Grafana插件安装并接入zabbix(第四篇)

一、在线安装插件

如果不指定插件安装位置,则默认安装位置为/var/lib/grafana/plugins;插件安装后需要重启grafanaserver。

安装插件前,我们先来看一下插件安装命令grafana-cli的使用,如下图所示。

```
[root@monitor01 ~]# grafana-cli -h
NAME:
Grafana CLI - A new cli application

USAGE:
grafana-cli [global options] command [command options] [arguments...]

VERSION:
6.7.3

AUTHOR:
Grafana Project <hello@grafana.com>

COMNANDS:
plugins Manage plugins for grafana admin commands
help, h Shows a list of commands or help for one command

GLOBAL OPTIONS:
--pluginsDir value
--repo value
--pluginsDir value
--loseCure
--loseCure
--deby
--configoverrides value
--confi
```

```
[root@monitor01 ~]# grafana-cli plugins
NAME:
    Grafana CLI plugins - Manage plugins for grafana
    Grafana CLI plugins command [command options] [arguments...]
COMMANDS:
                                          install <plugin id> <plugin version (optional)> list remote available plugins list-versions <plugin id> update <plugin id> update all your installed plugins list all installed plugins uninstall <plugin id> Shows a list of commands or help for one commands.
    install
    list-remote
    list-versions
    update, upgrade
update-all, upgrade-all
    uninstall, remove
    help, h
                                           Shows a list of commands or help for one command
OPTIONS:
               -h
                          show help (default: false)
    --version, -v print the version (default: false)
```

接下来,我们来安装zabbix插件alexanderzobnin-zabbix-app,如下图所示。

grafana-cli plugins install alexanderzobnin-zabbix-app

```
root@monitor01 plugins]# grafana-cli plugins install alexanderzobnin-zabbix-app
installing alexanderzobnin-zabbix-app @ 3.11.0
from: https://grafana.com/api/plugins/alexanderzobnin-zabbix-app/versions/3.11.0/download
into: /var/lib/grafana/plugins

Installed alexanderzobnin-zabbix-app successfully

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

我们发现,插件仍然安装到/var/lib/grafana下了,先前不是已经修改了插件安装目录到/data/grafana/plugins 了么?原因是grafana-cli命令中还写了对应的环境变量,来看看/usr/sbin/grafana-cli文件,其实就是一个shell 脚本,如下图所示。

```
[root@monitor01 ~]# cat /usr/sbin/grafana-cli
#! /usr/bin/env bash
# Wrapper for the grafana-cli binary
# This file serves as a wrapper for the grafana-cli binary. It ensures we set
# the system-wide Grafana configuration that was bundled with the package as we
# use the binary.
DEFAULT=/etc/default/grafana
GRAFANA_HOME=/usr/share/grafana
CONF_DIR=/etc/grafana
DATA_DIR=/var/lib/grafana
PLUGINS_DIR=/var/lib/grafana/plugins
LOG_DIR=/var/log/grafana
CONF_FILE=$CONF_DIR/grafana.ini
PROVISIONING_CFG_DIR=$CONF_DIR/provisioning
EXECUTABLE=$GRAFANA_HOME/bin/grafana-cli
if [ ! -x $EXECUTABLE ]; then
  echo "Program not installed or not executable"
 exit 5
# overwrite settings from default file
if [ -f "$DEFAULT" ]; then
__. "$DEFAULT"
OPTS="--homepath=${GRAFANA_HOME} \
         --config=${CONF_FILE} \
--pluginsDir=${PLUGINS_DIR} \
--configOverrides='cfg:default.paths.provisioning=$PROVISIONING_CFG_DIR \
                                      cfg:default.paths.data=${DATA_DIR}
cfg:default.paths.logs=${LOG_DIR}
                                      cfg:default.paths.plugins=${PLUGINS_DIR}'"
eval $EXECUTABLE "$OPTS" "$@"
```

grafana的环境变量在多个文件中有定义,比如/etc/sysconfig/grafana-server、/usr/sbin/grafana-cli、/etc/init.d/grafana-server,个人觉得不是很友好。

使用--pluginsDir指定安装路径

grafana-cli --pluginsDir=/data/grafana/plugins plugins install alexanderzobnin-zabbix-app

也可以直接修改/usr/sbin/grafana-cli中插件默认安装路径,就不需要再指定路径 # rafana-cli plugins install alexanderzobnin-zabbix-app

重启grafana-server

systemctl restart grafana-server

二、手动下载离线安装插件

若插件安装时下载超时,可以手动下载安装

手动下载安装方式步骤如下:

第一步: 访问grafana官网 https://grafana.com/grafana/plugins?orderBy=weight&direction=asc https://grafana.com/grafana/plugins?orderBy=weight&direction=asc

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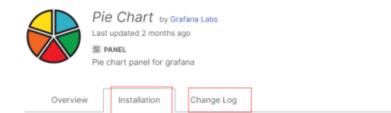
第二步: 查找要下载的插件, 如: Pie Chart



PANEL

第三步: 从Installation和Change Log中分别获取到插件名和版本号,得到下载地址

All Plugins » Pie Chart



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 within your Grafana.

1 Install the Panel

Use the grafana-cli tool to install Pie Chart from the commandline:

grafana-cli plugins install grafana-piechart-panel

All Plugins » Pie Chart



Overview

Installation

Change Log

Change Log

[1.4.0] - 2020-02-04

· Added combine option for legend

[1.3.9] - 2019-09-05

· Fixed dark/light mode text font colors: #189.

则下载地址为: https://grafana.com/api/plugins/ <https://grafana.com/api/plugins/> grafana-piechart-panel/versions/1.4.0/download

备注: 其实我们使用在线安全命令时就会给出下载地址, 如下图所示:

```
[root@monitor01 ~]# grafana-cli plugins install agenty-flowcharting-panel installing agenty-flowcharting-panel @ 0.8.1 from: https://grafana.com/api/plugins/agenty-flowcharting-panel/versions/0.8.1/download into: /var/lib/grafana/plugins
```

第四步:下载并解压到插件目录,重启grafana-server使生效。

wget https://grafana.com/api/plugins/grafana-piechart-panel/versions/1.4.0/download -O grafana-piechart-panel.zip < https://grafana.com/api/plugins/grafana-piechart-panel/versions/1.4.0/download%20-O%20grafana-piechart-panel.zip>

unzip grafana-piechart-panel.zip

mv grafana-piechart-panel-b707cd5//data/grafana/plugins/grafana-piechart-panel

systemctl restart grafana-server

常用插件下载

grafana-cli plugins install alexanderzobnin-zabbix-app

grafana-cli plugins install grafana-piechart-panel

grafana-cli plugins install agenty-flowcharting-panel

grafana-cli plugins install grafana-clock-panel

grafana-cli plugins install pierosavi-imageit-panel

grafana-cli plugins install jdbranham-diagram-panel

grafana-cli plugins install agenty-flowcharting-panel

wget https://grafana.com/api/plugins/alexanderzobnin-zabbix-app/versions/3.11.0/download

 $< https://grafana.com/api/plugins/alexanderzobnin-zabbix-app/versions/3.11.0/download > \ -O$

alexanderzobnin-zabbix-app-3.11.0.zip

wget https://grafana.com/api/plugins/grafana-piechart-panel/versions/1.5.0/download

https://grafana.com/api/plugins/grafana-piechart-panel/versions/1.5.0/download -O grafana-piechart-panel-1.5.0.zip

wget https://grafana.com/api/plugins/grafana-clock-panel/versions/1.0.3/download

https://grafana.com/api/plugins/grafana-clock-panel/versions/1.1.1/download -O grafana-clock-panel-1.0.3.zip

wget https://grafana.com/api/plugins/pierosavi-imageit-panel/versions/0.1.3/download

https://grafana.com/api/plugins/pierosavi-imageit-panel/versions/0.1.3/download -O pierosavi-imageit-panel-0.1.3.zip

wget https://grafana.com/api/plugins/agenty-flowcharting-panel/versions/0.8.1/download

https://grafana.com/api/plugins/agenty-flowcharting-panel/versions/0.8.1/download -O agenty-flowcharting-panel-0.8.1.zip

wget https://grafana.com/api/plugins/snuids-radar-panel/versions/1.4.4/download

https://grafana.com/api/plugins/snuids-radar-panel/versions/1.4.4/download -O snuids-radar-panel-1.4.4.zip

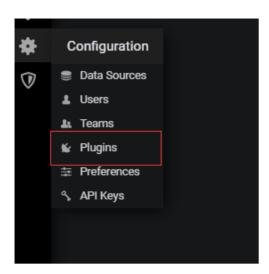
wget https://grafana.com/api/plugins/jdbranham-diagram-panel/versions/1.6.2/download

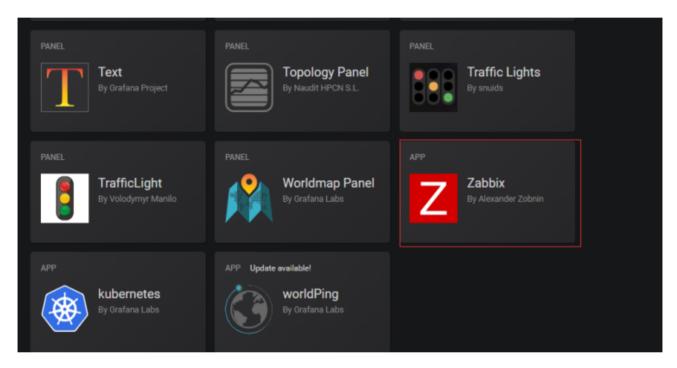
https://grafana.com/api/plugins/jdbranham-diagram-panel/versions/1.6.2/download -O jdbranham-diagram-panel-1.6.2.zip

三、配置Zabbix数据源

安装好alexanderzobnin-zabbix-app插件并重启grafana-server后,我们就可以在Plugins(插件)列表中看到 zabbix图标,如下图所示。

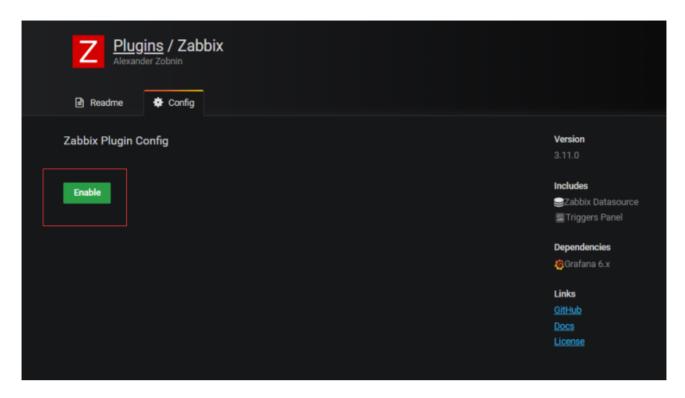
1



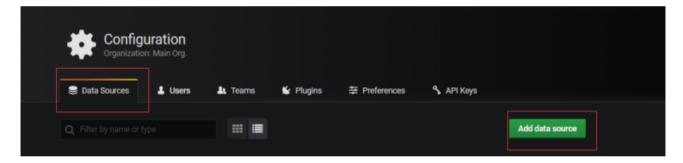


点击Zabbix图标,点击"Enable",激活Zabbix插件,如下图所示。

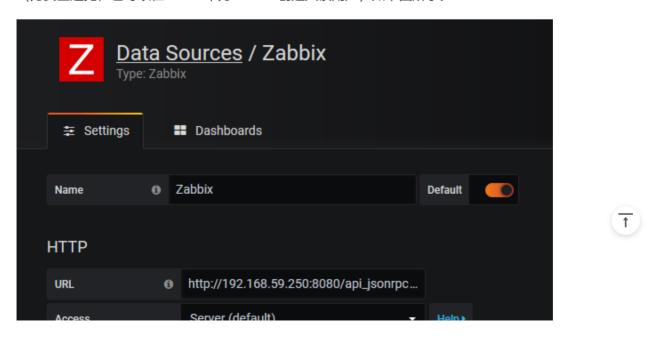
<u>†</u>

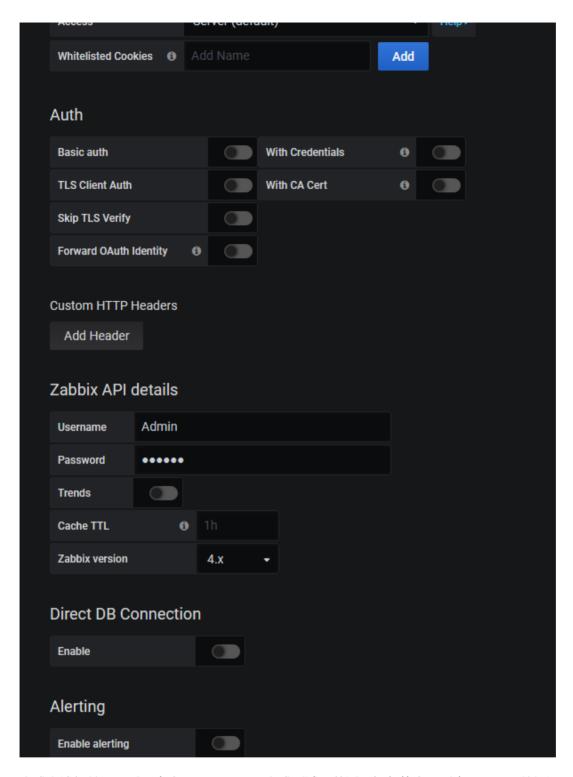


完成上述Enable操作后,再回到"Data Sources" 菜单,点击"Add data source",添加数据源,如下图所示。



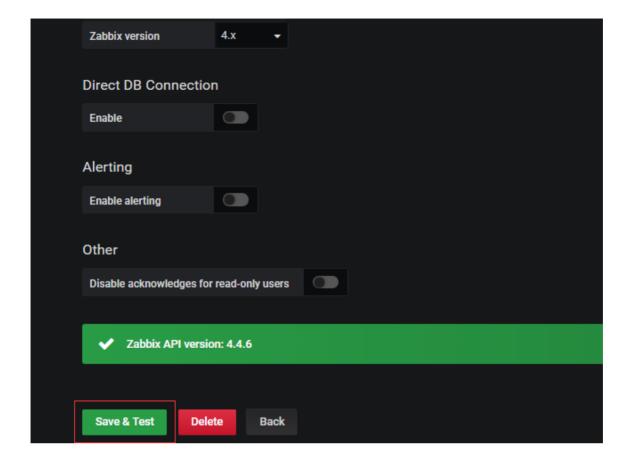
在URL栏输入Zabbix的接口地址,如http://192.168.59.250:8080/api_jsonrpc.php http://192.168.59.250:8080/api_jsonrpc.php,在Useranme和Password输入Zabbix的登录用户以及密码(为安全起见,也可以在Zabbix中为Grafana创建只读用户)如下图所示。





完成上述相关设置后,点击"Save & Test" 完成测试,若返回绿色状态,则表示Zabbix数据源配置成功,如下图所示。

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