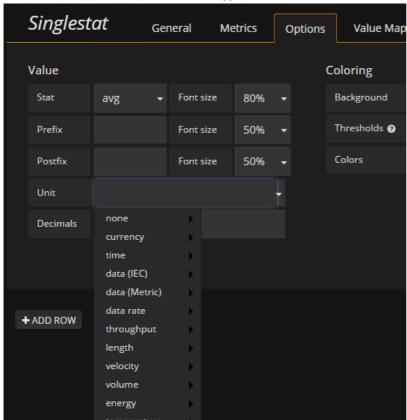
查询结果为5597940,默认为秒,那如何把数据转换成我们可以正常识别的值呢,点击Options

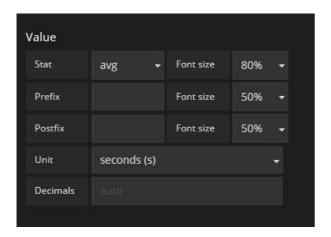


# 选择Unit单位



# 默认支持的单位格式有很多,我们选择secons(s)即可

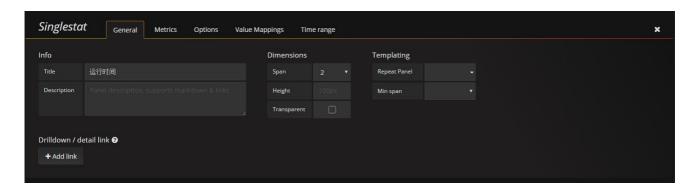




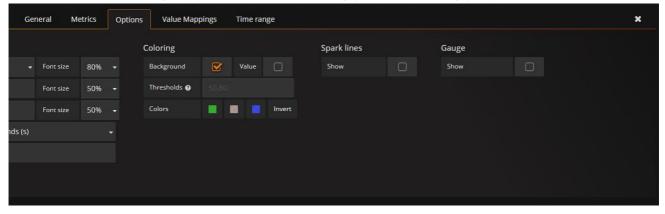
# 保存面板: Ctrl+s后点击x关闭后查看Dashboard

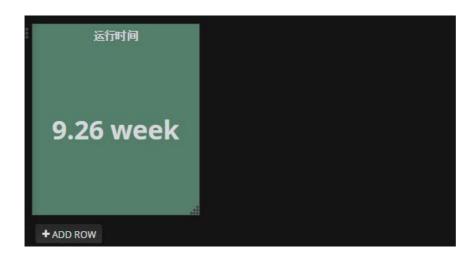


刚已经提到,一条Row默认有12行,我们此时需要调整span和title信息,ctrl+s保存

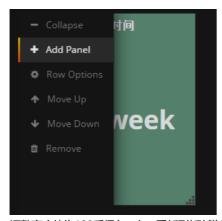


再次编辑面板选择Options--设置coloring--勾选backgroud--点击中间的colors选择背景颜色,也可以设置Thresholds的一个区间值,下面的colors就与此对应:比如50,80期第一个color为0-50的颜色标记,第二个color为50-80,第三个为80-100的色值。

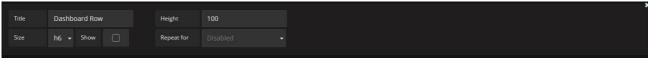




我们调整Row的高度,让它保存一个合理的高度--点击Row Options进行调整



调整高度值为100后保存ctrl+s,重新刷新浏览器后查看结果

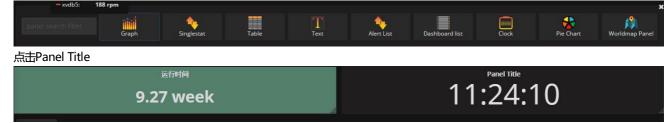


# 那此时我们就建立好了一个面板

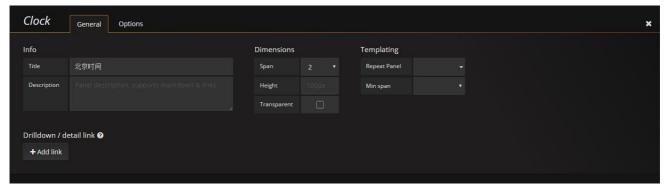


# 那后面以此建立即可

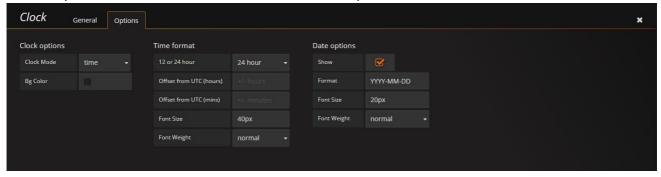
添加clock面板



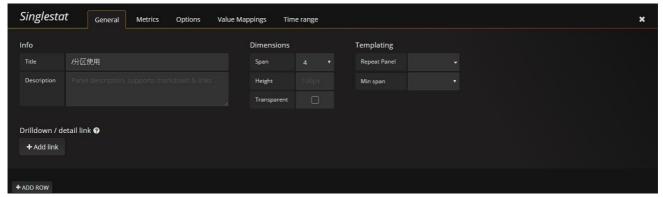
配置Title信息和span宽度

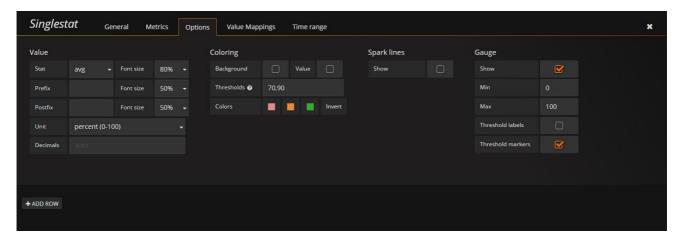


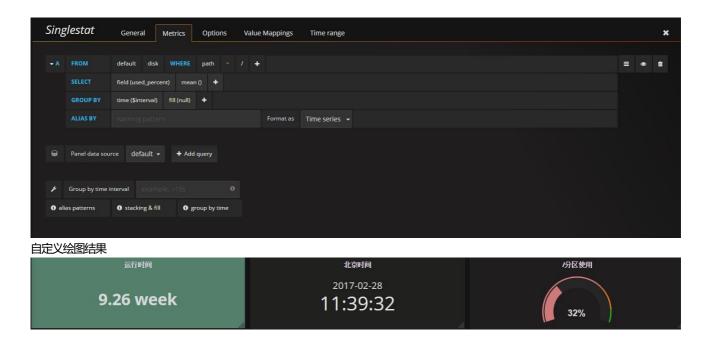
勾选Date Options显示格式,还可以自定义背景页面,调整字体大小为40px



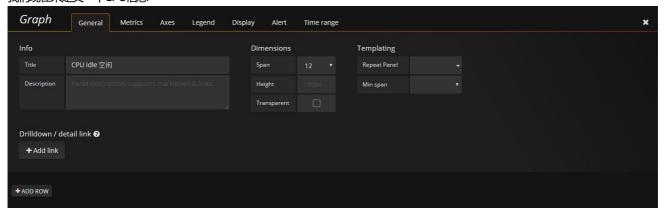
#### 配置/分区使用展示

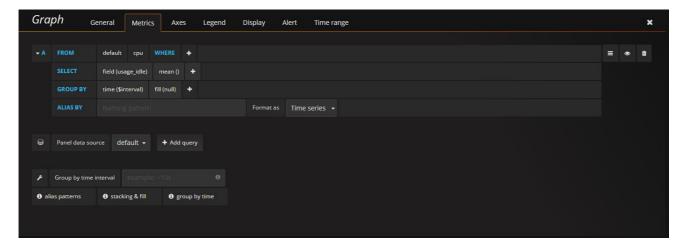






# 我们现在来定义一个CPU信息

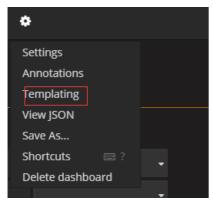






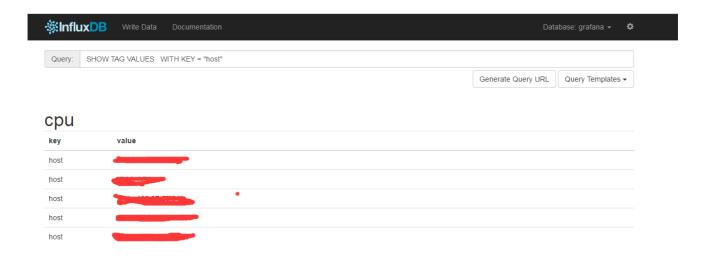
# 8.模板信息

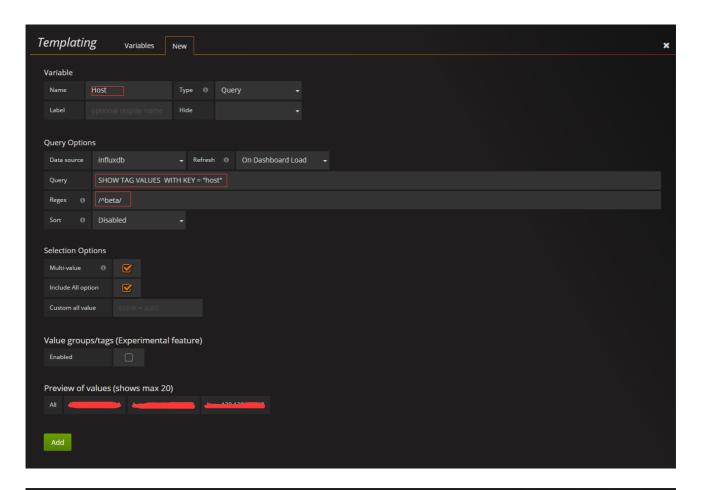
可以把一个自定好的Dashboard制作成模板,那后面就可以直接使用家模板即可。如果一个模板中需要查看不同主机或者不同CPU,磁盘有情的监控信息。那此时就可以在模板中创建变量。

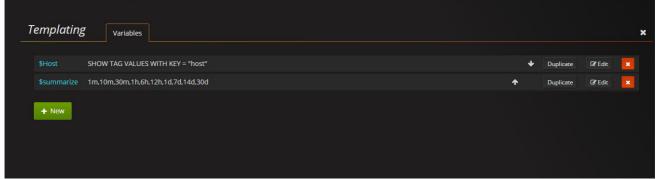


配置变量名为Host,数据来源为influxdb,Query语句语法来源influxdb中,

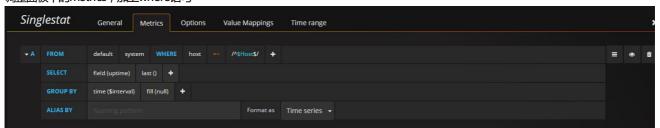


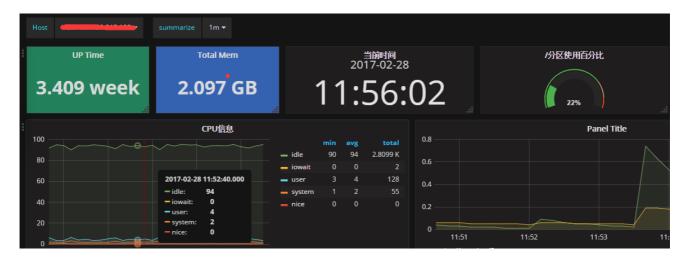






调整面板中的metrics,加上where语句





# 9.报警

grafana支持以下报警方式

1.email

2.slack

3.webhook

4.pagerduty

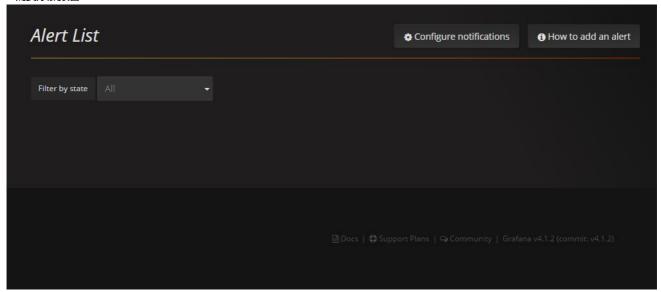
5.victorops

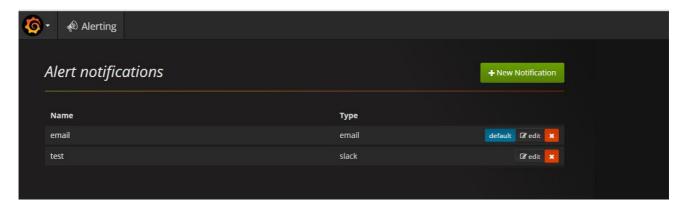
6.opsgenie

注意:在alert所配置的查询语句中不能带有模板变量,否则无法配置!

#### 配置邮件报警

1.需要添加报警 notifications





# 2.修改smtp配置

```
[smtp]
enabled = true
host = smtp.sina.com:25 #必须证品口
user = roddy1219@sina.com
password = xxxxxxxx
;cert_file =
;key_file =
```

skip\_verify = true from\_address = roddy1219@sina.com

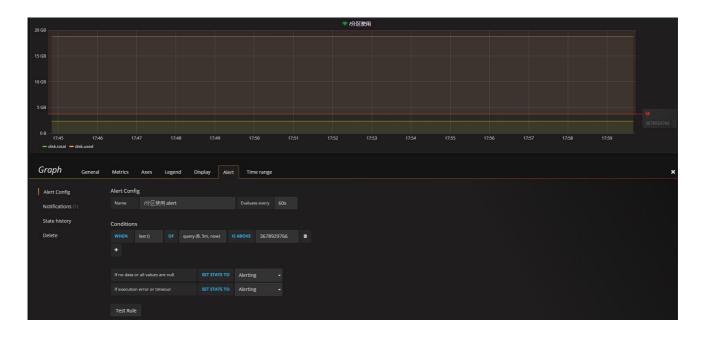
#### [alerting]

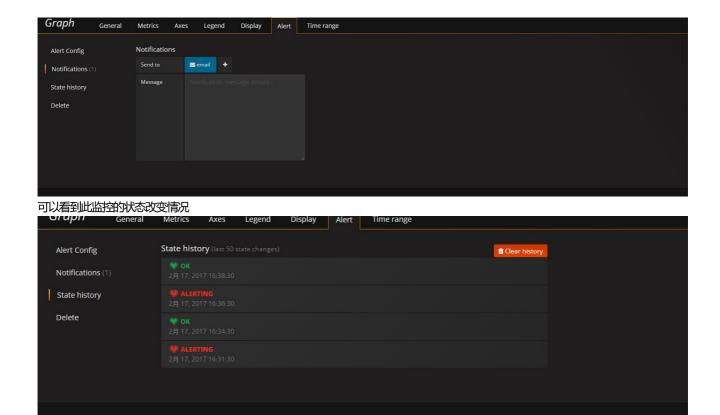
# Makes it possible to turn off alert rule execution. execute\_alerts = true

#### 3.测试



#### 5.配置报警





配置slack报警

https://slack.com

创建一个新的团队



# Create a new team

Your email address



It's ok to send me (very occasional) email about the Slack service.



输入您的邮件中的6位数确认码



## Confirm your email with the following code

Thank you for signing up for Slack. We're happy you're here!

Enter the following code in the window where you began creating your new Slack team:

370-155

This email contains private information about your team — please do not forward. If you have any questions, email us at feedback@slack.com.

Cheers,

The team at Slack

#### 输入您的名字

# What's your name?

Your name will be displayed along with your messages in Slack.

#### Your name

di

luo

#### Username

luodi

Usernames must be all lowercase, with no spaces. They can only contain letters, numbers, periods, hyphens, and underscores.

Continue to Password →

设置您的密码

# Set your password

Choose a password for signing in to Slack.

#### Password



Passwords must be at least 6 characters long, and can't be things like *password*, 123456 or *abcdef*.

Continue to Team Info →

#### 配置团队类型

# Tell us about your team

What will your team use Slack for?

Work

Great! What kind of company is it?

Technology

Last one: How big is your company?

1-10 people

▼

Continue to Company Name →



# What's your company called?

# Company name

ΙT

We'll use this to name your Slack team, which you can always change later.

Continue to Team Domain →

配置团队域名

# What web domain do you want for your Slack team?

Choose the address you'll use to sign in to Slack.

Your team domain (letters, numbers, and dashes only)



Create Team →



## Review the Terms

By clicking "I Agree", you understand and agree to the Contract on behalf of the Customer (as described in our <u>Customer Terms of Service</u>), and to our <u>Privacy Policy</u>.

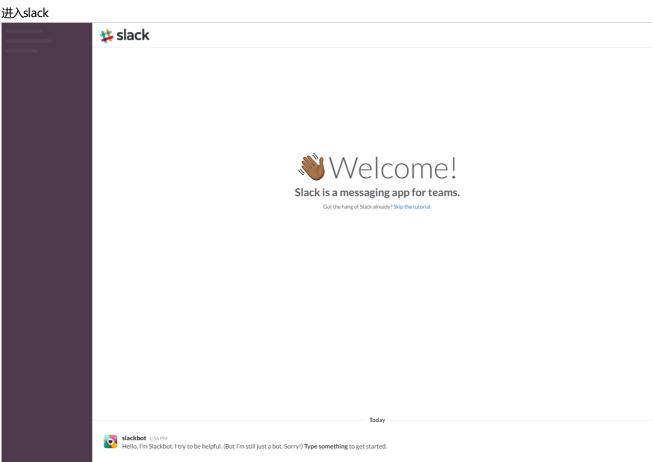
**I** Agree

跳过给好友发信息

## Send Invitations

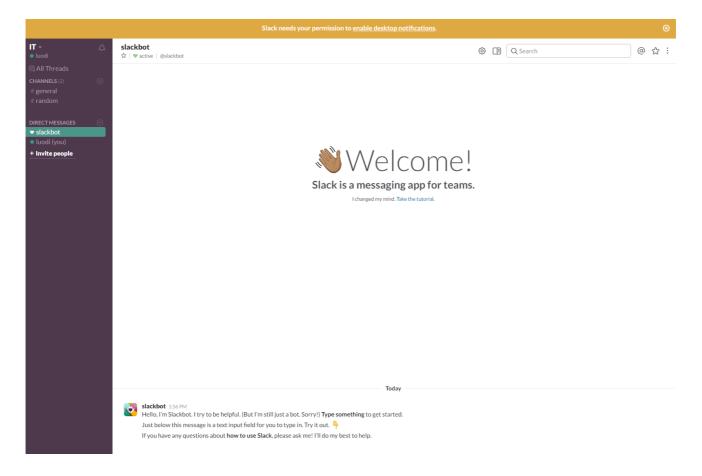
Your Slack team is ready to go. Know a few friends or coworkers who'd like to explore Slack with you?

## **Email address** + Add another invitation name@example.com name@example.com name@example.com ✓ Let people on your team sign up with their verified @menpuji.com email address Or, you can get an invite link to share with your teammates. **Send Invitations** Skip For Now



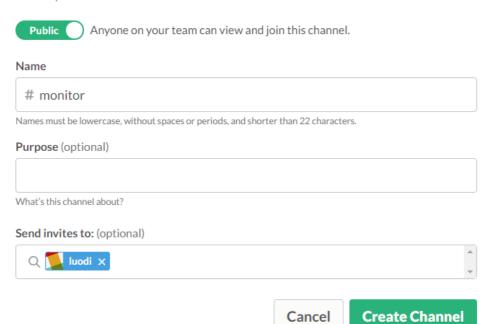


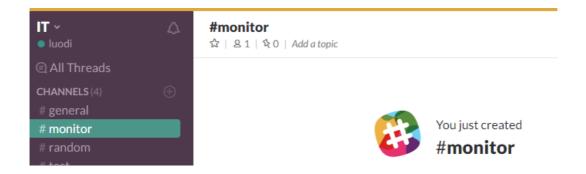
I changed my mind. Take the tutorial.



## **Create a channel**

Channels are where your team communicates. They're best when organized around a topic - #leads, for example.





配置webhooks

https://api.slack.com/incoming-webhooks

1.需要添加一个webhook的入站集成

## **Incoming Webhooks**

#### Send data into Slack in real-time.

Incoming Webhooks are a simple way to post messages from external sources into Slack. They make use of normal HTTP requests with a JSON payload that includes the message text and some options. Message Attachments can also be used in Incoming Webhooks to display richly-formatted messages that stand out from regular chat messages.

Start by setting up an incoming webhook integration in your Slack team to try these features out:

- 1. Sending messages
- 2. Adding links
- 3. Customizations for custom integrations
- 4. Make it fancy with advanced formatting
- 5. Putting it all together
- 6. Distributing as a Slack app

Use curl, a simple, ubiquitous tool for sending HTTP requests on the command line, for the curl examples that follow.

#### 选择Post到哪个Channel中

C - - - - I! - - -

Browse apps > Custom Integrations > Incoming WebHooks > New configuration



#### Incoming WebHooks

Send data into Slack in real-time.

Incoming Webhooks are a simple way to post messages from external sources into Slack. They make use of normal HTTP requests with a JSON payload, which includes the message and a few other optional details described later.

Message Attachments can also be used in Incoming Webhooks to display richly-formatted messages that stand out from regular chat messages.

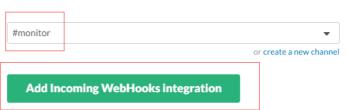


#### New to Slack integrations?

 $Check out our {\color{red} \textbf{Getting Started}} \ guide \ to \ familiarize \ yourself \ with \ the \ most \ common \ types \ of \ integrations, \ and \ tips \ to \ keep \ in \ mind$ while building your own. You can also register as a developer to let us know what you're working on, and to receive future updates to our APIs.

#### Post to Channel

Start by choosing a channel where your Incoming Webhook will post messages to.



By creating an incoming webhook, you agree to the Slack API Terms of Service.

#### **Setup Instructions**

We'll guide you through the steps necessary to configure an Incoming Webhook so you can start sending data to Slack.

close

#### Webhook URL

https://hooks.slack.com/services/T4C01CE2Y/

#### **Sending Messages**

You have two options for sending data to the Webhook URL above:

- Send a JSON string as the payload parameter in a POST request
- Send a JSON string as the body of a POST request

For a simple message, your JSON payload could contain a text property at minimum. This is the text that will be posted to the channel. A simple example:

payload={"text": "This is a line of text in a channel.\nAnd this is another 4

This will be displayed in the channel as:



testing-bot 11:41 AM

This is a line of text in a channel. And this is another line of text.

#### Adding links

To create a link in your text, enclose the URL in <> angle brackets. For example: payload={"text": "<https://slack.com>"} will post a clickable link to https://slack.com. To display hyperlinked text instead of the actual URL, use the pipe character, as shown in this example:

payload={"text": "A very important thing has occurred! <a href="https://alert-systemaps.curred">https://alert-systemaps.curred</a>!

This will be displayed in the channel as:



testing-bot 11:42 AM

A very important thing has occurred! Click here for details!

#### 点击保存

#### Customize Icon

Change the icon that is used for messages from this integration.



Choose an emoji

#### Preview Message

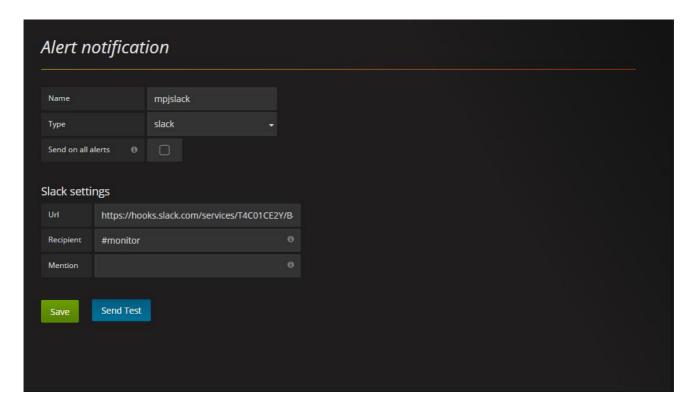
Here's what messages from this integration will look like in Slack.



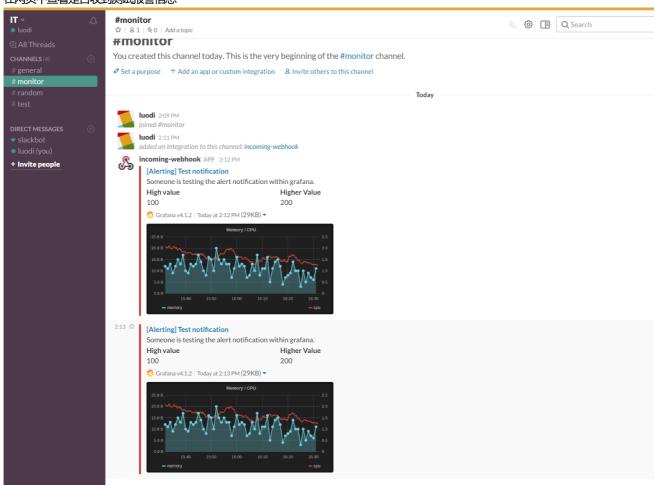
incoming-webhook APP 2:11 PM

This is what messages from this service will look like in Slack.

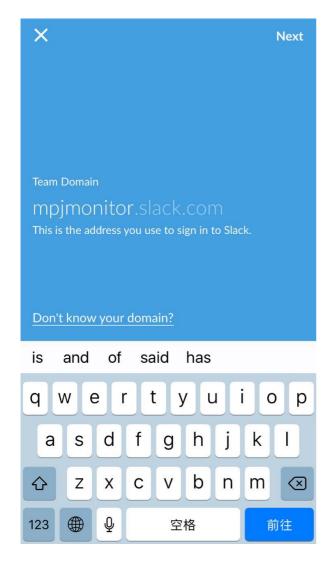
**Save Settings** 



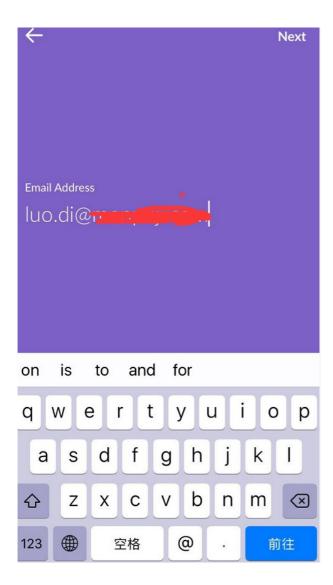
#### 在网页中查看是否收到测试报警信息



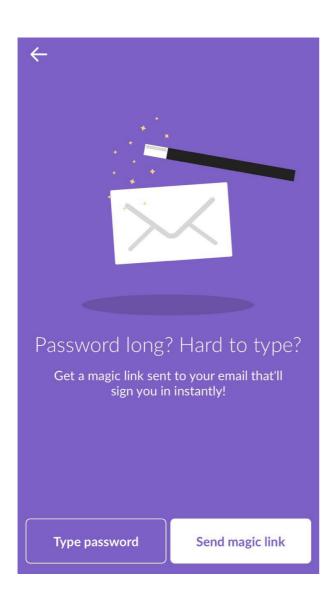
在手机中下载一个Slack

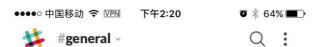


输入邮箱登录



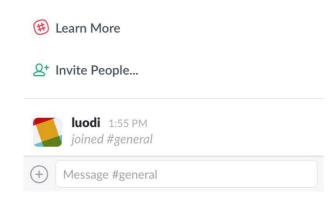
输入密码



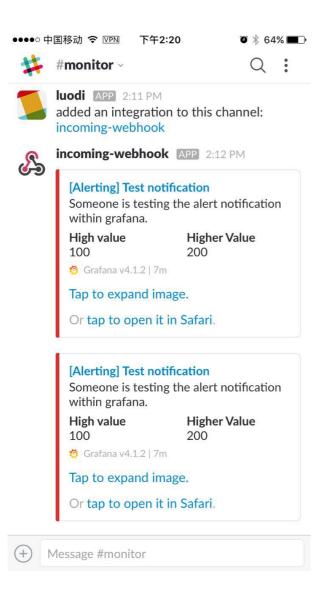


### Welcome!

Slack is a messaging app for groups of people who work together. You can send updates, share files, and organize conversations so that everyone is in the loop.



点击Logo切换到monitor通道



#### 配置报警即可:

