Monitor and Log with Google Cloud Observability

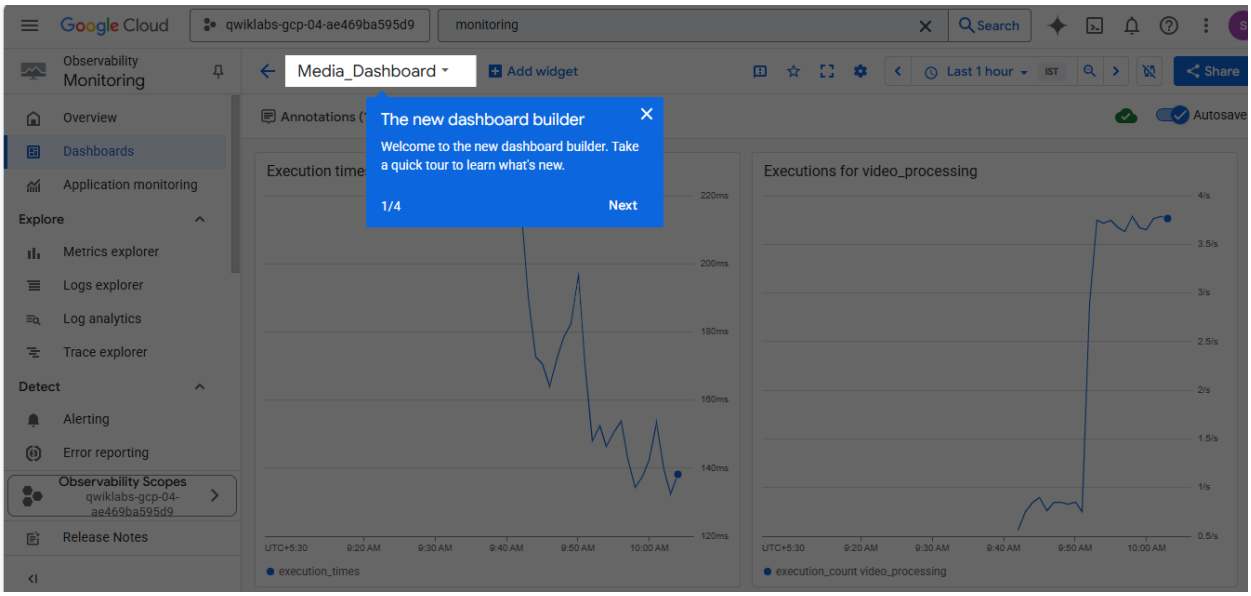
Task 1: Configure Cloud Monitoring

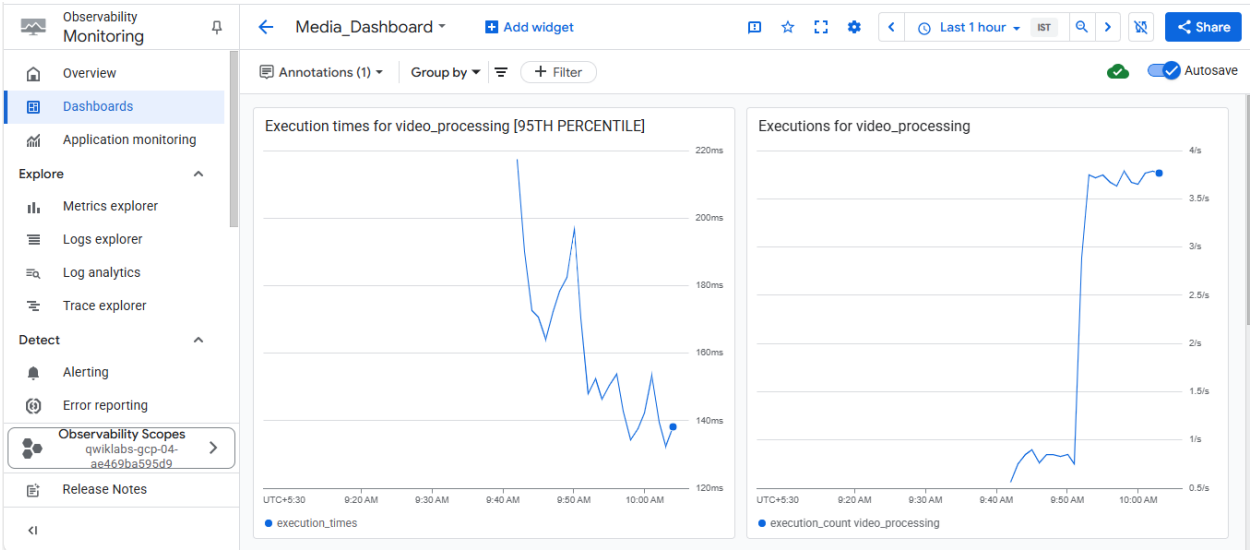
Go to monitoring

Go to Dashboards

Search for Media_Dashboard

If present then your task 1 is done





Task 2: Configure a Compute Instance to generate Custom Cloud Monitoring metrics

Go to VM instances

check box "video-queue-monitor" and stop the VM

click on VM "video-queue-monitor" and then click on edit

copy the startup script into notepad

edit the following things in notepad:

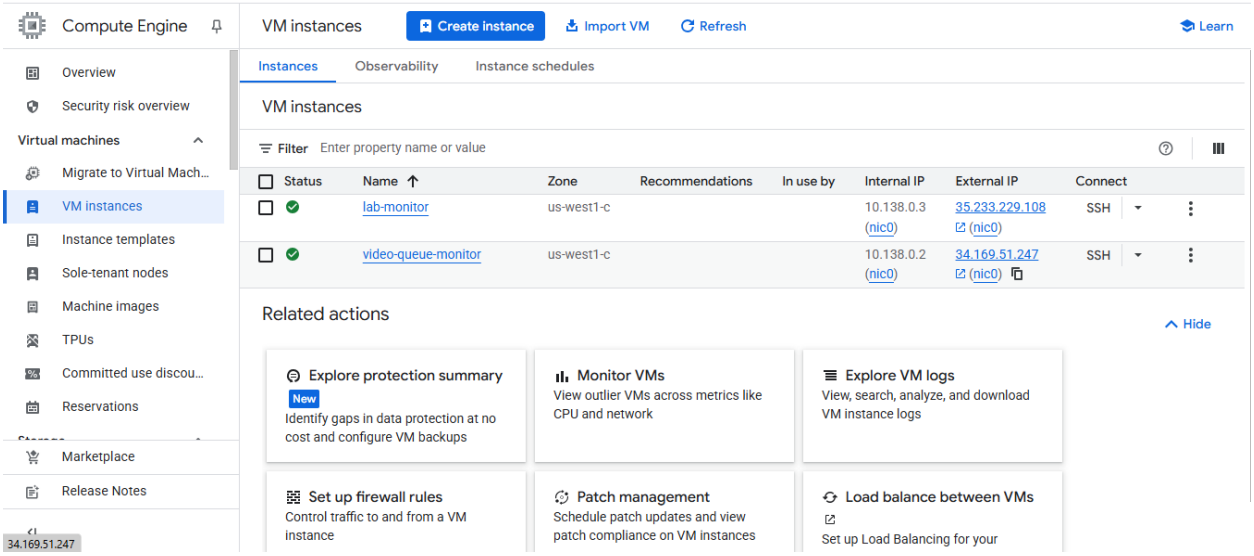
- project id
- instance id
- zone

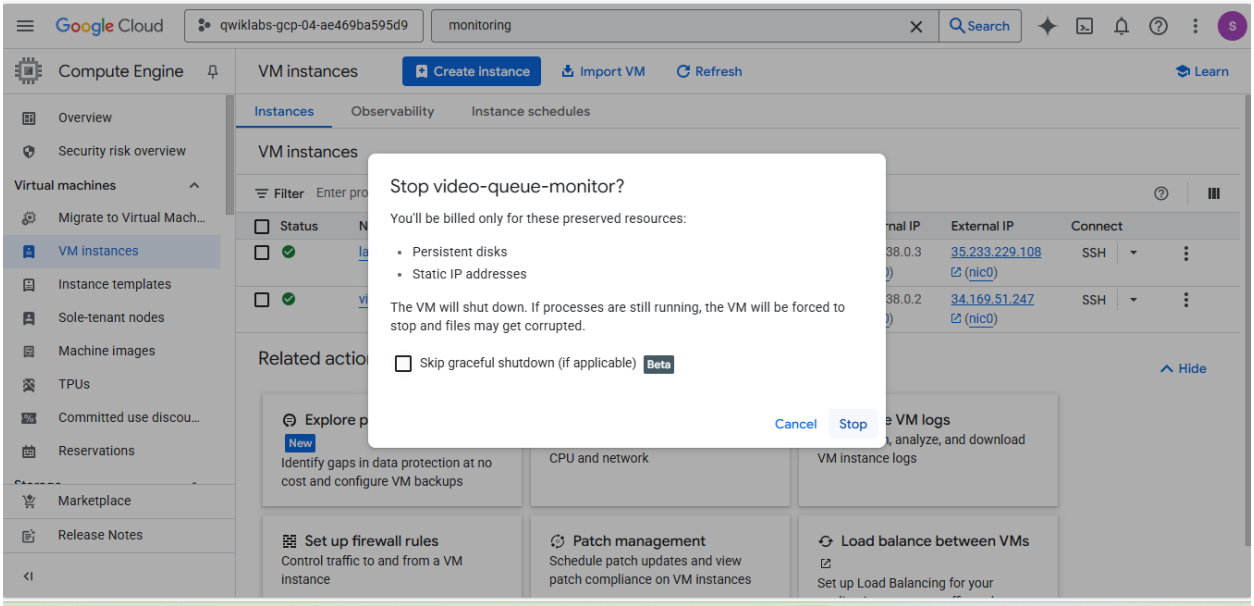
copy paste it into the startup-script

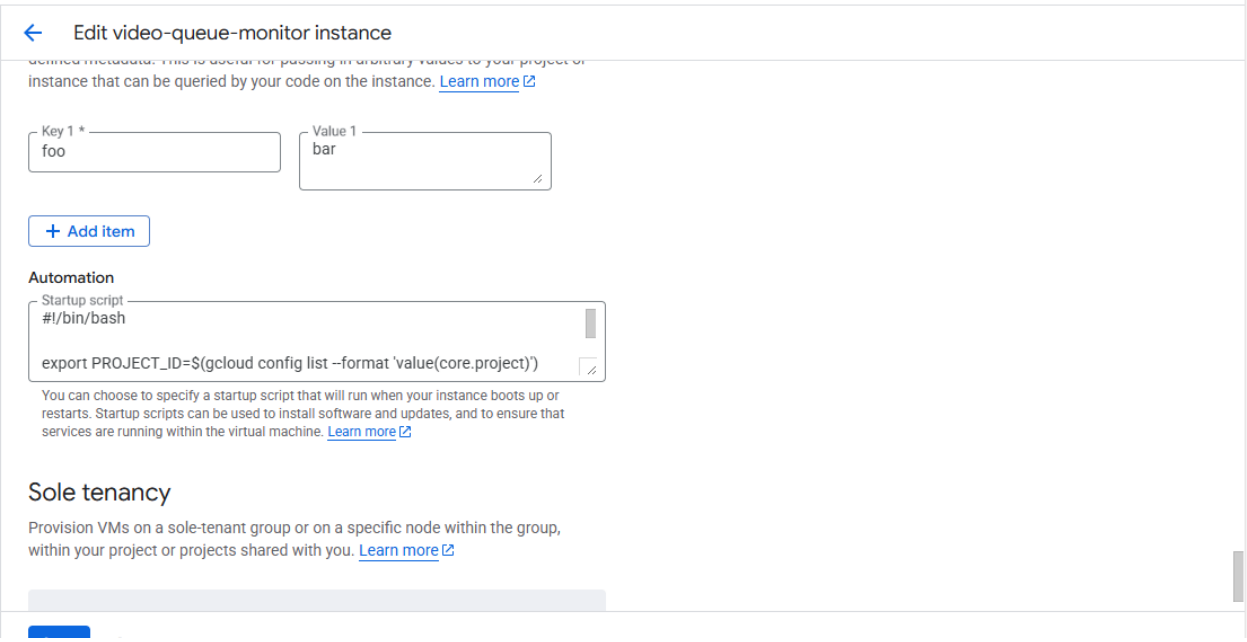
click save

Click start/resume VM

(Task 2 will get completed along with task 3)







Task 3: Create a custom metric using Cloud Operations logging events

Go to logs explorer and type what is written below:

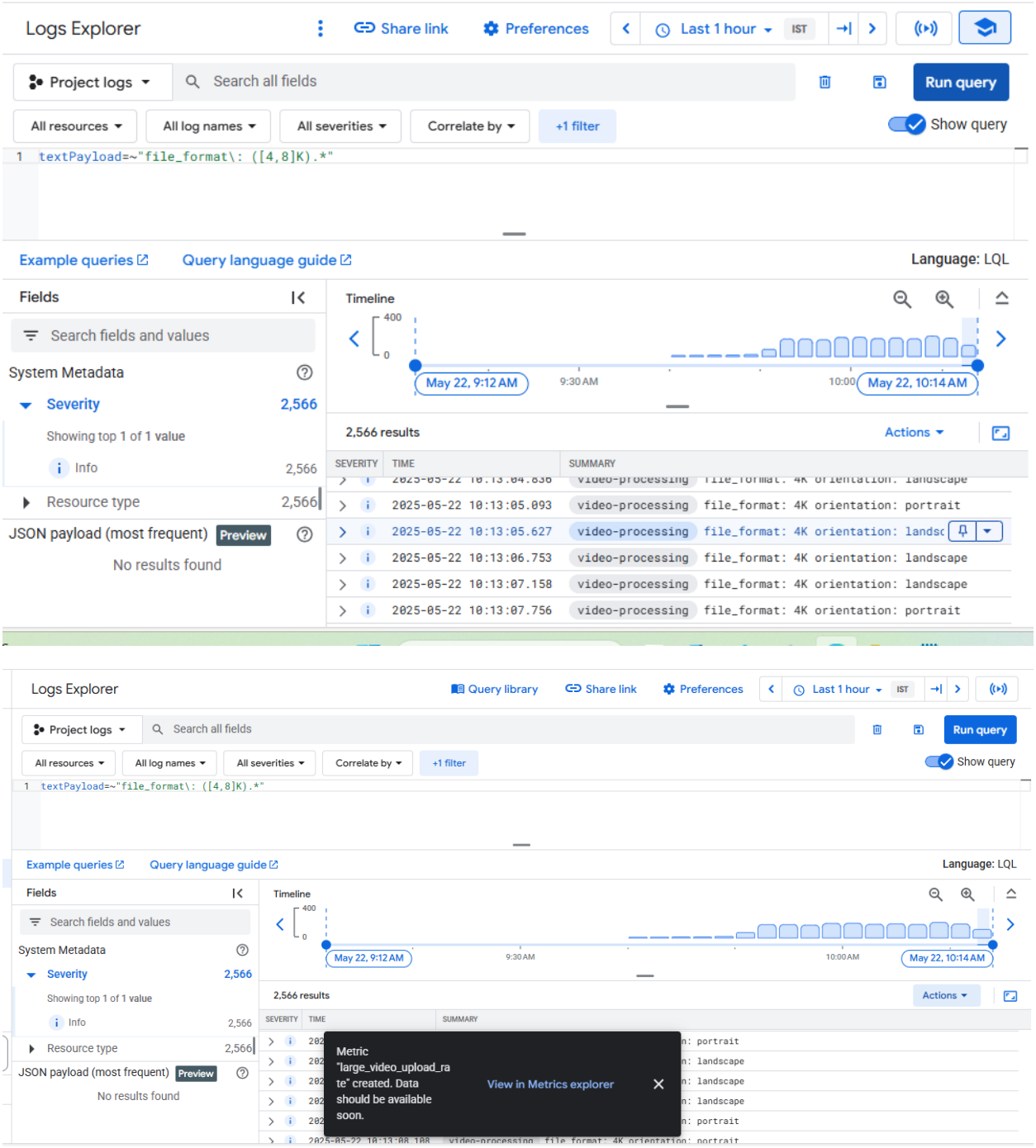
textPayload=~"file_format: ([4,8]K).*"

Run Query

Actions: Create metric Type: Counter Log metric name:

create metric

Task 2 and 3 gets completed here.



Task 4. Check that custom metrics for the video service have been added to the media dashboard

Go to Monitoring > Dashboard

- Click Media Dashboard
- Add Chart

- Resource Type: VM Instance
- Metrics: OpenCensus/my.videoservice.org/measure/input_queue_size (uncheck Only show active)
- Filter: instance_id, click your video-queue-monitor instance id (from Task 2) then Apply

SAVE

Add Chart

- Resource: VM Instance
- Metric: logging/user/

Task 5: Create a Cloud Operations alert based on the rate of high resolution video file uploads

Go to monitoring > Alert
- Create Policy
  - Metric: logging/user/<Custom Metric Name>
  - Threshold: <given threshold>
  - For: 1 minute
  - Name your alert with name of your choice example: "large video uploads"