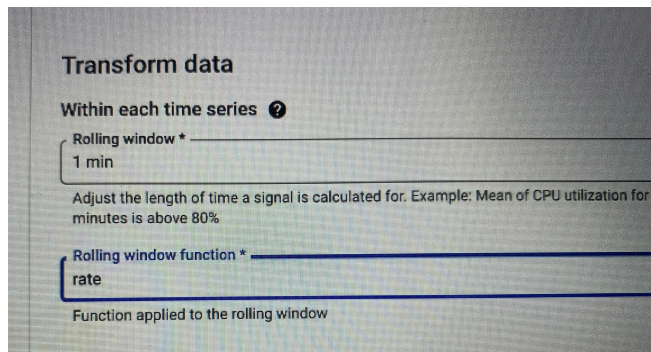


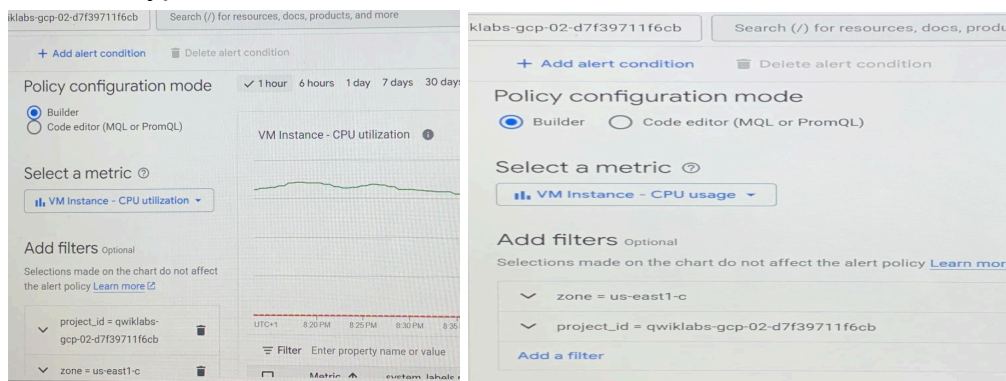
METRIC BASED ALERT POLICY

Metric-based alerting policies are most useful for monitoring the health and operations of cloud resources. For example, I set an alert to trigger when CPU utilization & usage on a particular virtual machine (VM) instance exceeds 80%. Here are the steps I took to create, configure, and test a metric-based notification system all on google cloud console.

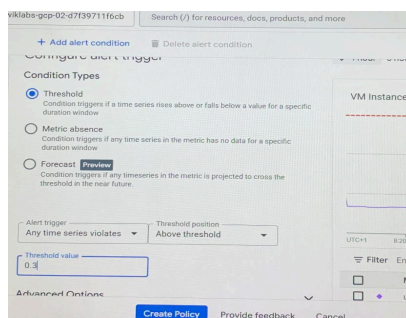
Firstly, I configured additional options under “transform data” to change how points are aligned in time series.



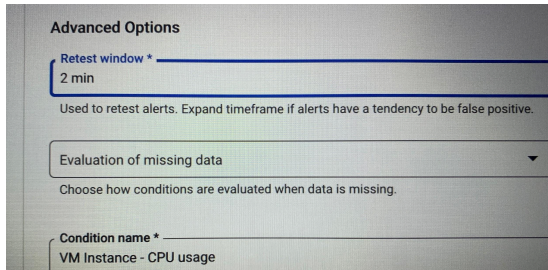
I then used ‘filter’ to monitor only the subset of series that matches the metrics and resource type.



I set the “condition type” as threshold because I want the metric to match the value set on the threshold.



I set “retest window” to 2 minutes to avoid false positives.



Advanced Options

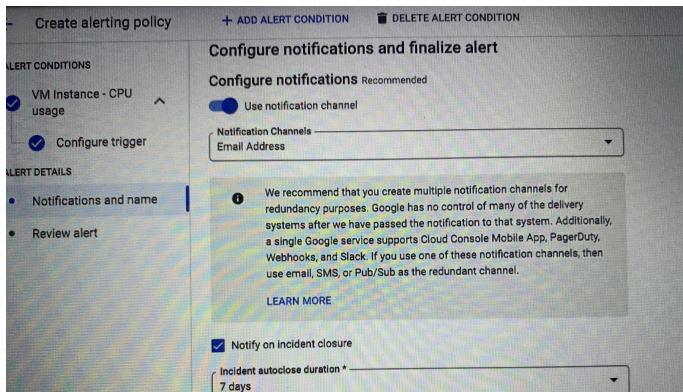
Retest window *
2 min

Used to retest alerts. Expand timeframe if alerts have a tendency to be false positive.

Evaluation of missing data
Choose how conditions are evaluated when data is missing.

Condition name *
VM Instance - CPU usage

I selected email as my desired contact point for the “notification channel”.



Create alerting policy + ADD ALERT CONDITION DELETE ALERT CONDITION

ALERT CONDITIONS

- VM Instance - CPU usage
- Configure trigger

ALERT DETAILS

- Notifications and name
- Review alert

Configure notifications and finalize alert

Configure notifications Recommended

Use notification channel

Notification Channels
Email Address

We recommend that you create multiple notification channels for redundancy purposes. Google has no control of many of the delivery systems after we have passed the notification to that system. Additionally, a single Google service supports Cloud Console Mobile App, PagerDuty, Webhooks, and Slack. If you use one of these notification channels, then use email, SMS, or Pub/Sub as the redundant channel.

LEARN MORE

Notify on incident closure

Incident autoclose duration *
7 days