

# 配置Sensu和其他动作给寄存器客户端

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## Introduction

本文描述如何配置一个Sensu服务器和其他动作对CloudCenter从服务器添加或去除工作人员虚拟机 (VMs)。

## Prerequisites

### Requirements

Cisco 建议您了解以下主题：

- CloudCenter动作
- Sensu

### Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment.All of the devices used in this document started with a cleared (default) configuration.If your network is live, make sure that you understand the potential impact of any command.

## 背景信息

Sensu是设计的程序监控机器的多种方面。它可以合并到CloudCenter里提供增加监控能力到所有配置的VM。此初排设计是显示的示例您如何能集成Sensu与与使用的CloudCenter动作。

## Configure

有直接访问到互联网的这在CentOS 7 VM设计运行。如果需要连接到代理，请实行配置，在您进行前。

打开流入和流出的这些端口：3000，3030，4567，5671，5672，6379。  
保证Sensu服务器有一个静态IP地址。

**Note:**是在代码块里面的所有设计复制和插入到终端。

### 安装Epel贮藏库

```
sudo yum -y install epel-release
```

### 安装占线小时

```
sudo yum -y install erlang
```

### 安装Redis，RabbitMQ，并且配置RabbitMQ

```
sudo rpm --import http://www.rabbitmq.com/rabbitmq-signing-key-public.asc
sudo rpm -Uvh http://www.rabbitmq.com/releases/rabbitmq-server/v3.4.1/rabbitmq-server-3.4.1-1.noarch.rpm
sudo rabbitmq-plugins enable rabbitmq_management
sudo yum -y install redis
sudo chkconfig redis on
sudo service redis start
sudo chkconfig rabbitmq-server on
sudo /etc/init.d/rabbitmq-server start
sudo rabbitmqctl add_vhost /sensu
sudo rabbitmqctl add_user sensu secret
sudo rabbitmqctl set_permissions -p /sensu sensu ".*" ".*" ".*"
```

### 注册Sensu贮藏库

```
echo '[sensu]
name=sensu-main
baseurl=http://repositories.sensuapp.org/yum/el/7/x86_64/
gpgcheck=0
enabled=1' |sudo tee /etc/yum.repos.d/sensu.repo
```

### 安装并且配置Sensu

```
sudo yum -y install sensu
sudo rm -f /etc/sensu/config.json.example
```

```
echo '{ "api": { "host": "localhost", "bind": "0.0.0.0", "port": 4567 } }' |sudo tee
/etc/sensu/conf.d/api.json
echo '{ "client": { "name": "sensu-server", "address": "127.0.0.1", "environment": "sensu",
"subscriptions": [ "linux"], "keepalive": { "handler": "mailer", "thresholds": { "warning": 250,
"critical": 300 } }, "socket": { "bind": "127.0.0.1", "port": 3030 } } }' |sudo tee
/etc/sensu/conf.d/client.json
echo '{ "rabbitmq": { "host": "127.0.0.1", "port": 5672, "vhost": "/sensu", "user": "sensu",
"password": "secret" } }' |sudo tee /etc/sensu/conf.d/rabbitmq.json
echo '{ "redis": { "host": "127.0.0.1", "port": 6379 } }' |sudo tee /etc/sensu/conf.d/redis.json
echo '{ "transport": { "name": "rabbitmq", "reconnect_on_error": true } }' |sudo tee
/etc/sensu/conf.d/transport.json
```

## Enable (event) Sensu服务

```
sudo chkconfig sensu-server on
sudo chkconfig sensu-client on
sudo chkconfig sensu-api on
sudo service sensu-server start
sudo service sensu-client start
sudo service sensu-api start
```

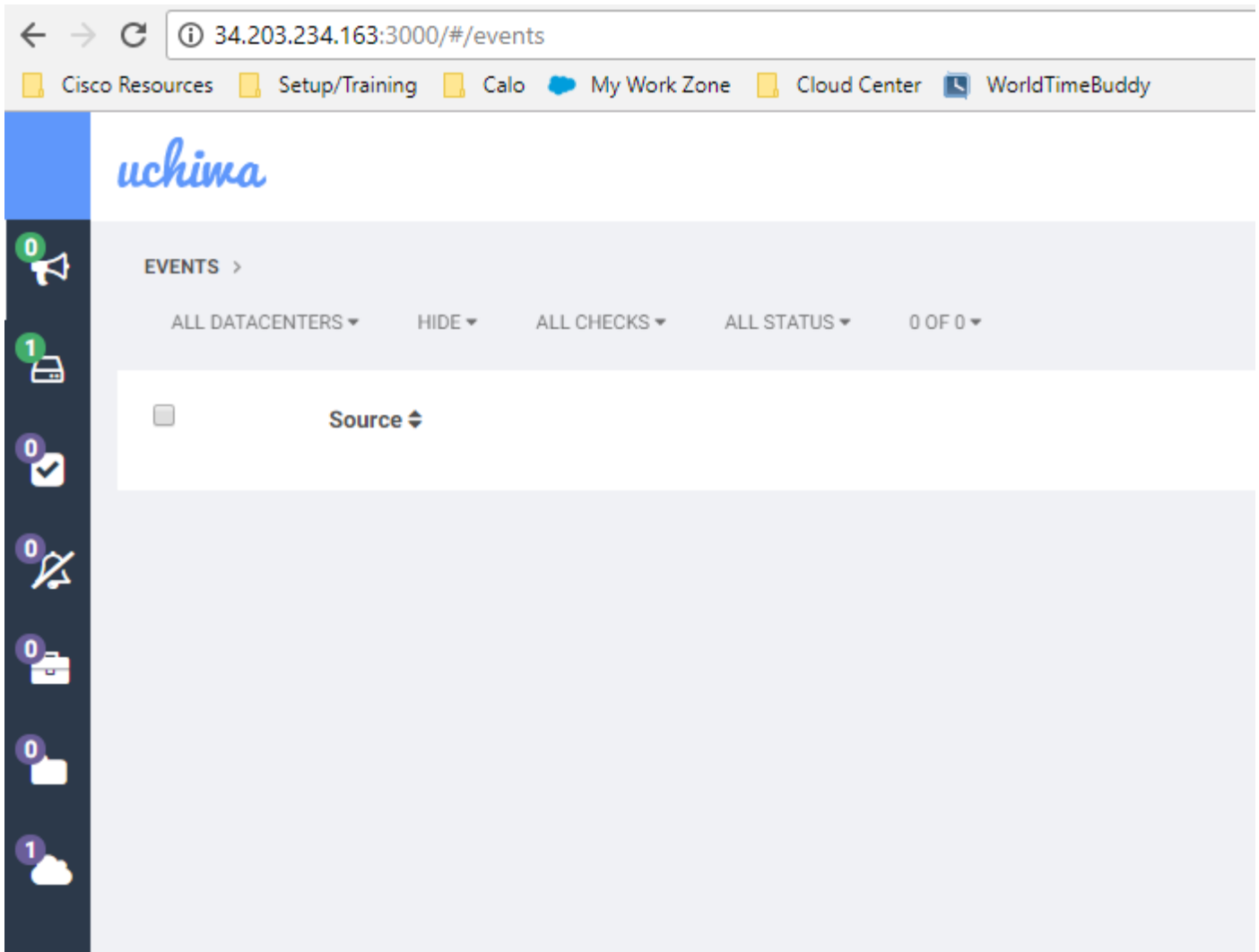
## 安装并且配置Uchiwa

```
sudo yum -y install uchiwa
echo '{
  "sensu": [
    {
      "name": "sensu",
      "host": "localhost",
      "port": 4567,
      "timeout": 10
    }
  ],
  "uchiwa": {
    "host": "0.0.0.0",
    "port": 3000,
    "refresh": 10
  }
}' |sudo tee /etc/sensu/uchiwa.json
```

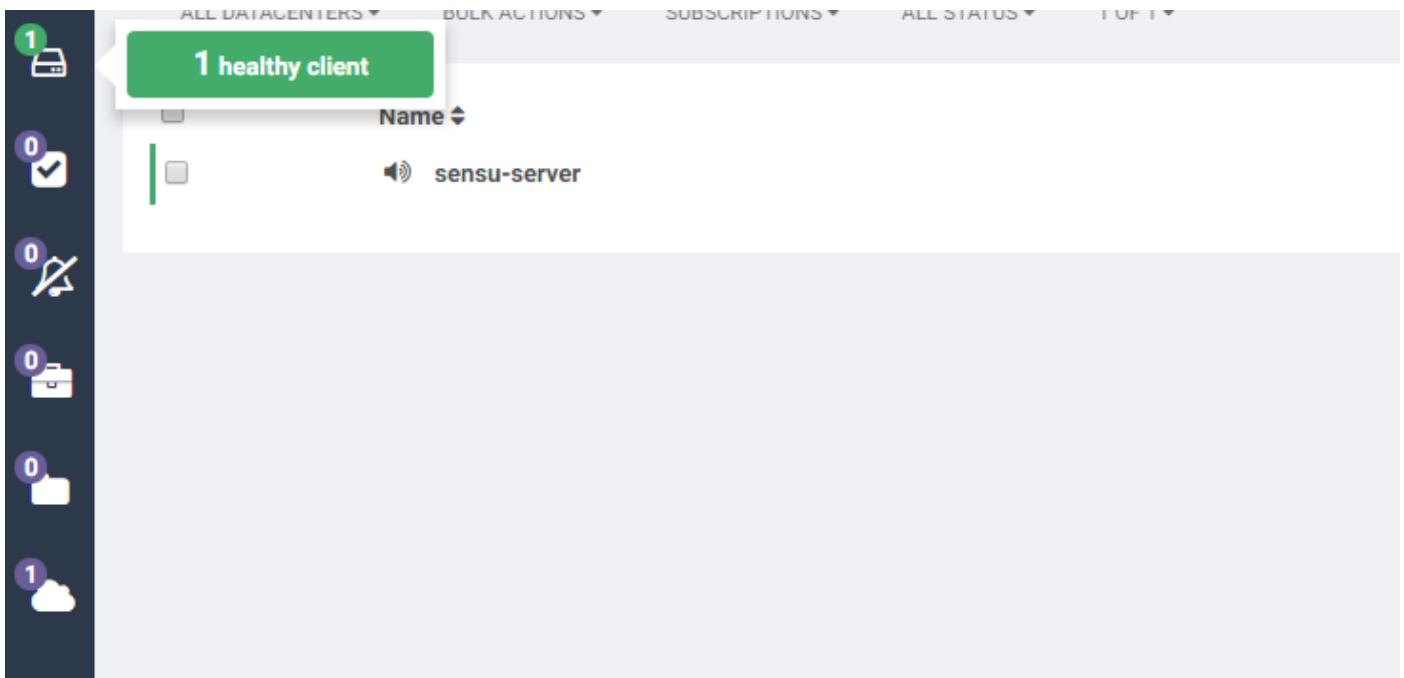
```
sudo chown uchiwa:uchiwa /etc/sensu/uchiwa.json sudo chmod 664 /etc/sensu/uchiwa.json sudo
chkconfig uchiwa on sudo service uchiwa start
```

## 验证服务器是否运行

连接对IP地址：**3000##/events**



这时，您应该有一个客户端被呼叫的Sensu服务器。



## 配置检查

```
echo '{
```

```

"checks": {
  "check-cpu-linux": {
    "handlers": ["mailer"],
    "command": "/opt/sensu/embedded/bin/check-cpu.rb -w 80 -c 90 ",
    "interval": 60,
    "occurrences": 5,
    "subscribers": [ "linux" ]
  }
}
}' |sudo tee /etc/sensu/conf.d/check_cpu_linux.json

echo '{ "checks": { "check-disk-usage-linux": { "handlers": ["mailer"], "type": "metric",
"command": "/opt/sensu/embedded/bin/check-disk-usage.rb", "interval": 60, "occurrences": 5,
"subscribers": [ "linux" ] } } }' |sudo tee /etc/sensu/conf.d/check_disk_usage_linux.json
echo '{ "checks": { "check_memory_linux": { "handlers": ["mailer"], "command":
"/opt/sensu/embedded/bin/check-memory-percent.rb -w 80 -c 90 ", "interval": 60, "occurrences":
5, "refresh": 1800, "subscribers": [ "linux" ] } } }' |sudo tee
/etc/sensu/conf.d/check_memory_linux.json
sudo sensu-install -p cpu-checks sudo sensu-install -p disk-checks sudo sensu-install -p memory-
checks

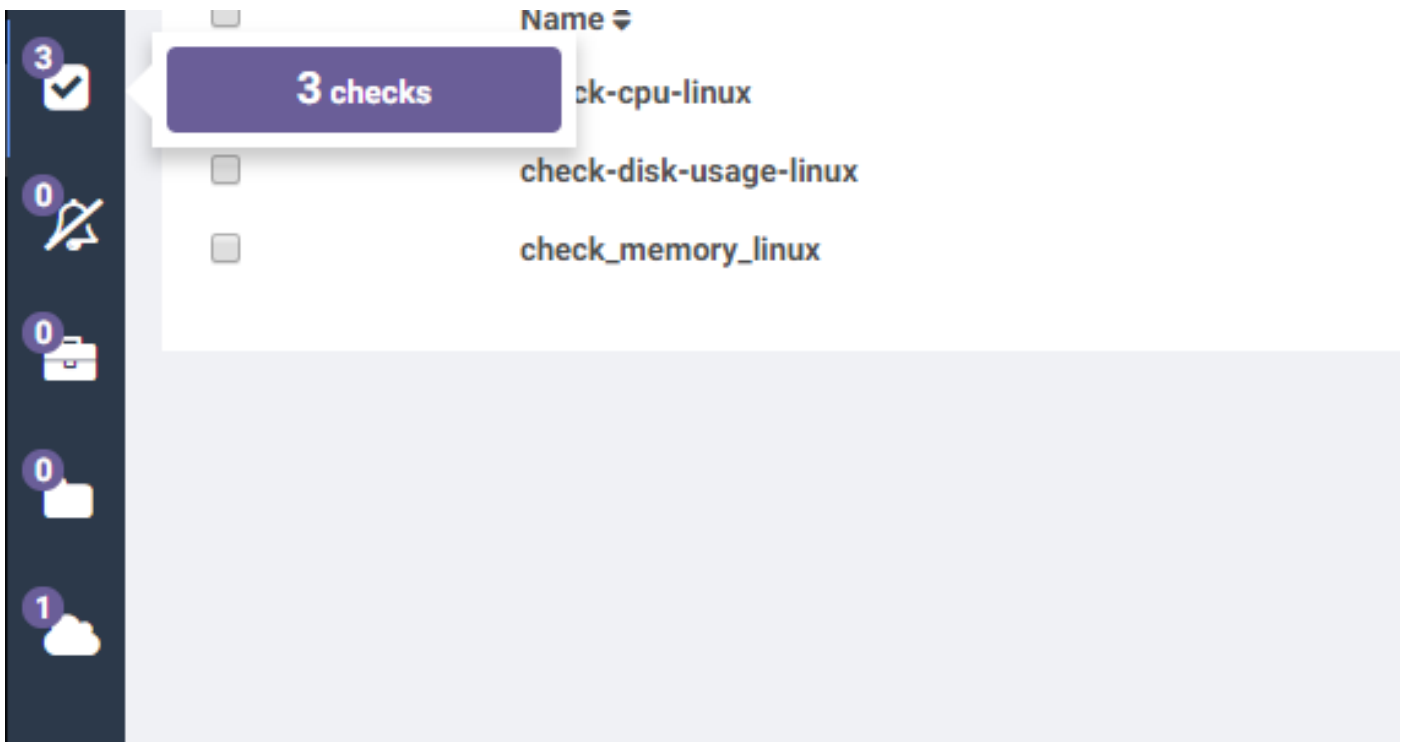
```

## 重新启动Sensu

```
sudo service sensu-client restart && sudo service sensu-server restart && sudo service sensu-api restart
```

在一分钟之后，您应该安排三检查列出。

如果点击Sensu服务器客户端，您看到从三的详细检查该设备。



## 更新动作脚本

1. 下载Sensu.zip。
2. 解压缩文件。
3. 编辑sensuinstall.sh。
4. 更改线路主机到" SensuServerIP"有Sensu服务器的IP地址。

```

21         handler: mailer,
22         "thresholds": {
23             "warning": 250,
24             "critical": 300
25         }
26     },
27     "socket": {
28         "bind": "127.0.0.1",
29         "port": 3030
30     }
31 }
32 }
33 ' | sudo tee /etc/sensu/conf.d/client.json
34
35 echo '{
36     "transport": {
37         "name": "rabbitmq",
38         "reconnect_on_error": true
39     }
40 }' | sudo tee /etc/sensu/conf.d/transport.json
41
42 echo '{
43     "rabbitmq": {
44         "host": "SensuServerIP",
45         "port": 5672,
46         "vhost": "/sensu",
47         "user": "sensu",
48         "password": "secret"
49     }
50 }' | sudo tee /etc/sensu/conf.d/rabbitmq.json
51
52 sensu-install -p cpu-checks
53 sensu-install -p disk-checks
54 sensu-install -p memory-checks
55 sensu-install -p nginx
56 sensu-install -p process-checks
57 sensu-install -p load-checks
58 sensu-install -p vmstats
59
60 sudo chkconfig sensu-client on
61
62 sudo service sensu-client start
63

```

## 5. 编辑sensuuninstall.sh。

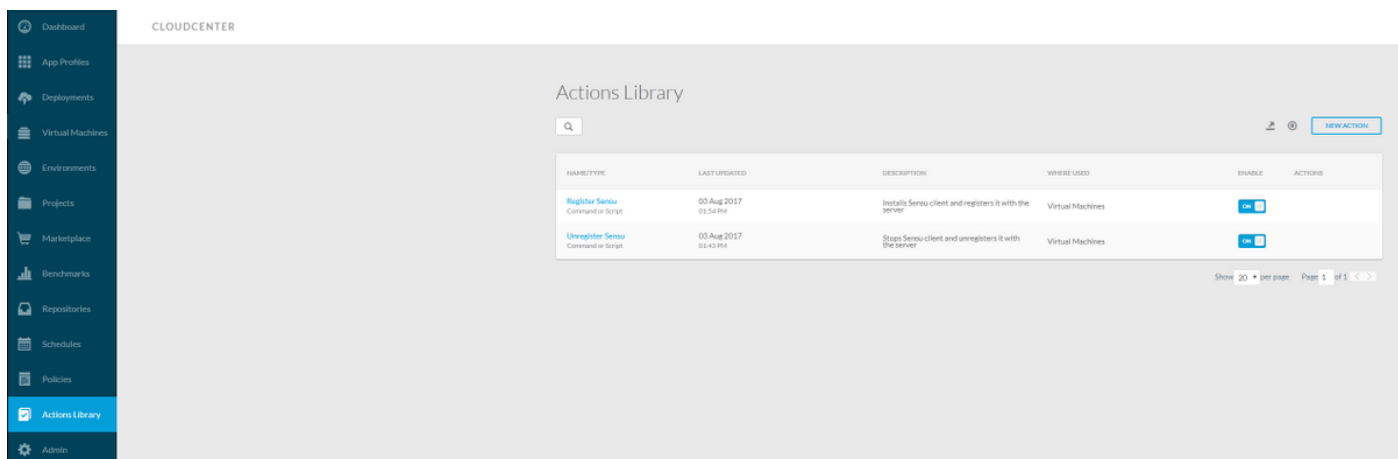
6.请更改线路卷毛- s - i - X删除http://SensuServerIP:4567/clients/\$cliqrNodeHostname有Sensu服务器的IP地址。

```
1 #!/bin/bash
2 . /usr/local/osmosix/etc/userenv
3
4 if ps -ef | grep sensu-client; then
5     sudo service sensu-client stop
6     curl -s -i -X DELETE http://SensuServerIP/clients/$cliqrNodeHostname
7     exit 0
8 fi
9 exit 0
10
```

- 7. 压缩被修改的文件回到Sensu.zip。
- 8. 加载到CloudCenter管理器的贮藏库(CCM)配置了。

## 创建Sensu动作

连接到动作库并且选择新的动作。



- 类型：命令或脚本
- 动作名字：寄存器Sensu
- 说明：安装Sensu客户端并且用服务器注册它
- 执行动作：在虚拟机OS
- 对象映射：
- 资源类型：CloudCenter配置了VMs
- 应用配置文件：所有
- Cloud地区：所有
- Cloud帐户：所有
- 服务所有
- 资源类型：被导入的VMs (当代理程序安装)
- Cloud地区：所有
- Cloud帐户：所有
- OS类型：所有
- 动作定义：
- 从套件执行：是
- 位置：回购您加载了它对和路径到Sensu.zip文件
- 从套件的脚本：sensuinstall.sh



## Edit Action Register Sensu

\* TYPE

Command or Script

\* ACTION NAME

Register Sensu

11

DESCRIPTION

Installs Sensu client and registers it with the server

ACTION TIMEOUT (IN MINUTES) ⓘ

20

\* EXECUTE ACTION

On Virtual Machine OS

Externally

The action will only be available on VMs with latest CloudCenter agent version.

\* REBOOT THE VM AFTER ACTION EXECUTION?



NO

\* SYNC VM INFORMATION AFTER ACTION EXECUTION

NO





## Object Mapping

* OBJECT TYPE	APPLIED TO	ACTIONS
CloudCenter Deployed VMs	Application Profile: ALL Cloud Region: ALL Cloud Account: ALL Service: ALL	
Imported VMs (with Agent Installed)	Cloud Region: ALL Cloud Account: ALL OS Types: ALL	

[+ OBJECT MAPPING](#)

## Action Definition

\* EXECUTE FROM BUNDLE  
 YES 

\* LOCATION   \* RELATIVE PATH

\* SCRIPT FROM BUNDLE

### Custom Fields

If desired add custom fields to the action. They can be made to be user entered or defined here by you, locked and hidden

[+ ADD CUSTOM FIELD](#)

保存动作并且创建另一个新的动作

类型：命令或脚本

动作名字：未注册Sensu

说明：终止Sensu客户端和用服务器未注册它

执行动作：在虚拟机OS

对象映射：

资源类型：CloudCenter配置了VMs  
应用配置文件：所有  
Cloud地区：所有  
Cloud帐户：所有  
服务所有  
资源类型：被导入的VMs (当代理程序安装)  
Cloud地区：所有  
Cloud帐户：所有  
OS类型：所有  
动作定义：  
从套件执行：是  
位置：回购您加载了它对和路径到Sensu.zip文件  
从套件的脚本：sensuuninstall.sh  
保存动作

\* TYPE

Command or Script

\* ACTION NAME

Unregister Sensu

DESCRIPTION

Stops Sensu client and unregisters it with the server

ACTION TIMEOUT (IN MINUTES)

20

\* EXECUTE ACTION

On Virtual Machine OS Externally

The action will only be available on VMs with latest CloudCenter agent version.


\* REBOOT THE VM AFTER ACTION EXECUTION?

NO

\* SYNC VM INFORMATION AFTER ACTION EXECUTION

NO


### Object Mapping

* OBJECT TYPE	APPLIED TO	ACTIONS
CloudCenter Deployed VMs	Application Profile: ALL Cloud Region: ALL Cloud Account: ALL Service: ALL	

[+ OBJECT MAPPING](#)

### Action Definition

\* EXECUTE FROM BUNDLE

YES 

\* LOCATION  \* RELATIVE PATH

\* SCRIPT FROM BUNDLE

#### Custom Fields

If desired add custom fields to the action. They can be made to be user entered or defined here by you, locked and hidden

[+ ADD CUSTOM FIELD](#)

您能当前使用对所有配置的VM的这些动作注册它到您的Sensu服务器和未注册。注意未注册不卸载Sensu客户端，终止服务并且从服务器数据库(DB)取消它。

## Related Information

- [Sensu](#)
- [动作库](#)
- [Technical Support & Documentation - Cisco Systems](#)