

Question 10

1. Create an instance with a startup script
 - a. `#!/bin/bash`
 - b. `apt-get update`
 - c. `apt-get install -y apache2`
2. Switch to the terminal connected to your VM instance
3. Install the Stackdriver Monitoring agent
 - a. `curl -sSO https://dl.google.com/cloudagents/install-monitoring-agent.sh`
 - b. `sudo bash install-monitoring-agent.sh`
4. Install the Stackdriver Logging agent
 - a. `curl -sSO https://dl.google.com/cloudagents/install-logging-agent.sh`
 - b. `sudo bash install-logging-agent.sh --structured`
5. Now go to the Stackdriver Monitoring console
6. Navigate to Uptime Checks > Uptime Checks Overview and then click Add Uptime Check
7. Give a title to the checkup
8. Select Checkup type as HTTP
9. Select Resource type as Instance
10. Select the instance to which we want to attach the check up (krutik-10, in this case)
11. Leave the path blank as we need to check base path
12. Selecting check per minute (testing purposes)
13. Keep the advanced options default
14. Select Test to check the status
15. Click on Save And create an Alert Policy for this check
16. Give it a title and Save
17. In the Notification Channel Type drop-down list, select Email
18. Enter your email address and then click Add Notification Channel
19. In the Name this policy pane, enter My Uptime Check Policy
20. Click Save. You see a summary of the policy

Now to test the alert, stop the instance to create failure of services

[ALERT] krutik-alert on pe-training krutik-10 Inbox x



Stackdriver Alerts <alerts@stackdriver.com>
to me ▾

5:39 PM (0 minutes ago)



[VIEW DETAILS](#)

Alert firing

krutik-alert

An uptime check on pe-training krutik-10 is failing.

Summary

Start time

July 19, 2019 at 12:08PM UTC (42 sec ago)

Project

pe-training ([Cloud Console](#) | [Stackdriver](#))

Policy

[Krutik Alerting Policy](#)



Stackdriver Alerts <alerts@stackdriver.com>
to me ▾

5:44 PM (3 minutes ago)



[VIEW DETAILS](#)

Alert recovered

krutik-alert

The uptime check for pe-training krutik-10 has returned to a normal state.

Summary

Start time

July 19, 2019 at 12:08PM UTC (~5 min, 30 sec ago)

Alert firing lasted

5 mins 10 secs

Project

pe-training ([Cloud Console](#) | [Stackdriver](#))

Policy

[Krutik Alerting Policy](#)