

## 10. Configure Apache2 HTTP server on a GCE VM instance and setup an email alert notification which triggers when the health check of the instance fails. Use console

The screenshot shows the Google Cloud Stackdriver console at the URL <https://app.google.stackdriver.com/policies/create?project=pe-training>. The interface is for creating a new alerting condition. The left sidebar shows navigation options: Monitoring Overview, Resources, Alerting, Uptime Checks, Groups, Dashboards, Debug, Trace, Logging, Error Reporting, and Profiler. The main content area is titled 'Create New' and has tabs for 'METRIC' and 'UPTIME CHECK'. The 'METRIC' tab is selected. The 'Target' section shows 'Find resource type and metric' with a dropdown menu showing 'instance, cpu usage, etc.'. The 'Configuration' section has a dropdown for 'Condition triggers if' set to 'Any time series violates'. Below this is a table with columns 'Condition', 'Threshold', and 'For'. The 'Condition' is 'is above', the 'Threshold' is 'Threshold', and the 'For' is '1 minute'. There are 'Save' and 'Cancel' buttons. On the right, there is a 'Metric Condition' diagram showing a line graph with a threshold line and a data point above it. The bottom of the screen shows a file explorer with 'Untitled docu....pdf' and a 'Show all' button.

The screenshot shows the Google Cloud Stackdriver console at the URL <https://app.google.stackdriver.com/policies/edit?project=pe-training>. The interface is for editing an existing alerting condition. The left sidebar is the same as the previous screenshot. The main content area is titled 'Edit Alerting' and has tabs for 'METRIC' and 'UPTIME CHECK'. The 'METRIC' tab is selected. The 'Target' section shows 'Find resource type and metric' with a dropdown menu showing 'GCE VM Instance' and 'CPU usage'. The 'Filter' section shows 'instance\_id = "2133701641321753220"'. Below this is a 'Group By' dropdown. There are 'Save' and 'Cancel' buttons. On the right, there is a line graph showing 'CPU usage' over time. The y-axis is labeled 'Value' and ranges from 0 to 500ms/s. The x-axis is labeled 'Metric' and 'instance\_id'. The graph shows a sharp spike in CPU usage around 10:30 AM. The bottom of the screen shows a file explorer with 'Untitled docu....pdf' and a 'Show all' button.

Stackdriver

Training

Monitoring Overview

Resources

Alerting

Uptime Checks

Groups

Dashboards

Debug

Trace

Logging

Error Reporting

Profiler

Google Cloud Platform

Alerting / Policies / **austin-assign1**

Incidents

CREATE ALERTING POLICY

OPEN (0) ACKNOWLEDGED (0) **RESOLVED (1)**

Today

10:45 AM **austin-assign1**

CPU usage for pe-training austin is above the threshold of 0.05 with a value of 0.104.

Ended: Jun 20, 10:46 am

Duration: a minute

Items per page: 3 1 - 1 of 1

Conditions


(policy violates when ANY condition is met)

Reset Zoom

**GCE VM Instance - CPU utilization for 2133701641321753220**

Violates when: Any compute.googleapis.com/instance/cpu/usage\_time stream is above a threshold of 0.05 for greater than 0 seconds

1 1 min interval (rate)



Notification Channels

Untitled docu....pdf Show all

https://mail.google.com/mail/u/0/#inbox/FMfcgxwChJmJRLtswHPqqwXmwPnMNVSM

Gmail

Search mail

quantiphi

Compose

Inbox 22

Starred

Snoozed

Sent

Drafts 1

More

Austin +

PE - Training

Pavankumar: Guys, just a heads-up. f

Pavankumar Kattamun

You: Pavan are you coming to Mumb

**Alert firing**

**GCE VM Instance - CPU utilization for 2133701641321753220**

CPU usage for pe-training austin is above the threshold of 0.05 with a value of 0.104.

**Summary**

**Start time**  
June 20, 2019 at 5:11AM UTC (~3 min, 45 sec ago)

**Project**  
pe-training (Cloud Console | Stackdriver)

**Policy**  
**austin-assign1**

**Condition**  
GCE VM Instance - CPU utilization for 2133701641321753220

**Metric**  
compute.googleapis.com/instance/cpu/usage\_time

1 of 84

Untitled docu....pdf Show all

