

Question 10

Step 1 :

Create an instance with a startup script

```
#!/bin/bash
apt-get update
apt-get install -y apache2
```

Step 2 :

Switch to the terminal connected to your VM instance

Install the Stackdriver Monitoring agent

```
curl -sSO https://dl.google.com/cloudagents/install-monitoring-agent.sh
sudo bash install-monitoring-agent.sh
```

Install the Stackdriver Logging agent

```
curl -sSO https://dl.google.com/cloudagents/install-logging-agent.sh
sudo bash install-logging-agent.sh --structured
```

Step 3 :

Go to the Stackdriver Monitoring console and go to Uptime Checks and then click Add Uptime Check

Step 4 :

Give a title to the checkup

Select Checkup type as HTTP

Select Resource type as Instance

Select the instance to which we want to attach the check up

Leave the path blank as we need to check base path

Selecting check per minute (testing purposes)

Keep the advanced options default

Select Test to check the status

Click on Save And create an Alert Policy for this check

Give it a title and Save

Step 5 :

In the Notification Channel Type drop-down list, select Email

Enter your email address and then click Add Notification Channel

In the Name this policy pane, enter My Uptime Check Policy

Click Save. You see a summary of the policy

Step 6 :

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

Activities Google Chrome Fri 18:14

[ALERT] ketav on pe-train x

https://mail.google.com/mail/u/0/?ogbl#inbox/FMfcgxwChmPJHWHLSTRKwrSTgHQsqFMQ

Gmail Search mail

quantipli

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Alert firing

ketav

An uptime check on pe-training ketav1 is failing.

Summary

Start time
July 19, 2019 at 12:18PM UTC (42 sec ago)

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

Policy
ketav

Condition
ketav

Metric
monitoring.googleapis.com/uptime_check/check_passed

Threshold
above 1

Observed