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Monitoramento e registro



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9 de novembro de 2018 · 4 minutos de leitura

monitoramento e registro

Neste blog, veremos os recursos de monitoramento do GCP, principalmente por meio do stackdriver.

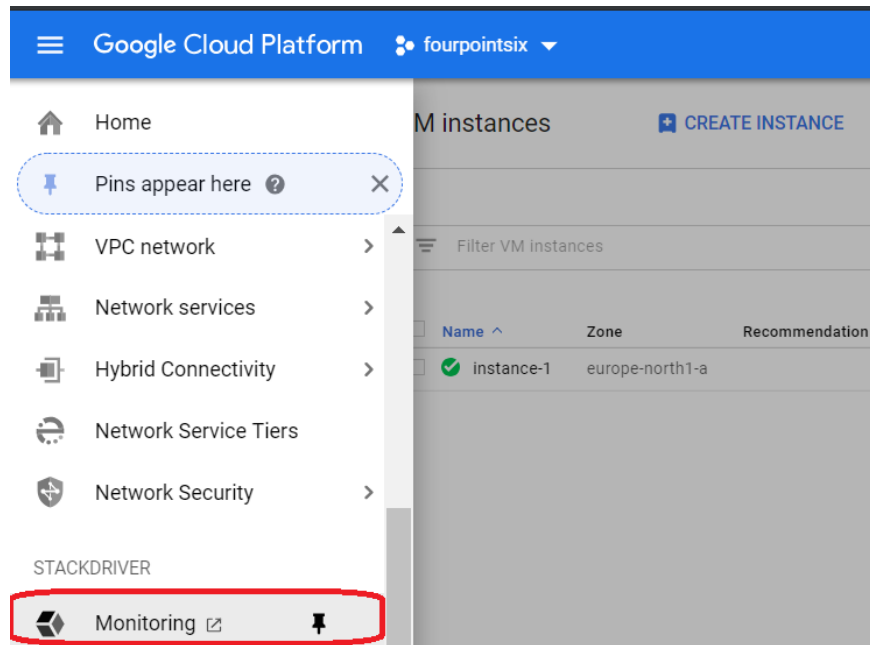
Monitorar é um aspecto muito importante do DevOps e acompanhar o que está acontecendo com os aplicativos, os usuários, as autenticações desempenham um papel muito importante em manter o sistema atualizado e em execução.

Vamos passar por cada um dos tópicos

- Criação de alertas do Stackdriver com base nas métricas de recursos.
- Criando métricas personalizadas do Stackdriver.
- Configurando coletores de logs para exportar logs para sistemas externos (por exemplo, no local ou no BigQuery).
- Visualizar e filtrar registros no Stackdriver.
- Visualizando detalhes específicos da mensagem de log no Stackdriver.
- Using cloud diagnostics to research an application issue (e.g., viewing Cloud Trace data, using Cloud Debug to view an application point-in-time).
- Viewing Google Cloud Platform status.
- Working with management interfaces (e.g., Cloud Console, Cloud Shell, Cloud SDK).

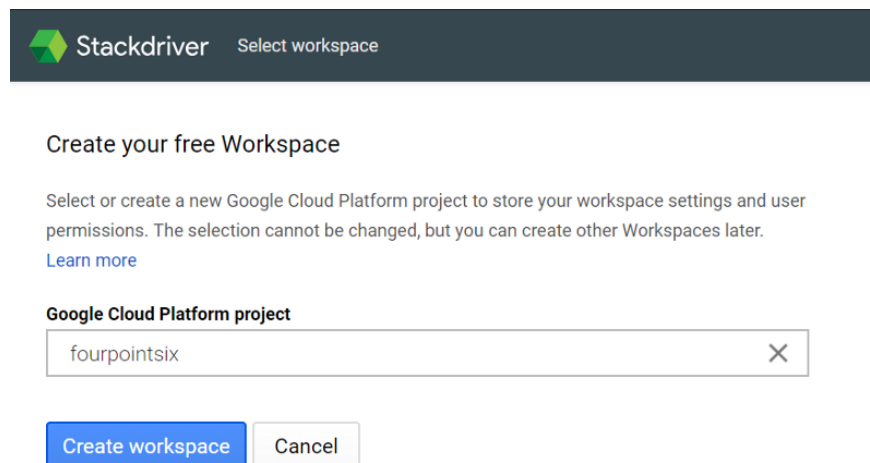
Creating Stackdriver alerts based on resource metrics

Go-to stackdriver then to monitoring



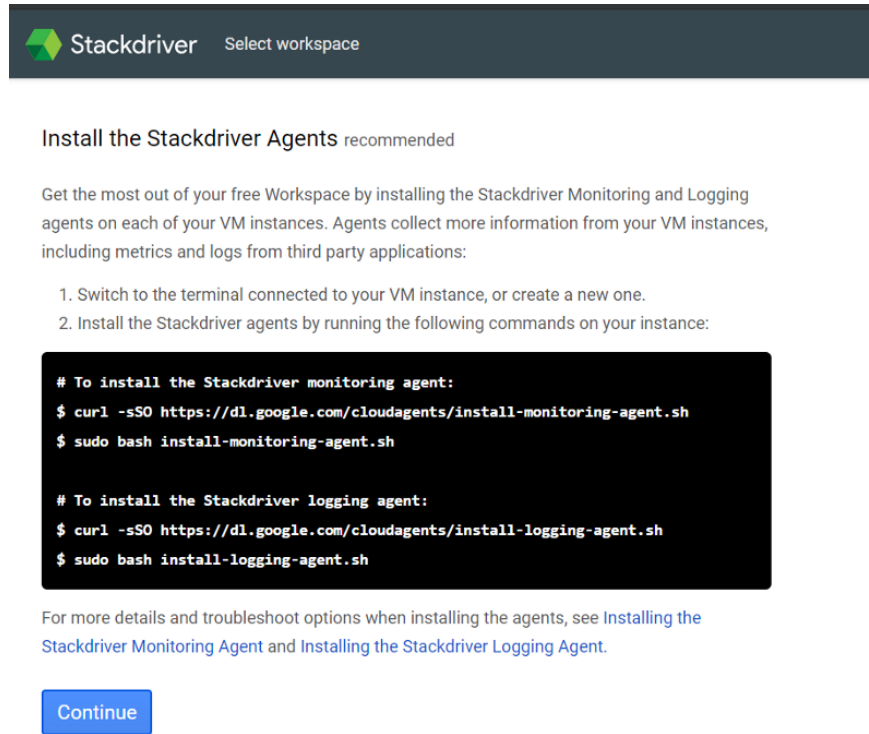
Monitoring

Then you will be redirected to Stackdriver webpage, where you need to first create a Workspace before starting any monitoring



create workspace

Next, you need to install an agent into the VM if you are trying to monitor a server. **Basic monitoring can be done without installing an agent.**



Install the Stackdriver Agents recommended

Get the most out of your free Workspace by installing the Stackdriver Monitoring and Logging agents on each of your VM instances. Agents collect more information from your VM instances, including metrics and logs from third party applications:

1. Switch to the terminal connected to your VM instance, or create a new one.
2. Install the Stackdriver agents by running the following commands on your instance:

```
# To install the Stackdriver monitoring agent:
$ curl -sSO https://dl.google.com/cloudagents/install-monitoring-agent.sh
$ sudo bash install-monitoring-agent.sh

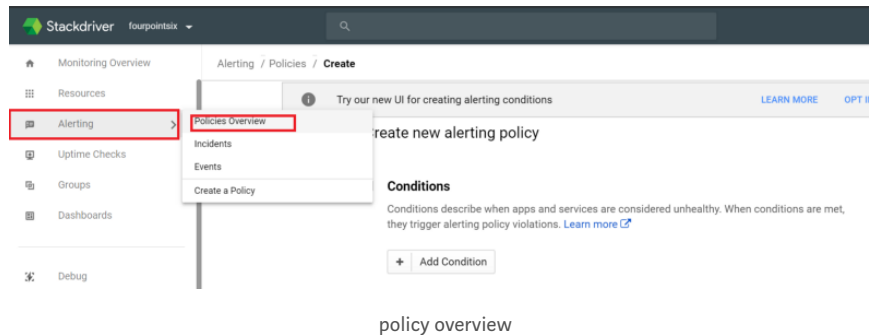
# To install the Stackdriver logging agent:
$ curl -sSO https://dl.google.com/cloudagents/install-logging-agent.sh
$ sudo bash install-logging-agent.sh
```

For more details and troubleshoot options when installing the agents, see [Installing the Stackdriver Monitoring Agent](#) and [Installing the Stackdriver Logging Agent](#).

[Continue](#)

install an agent in VM

Then go-to Alerting > policy Overview



Alerting / Policies / Create

Try our new UI for creating alerting conditions [LEARN MORE](#) [OPT IN](#)

create new alerting policy

Conditions

Conditions describe when apps and services are considered unhealthy. When conditions are met, they trigger alerting policy violations. [Learn more](#)

[+ Add Condition](#)


policy overview

Now you can create a policy for alerting from this page.

Alert can be based on CPU usage, network traffic, read/write, idle etc.

[ALERT] Metric Rate of Change on Instance (GCE) instance-1 on fourpointsix-222012 instance-1

Stackdriver Alerts <alerts@stackdriver.com> to me 2:42 PM (23 minutes ago)


[VIEW DETAILS](#)

Alert firing

Metric Rate of Change on Instance (GCE) instance-1

Disk write bytes for fourpointsix-222012 instance-1 is increasing by more than 1% with a value of 1.698%.

Summary

Start time
Nov 9, 2018 at 12:38PM UTC (~4 min, 15 sec ago)

Project
fourpointsix-222012 (Cloud Console | Stackdriver)

Policy
[disk write](#)

Condition
Metric Rate of Change on Instance (GCE) instance-1

Metric
[compute.googleapis.com/instance/disk/write_bytes_count](#)

Threshold
above 1%

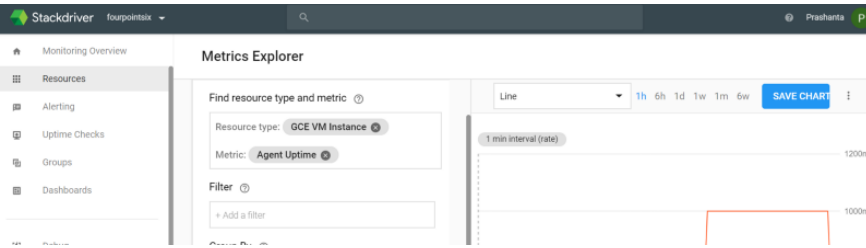
Observed
1.698%

[VIEW DETAILS](#)

aleart

Creating Stackdriver custom metrics

Go to resources and then click on Metrics. Here you will see previously created metrics and if you want to create a new one click on add and then follow the prompts.



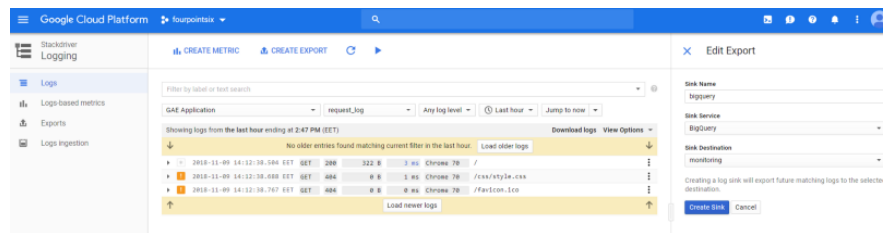
custom metrics

Configuring log sinks to export logs to external systems

Log sinks are like continuous supply to errors or alerts to the desired destination within GCP or outside.

You need to install logging agent in VM for getting the log out of VM to stackdriver Logging

You can select the destination in Logging Export prompt.



Export log/log sink

X
Edit Export

Sink Name

Sink Service

Sink Destination

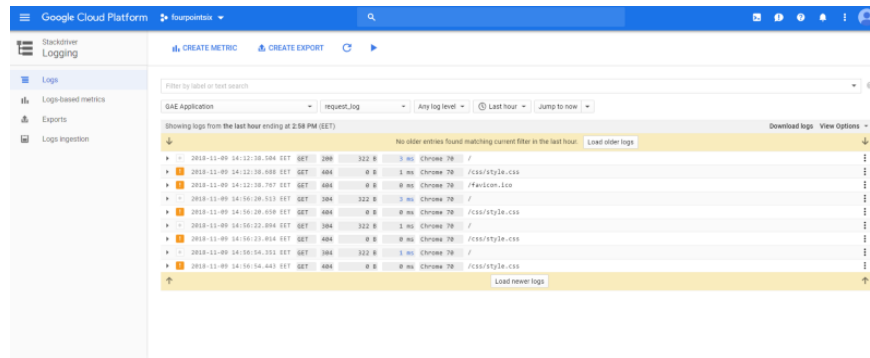
Creating a log sink will export future matching logs to the selected destination.

Create Sink
Cancel

log sink

Visualizar e filtrar registros no Stackdriver

Embora haja muitas maneiras de verificar o log de todo o GCP, o mais fácil é através do log do stackdriver.

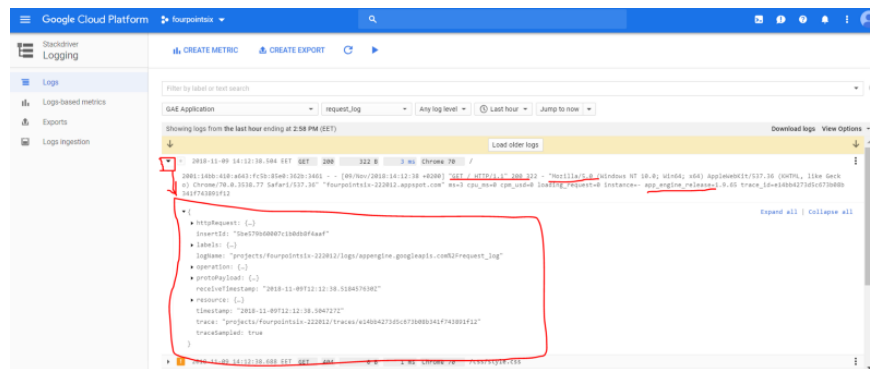


logging do stackdriver

Você pode selecionar vários filtros para filtrar erros indesejados.

Visualizando detalhes específicos da mensagem de log no Stackdriver

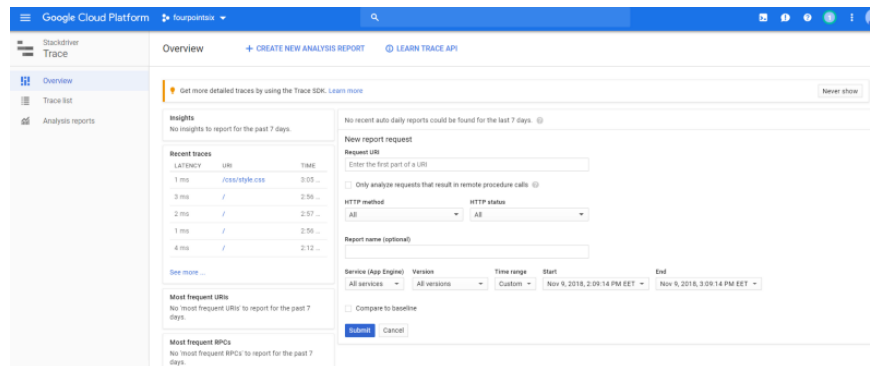
Quando você clica no botão de seta no log, você pode ver a mensagem detalhada



Uso de diagnósticos na nuvem para pesquisar um problema de aplicativo (por exemplo, visualização de

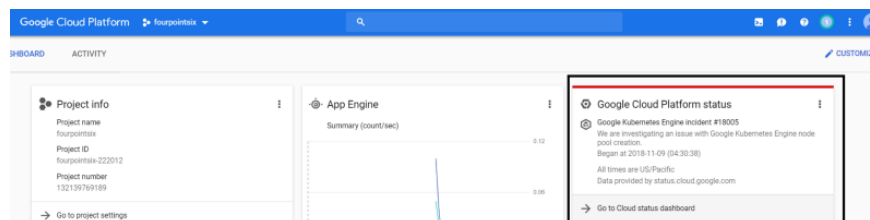
dados do Cloud Trace, uso do Cloud Debug para exibir um ponto no tempo do aplicativo)

O rastreamento pode ajudá-lo a encontrar os problemas de uso ou a verificar



Exibindo o status do Google Cloud Platform

Quando você for ao GCP Dashboard, verá



Ao clicar no status da plataforma Google Cloud, você será direcionado para a página

Google Cloud Platform									
November 09, 2018 Google Kubernetes Engine reporting issues									
Google Cloud Status Dashboard									
This page provides status information on the services that are part of Google Cloud Platform. Check back here to view the current status of the services listed below. If you are experiencing an issue not listed here, please contact Support . Learn more about what's posted on the dashboard in this FAQ . For additional information on these services, please visit cloud.google.com .									
	November 2	3	4	5	6	7	8	9	
Google App Engine									✓
Google Compute Engine				1					✓
Google Cloud Storage									✓
Google BigQuery									✓
Google Cloud Dataproc									✓
Google Cloud Datastore									✓
Cloud Developer Tools									✓
Google Cloud DNS									✓
Google Cloud Functions	1								✓
Identity & Security									✓
Google Cloud IoT									✓
Cloud Key Management Service									✓
Cloud Memorystore									✓
Cloud Machine Learning									✓

Esta página mostra todas as áreas problemáticas no geral no GCP e clicar no ícone mostrará o detalhe do problema.

