

GCE 内存监控

0 背景

GCE 本身自带监控CPU Network等工具，内存监控需要单独配置Agent进行数据收取

1 GCE 安装Agent

安装参考：<https://pantheon.corp.google.com/monitoring/settings/agents?project=devopev>

1.1 Monitoring agent install script

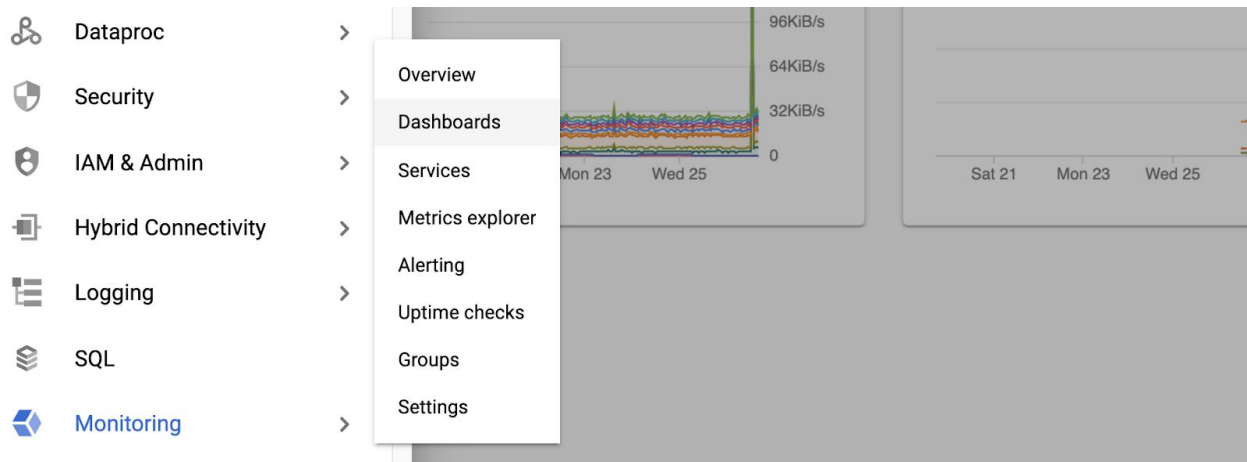
```
curl -sSO https://dl.google.com/cloudagents/install-monitoring-agent.sh
sudo bash install-monitoring-agent.sh
```

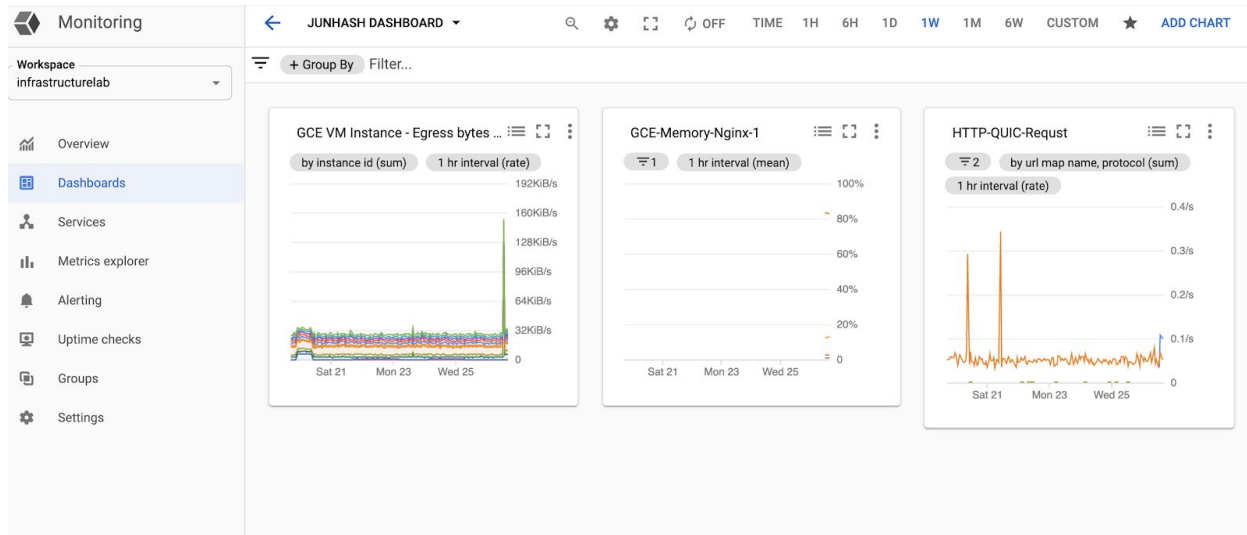
1.2 Logging agent install script （日志监控可选）

```
curl -sSO https://dl.google.com/cloudagents/install-logging-agent.sh
sudo bash install-logging-agent.sh
```

2 配置监控Chart

2.1 进入monitoring





2.2 Dashboard 创建内存监控Chart

Metric配置如下：

Find resource type and metric

注意：选择错误的配置会导致没法显示数据，要配置成支持gce的选项

Find resource type and metric ?

Resource type: **GCE VM Instance**

memory

Memory usage	gce_instance+1
agent.googleapis.com/redis/memory_usage	
Memory usage	gce_instance+1
agent.googleapis.com/riak/memory_usage	
Memory utilization	gce_instance+1
agent.googleapis.com/memory/percent_used	
Monitoring Agent Memory Usage	gce_instance+3
agent.googleapis.com/agent/memory_usage	
Process resident memory	gce_instance+1
agent.googleapis.com/processes/rss_usage	
Process virtual memory	gce_instance+1
agent.googleapis.com/processes/vm_usage	

Metric: agent.googleapis.com/memory/percent_used

Description: Percentage of memory used by each memory state. Summing percentages of all states yields 100 percent.

Resource types: aws_ec2_instance, gce_instance

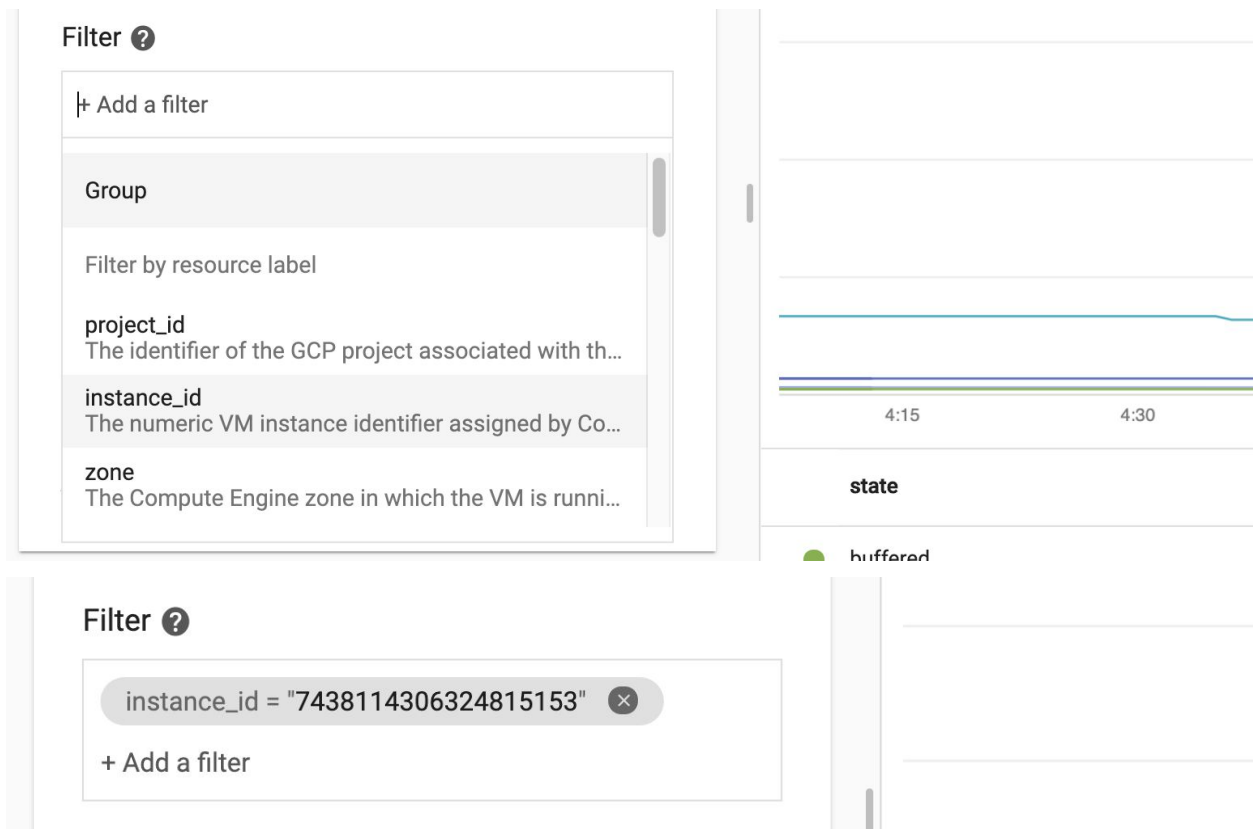
Unit: % **Kind:** Gauge **Value type:** Double

start

4:15 4:30 4:45

Filter

选择想要的过滤选项，基于instance id 或者project



Instance id 具体参考GCE 监控页面获取：

✔ nginx-1

[Details](#) [Monitoring](#)

Remote access

SSH

☐ Enable connecting to serial ports ?

Logs

[Stackdriver Logging](#)

[Serial port 1 \(console\)](#)

[More](#)

Instance Id

7438114306324815153

2.3 Dashboard 观察监控数据

