

docker+telegraf+grafana 监控docker容器内的Redis

1. 创建telegraf.conf文件

```
# Configuration for sending metrics to InfluxDB
[[outputs.influxdb]]
    ## The full HTTP or UDP URL for your InfluxDB instance.
    ##
    ## Multiple URLs can be specified for a single cluster, only ONE of th
e
    ## urls will be written to each interval.
    # urls = ["unix:///var/run/influxdb.sock"]
    # urls = ["udp://127.0.0.1:8089"]
    urls = ["http://127.0.0.1:8086"]

    ## The target database for metrics; will be created as needed.
    database = "redismonitor"

    ## If true, no CREATE DATABASE queries will be sent. Set to true when
using
    ## Telegraf with a user without permissions to create databases or whe
n the
    ## database already exists.
    ## https://github.com/influxdata/telegraf/issues/3870
    ## 设置为false自动创建会出现 405 method not allowed(应该是版本兼容的问题), 更改为手动创建数据, 设置为true。
    skip_database_creation = true

    ## Name of existing retention policy to write to. Empty string writes
to
    ## the default retention policy.
    # retention_policy = ""

    ## Write consistency (clusters only), can be: "any", "one", "quorum",
    "all"
    # write_consistency = "any"

    ## Timeout for HTTP messages.
    # timeout = "5s"
```

```
## HTTP Basic Auth
username = "username"
password = "password"

## HTTP User-Agent
# user_agent = "telegraf"

## UDP payload size is the maximum packet size to send.
# 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

## HTTP Proxy override, if unset values the standard proxy environment
## variables are consulted to determine which proxy, if any, should be
used.
# http_proxy = "http://corporate.proxy:3128"

## Additional HTTP headers
# http_headers = {"X-Special-Header" = "Special-Value"}

## HTTP Content-Encoding for write request body, can be set to "gzip"
to
## compress body or "identity" to apply no encoding.
# content_encoding = "identity"

## When true, Telegraf will output unsigned integers as unsigned value
s,
## i.e.: "42u". You will need a version of InfluxDB supporting unsign
ed
## integer values. Enabling this option will result in field type err
ors if
## existing data has been written.
# influx_uint_support = false

# https://grafana.com/grafana/dashboards/6908
# https://github.com/influxdata/telegraf/tree/master/plugins/inputs/redi
```

```

s
# Read Redis's basic status information
[[inputs.redis]]
    ## specify servers via a url matching:
    ## [protocol://][:password]@address[:port]
    ## e.g.
    ##     tcp://localhost:6379
    ##     tcp://:password@127.0.0.1
    ##
    ## If no servers are specified, then localhost is used as the host.
    ## If no port is specified, 6379 is used
    servers = ["tcp://127.0.0.1:6379"]

    ## specify server password
    password = "password"

    ## 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 = true

```

手动创建账号密码和数据库：

```

create user "username" with password 'password';
create database redismonitor;

```

2. 使用容器启动telegraf

```

docker pull telegraf
docker run -d --name=telegraf-redis -v /root/telegraf.conf:/etc/telegraf/telegraf.conf -e input-filter=redis telegraf

```

3. 下载redison-dashbaord.json文件

下载链接：<https://grafana.com/grafana/dashboards/6908>



Redis Server by adj009

DASHBOARD

A Redis Server Performance Dashboard

Last updated: 2 years ago

Downloads: 1462

Reviews: 0

Add your review!

Overview

Revisions

Reviews



Performance Monitoring for Redis Server with General, CPU, Stats and Memory monitoring.

Requirements - InfluxDB, Telegraf with Redis Plugin

Collector Configuration Details

Telegraf Configuration File

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

Get this dashboard:

6908

Copy ID to Clipboard

Download JSON

[How do I import this dashboard?](#)

Dependencies:

GRAFANA 5.2.1


GRAPH 5.0.0

INFLUXDB 5.0.0

注意数据源名称配置，默认数据源名称是(influxdb)，需要与在grafana创建的名称保持一致：

```
{
  "__inputs": [
    {
      "name": "DS_INFLUXDB",
      "label": "InfluxDB",
      "description": "",
      "type": "datasource",
      "pluginId": "influxdb",
      "pluginName": "InfluxDB"
    }
  ],
  "__requires": [
    {
      "type": "grafana",
      "id": "grafana",
      "name": "Grafana",
      "version": "5.2.1"
    },
    {
      "type": "panel",
      "id": "graph",
      "name": "Graph",
      "version": "5.0.0"
    },
    {
      "type": "datasource",
      "id": "influxdb",
      "name": "Redis InfluxDB",
      "version": "5.0.0"
    },
    {
      "type": "panel",
      "id": "singlestat",
      "name": "Singlestat",
      "version": "5.0.0"
    }
  ],
  "annotations": {
```

4. Grafana创建influxdb数据源



Data Sources / Redis_InfluxDB

Type: InfluxDB

Settings

Name

Redis_InfluxDB

Default

☐

HTTP

URL

http://[REDACTED]:6

Access

Server (default)

Help ▶

Whitelisted Cookies

Add Name

Add

Auth

Basic auth

☐

With Credentials

☐

TLS Client Auth

☐

With CA Cert

☐

Skip TLS Verify

☐

Forward OAuth Identity

☐

InfluxDB Details

Database

redismonitor

User

redismonitor

Password

configured

reset

HTTP Method

Choose

▼

5. 导入dashboard.json文件

The image shows the Grafana Dashboards management interface. The top navigation bar includes 'Dashboards', 'Manage', 'Playlists', and 'Snapshots'. The 'Dashboards' menu is open, showing 'Home', 'Manage', 'Playlists', and 'Snapshots'. The 'Manage' option is highlighted. The 'Import' button is visible in the top right corner. Below the navigation bar, there is a search bar 'Find Dashboard by name' and buttons for 'New Dashboard', 'New Folder', and 'Import'. The 'Import' button is highlighted with a red box.

The 'Import' dialog is shown below. It has a title 'Import' and a subtitle 'Import dashboard from file or Grafana.com'. There are three main sections:

- Grafana.com Dashboard**: A text input field for 'Paste Grafana.com dashboard url or id'.
- Or paste JSON**: A large text area for pasting JSON content.
- Upload .json file**: A button to upload a JSON file, highlighted with a red box and the text '导入文件' (Import file).

At the bottom of the dialog is a blue 'Load' button.

Red annotations in the image include:

- '导入文件' (Import file) next to the 'Upload .json file' button.
- '选择ID' (Select ID) next to the 'Grafana.com Dashboard' input field.
- '粘贴.json内容' (Paste JSON content) next to the 'Or paste JSON' text area.
- '三种方式三选一，选择下载导入的.json文件' (Choose one of three ways, choose the downloaded/imported .json file) at the bottom right.



Import

Import dashboard from file or Grafana.com

Importing Dashboard from [Grafana.com](#)

Published by

Updated on

Options

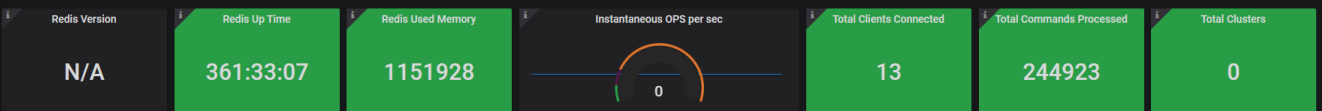
Name	Redis Server	✓
Folder	General	▼
Unique identifier (uid)	value set	change
InfluxDB	Select a InfluxDB data source	
	Select a InfluxDB data source	
	Redis_InfluxDB	
	influx	

Import

Cancel

Host c3f8c4bc8413 Server app059.xiaogj.com Instance None

General View



> CPU (2 panels)

> Stats (6 panels)

> Memory (4 panels)