



链滴

InfluxDB、Grafana 与 influxdata 其它软件 ， 构建性能监控平台

作者: [450370050](#)

原文链接: <https://ld246.com/article/1525678208815>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

介绍

Telegraf 类似agent，可收集系统和服务的统计数据，并写入到 InfluxDB 数据库

InfluxDB 时序数据库

Chronograf web控制面板

Kapacitor 监控报警，处理时序数据

安装

<https://portal.influxdata.com/downloads>

InfluxDB

```
wget https://dl.influxdata.com/influxdb/releases/influxdb-1.5.2.x86_64.rpm
sudo yum localinstall influxdb-1.5.2.x86_64.rpm
```

暂不更改InfluxDB配置 直接启动

```
[root@iZ2zecfp183kc1hq3nfk3kZ influxdb]# service influxdb start
Starting influxdb...
influxdb process was started [ OK ]
```

Telegraf

```
wget https://dl.influxdata.com/telegraf/releases/telegraf-1.6.1-1.x86_64.rpm
sudo yum localinstall telegraf-1.6.1-1.x86_64.rpm
```

修改Telegraf的hostname

```
vi /etc/telegraf/telegraf.conf
hostname = "xxx.xxx.xxx.xxx"
```

```
[root@iZ2zecfp183kc1hq3nfk3kZ /]# service telegraf start
Starting the process telegraf [ OK ]
telegraf process was started [ OK ]
```

Kapacitor

```
wget https://dl.influxdata.com/kapacitor/releases/kapacitor-1.4.1.x86_64.rpm
sudo yum localinstall kapacitor-1.4.1.x86_64.rpm
```

```
[root@iZ2zecfp183kc1hq3nfk3kZ kapacitor]# service kapacitor start
```

```
Starting the process kapacitor [ OK ]
kapacitor process was started [ OK ]
```

Chronograf

web面板我下载的windows版本

https://dl.influxdata.com/chronograf/releases/chronograf-1.4.4.2_windows_amd64.zip
unzip chronograf-1.4.4.2_windows_amd64.zip

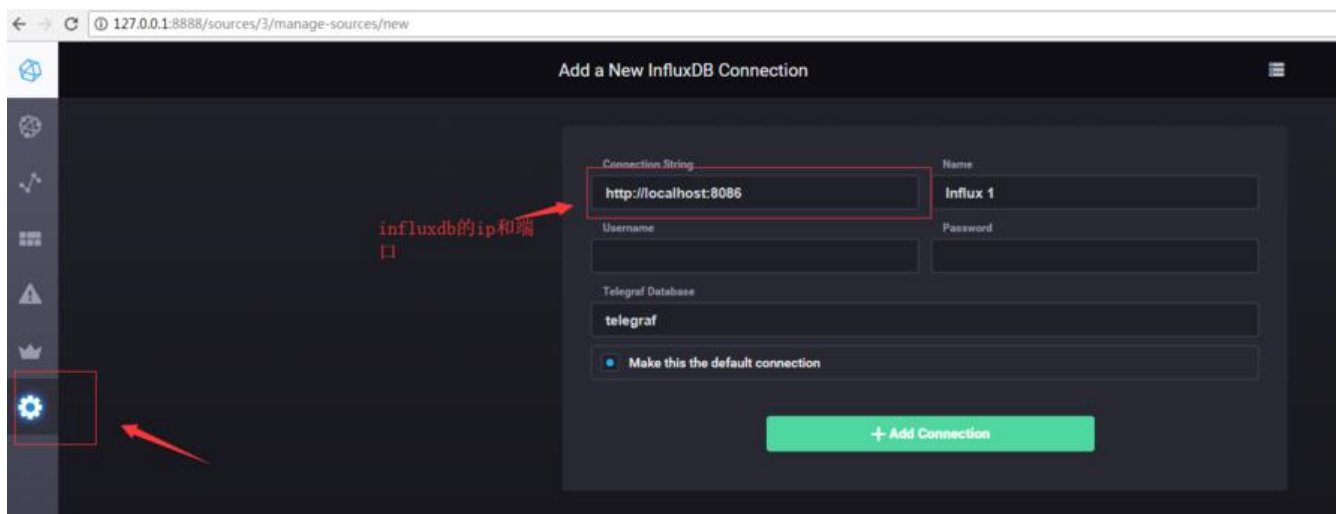
直接运行chronograf.exe启动

使用

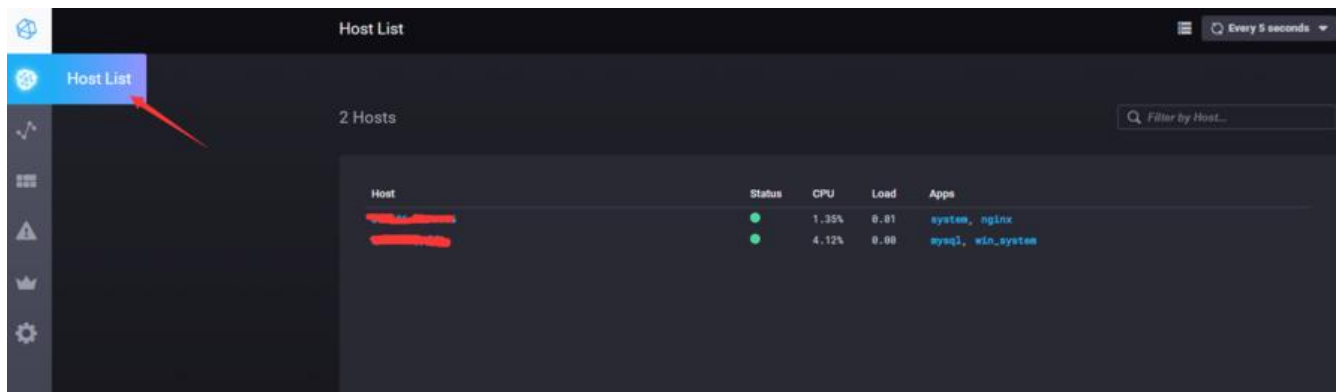
Chronograf 默认监听8888端口

访问<http://127.0.0.1>

1、设置InfluxDb的ip+port



2、查看当前有Telegraf的Host



3、查看dashboard

点击host 和 apps列下面的 mysql, nginx可以查看当前的统计面板



Telegraf配置

telegraf已经实现了很多服务的监听，例如常见的 mysql、nginx、apache、redis

nginx监控

配置nginx我们只需要增加nginx的配置

```
vi /etc/telegraf/telegraf.conf
# Read Nginx's basic status information (ngx_http_stub_status_module)
[[inputs.nginx]]
  ## An array of Nginx stub_status URI to gather stats.
  urls = ["http://localhost/server_status"]

  ## Optional TLS Config
  # tls_ca = "/etc/telegraf/ca.pem"
  # tls_cert = "/etc/telegraf/cert.pem"
  # tls_key = "/etc/telegraf/key.pem"
  ## Use TLS but skip chain & host verification
  # insecure_skip_verify = false

  ## HTTP response timeout (default: 5s)
  response_timeout = "5s"
```

当然 nginx 首先要开启stub_status， 可以通过 nginx -V 查看是否编译stub_status Module

其它监控

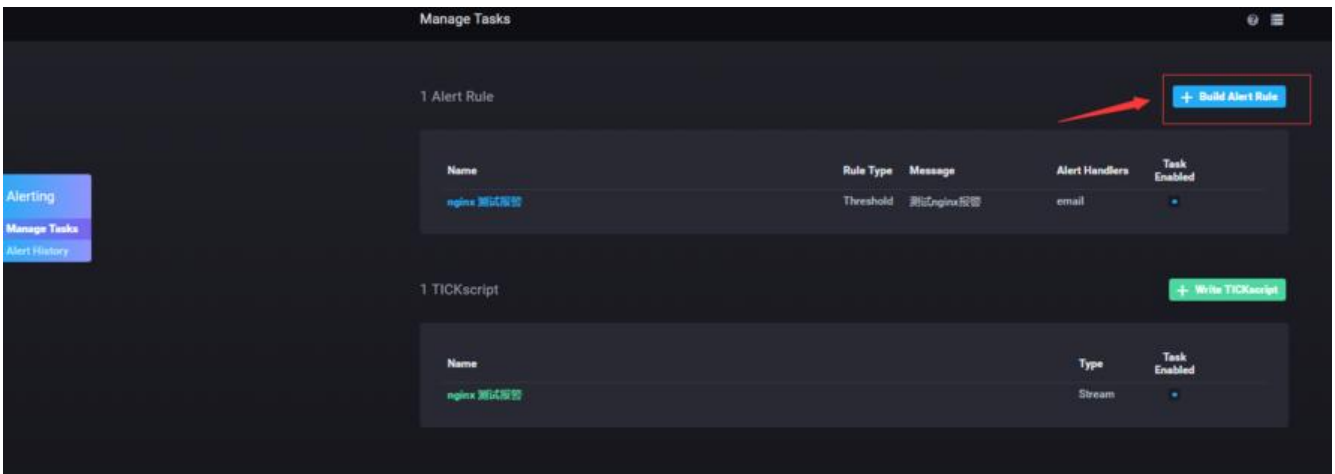
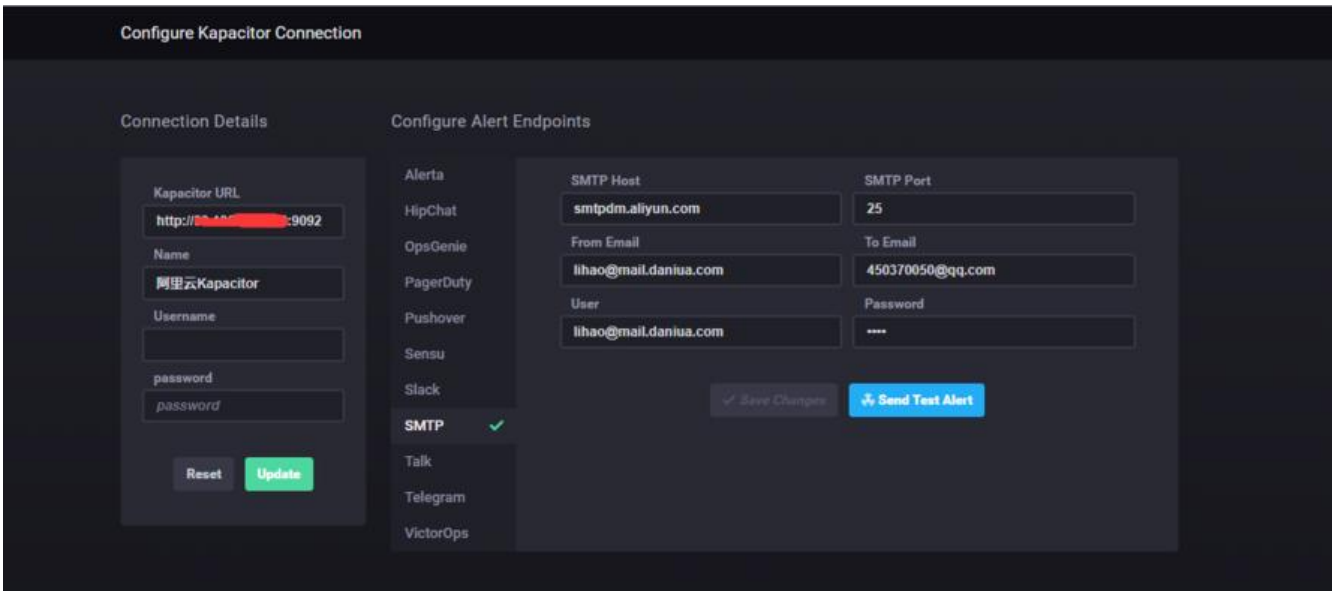
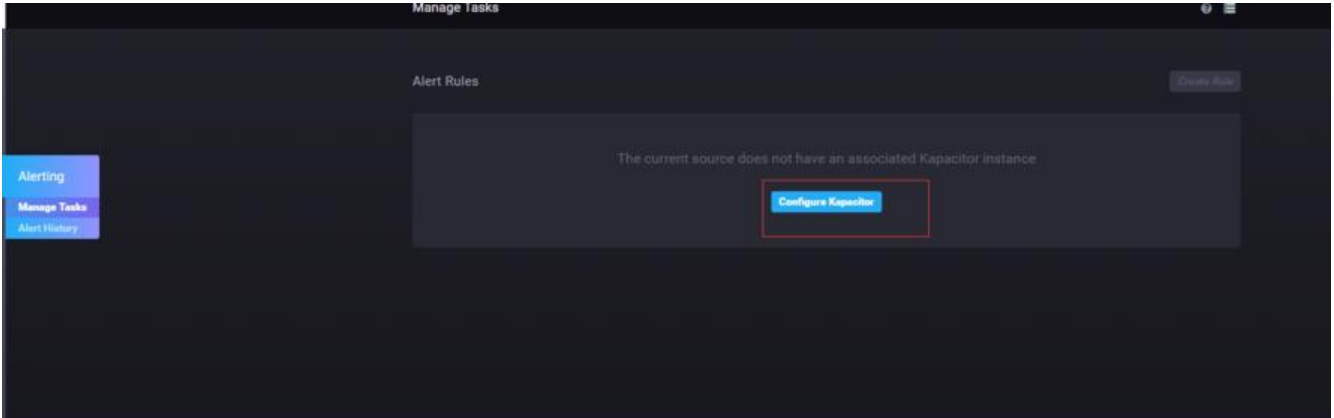
github中其它的inputs plugin

<https://github.com/influxdata/telegraf/tree/master/plugins/inputs>

Kapacitor

Kapacitor 可以监控数据，设置提醒

- 1、设置Kapacitor服务的ip+port
- 2、设置报警方式,smtp发送邮件
- 3、设置监控任务



Alert Rule Builder

Name: nginx 测试报警

Alert Type: Choose One: Threshold Relative Deadman

Time Series

DB.RetentionPolicy	Measurements & Tags	Fields
_internal.monitor chronograf.autogen telegraf.autogen	nginx host - 1 port - 1 server - 1 processes swap	requests mean median count min max sum first last spread stddev

Conditions

Send Alert where spread is greater than 5

Preview Data from Past 15 mi...

Alert Handlers

Send this Alert to: Add another H...

email

Parameters from Kapacitor Configuration

From E-mail	SMTP Host	SMTP Port
lihao@mail.daniua.com	smtpdm.aliyun.com	25

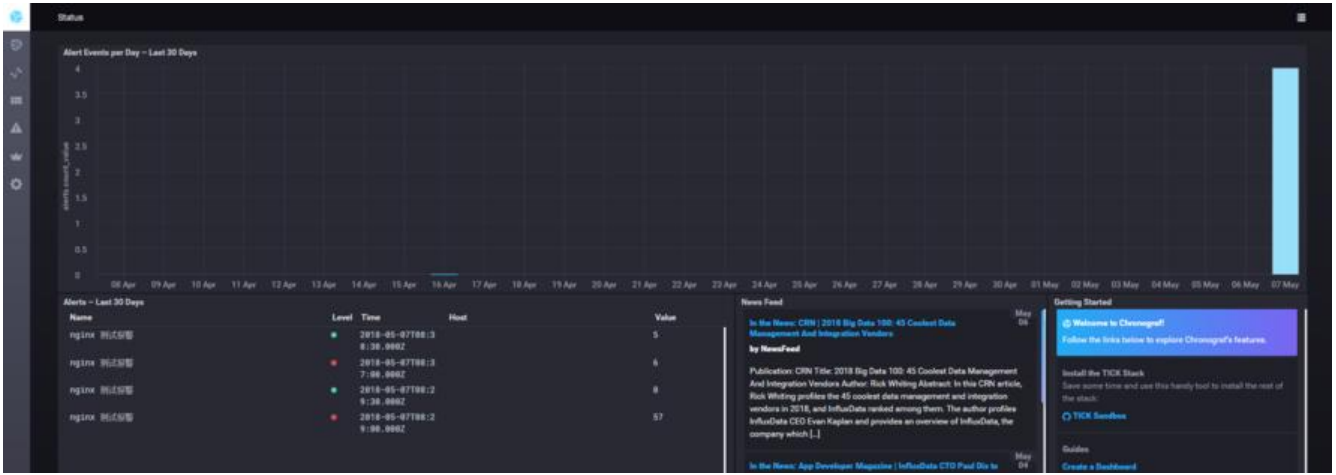
Parameters for this Alert Handler

Recipient E-mail Addresses: (separated by spaces)

450370050@qq.com

测试nginx报警

为了方便测试，设置的数值特别低。面板首页可以看到报警的记录



Grafana

Grafana是一个牛逼的Dashboard开源软件<https://grafana.com/>

Grafana可以设置数据源为InfluxDB, 替代influxdata中的Chronograf

