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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 125 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 125

Topic #: 1

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Your company publishes large files on an Apache web server that runs on a Compute Engine instance. The Apache web server is not the only application running in the project. You want to receive an email when the egress network costs for the server exceed 100 dollars for the current month as measured by Google Cloud.

What should you do?

- A. Set up a budget alert on the project with an amount of 100 dollars, a threshold of 100%, and notification type of `email`.
- B. Set up a budget alert on the billing account with an amount of 100 dollars, a threshold of 100%, and notification type of `email`.
- C. Export the billing data to BigQuery. Create a Cloud Function that uses BigQuery to sum the egress network costs of the exported billing data for the Apache web server for the current month and sends an email if it is over 100 dollars. Schedule the Cloud Function using Cloud Scheduler to run hourly.
- D. Use the Cloud Logging Agent to export the Apache web server logs to Cloud Logging. Create a Cloud Function that uses BigQuery to parse the HTTP response log data in Cloud Logging for the current month and sends an email if the size of all HTTP responses, multiplied by current Google Cloud egress prices, totals over 100 dollars. Schedule the Cloud Function using Cloud Scheduler to run hourly.

Show Suggested Answer

by [GCP_Student1](#) at March 11, 2021, 11 p.m.

Comments

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- ? ? **GCP_Student1** **Highly Voted** ? 3 years, 7 months ago
C. Export the billing data to BigQuery. Create a Cloud Function that uses BigQuery to sum the egress network costs of the exported billing data for the Apache web server for the current month and sends an email if it is over 100 dollars. Schedule the Cloud Function using Cloud Scheduler to run hourly.
? ? ? upvoted 24 times
- ? ? **MyName_** **Highly Voted** ? 3 years, 6 months ago
[C]
I think the keyword here is "as measured by Google Cloud". In Answer D you calculate the price yourself, in C you use the billing provided by GCP. Thus I think the Answer is C.
? ? ? upvoted 13 times
- ? ? **bubidubi** **Most Recent** ? 8 months, 1 week ago
I would never had guessed C or D. I thought it's A, as it's the most straight forward. C or D are ridiculously complex to me.
? ? ? upvoted 5 times
- ? ? **omunoz** 5 months, 1 week ago
You need to filter only Network egress costs, so C make more sense...
? ? ? upvoted 2 times
- ? ? **scanner2** 1 year, 1 month ago
Selected Answer: C
Correct answer is C.
? ? ? upvoted 1 times
- ? ? **Captain1212** 1 year, 1 month ago
Selected Answer: C
C is the correct answer , as it gives you everything the question wants
? ? ? upvoted 1 times
- ? ? **Shenannigan** 1 year, 5 months ago
Selected Answer: A
Answer is A

From this Link:
<https://cloud.google.com/load-balancing/docs/ssl>

it states this:
External SSL proxy load balancers are intended for non-HTTP(S) traffic. For HTTP(S) traffic, we recommend that you use an external HTTP(S) load balancer.

443 is HTTPS traffic

for those saying 443 isn't https
<https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xhtml?search=443>
? ? ? upvoted 1 times
- ? ? **Shenannigan** 1 year, 5 months ago
Disregard this was supposed to be for question 127
? ? ? upvoted 1 times
- ? ? **HiddenClouds** 1 year, 10 months ago
Selected Answer: C
Took the exam this week this question is on there, C is the correct answer you need to remember to filter.
? ? ? upvoted 9 times
- ? ? **Charumathi** 2 years ago
Selected Answer: C
C is the correct answer,

You export the bill to BigQuery and filter for the Egress cost for the particular application, and send an email if the cost is over 100 dollars, to send an email you need to use cloud function to monitor and trigger based on the conditions.

? ? ? upvoted 1 times

? ? **sylva91** 2 years, 1 month ago

Selected Answer: C

it can only be the C because "it's not the only app running"

? ? ? upvoted 2 times

? ? **VietmanOfficiel** 2 years, 1 month ago

Selected Answer: D

[D]

Complex but works for resume network egress cost of ONLY the Apache instance

? ? ? upvoted 1 times

? ? **theBestStudent** 2 years, 2 months ago

Selected Answer: C

I would say this is the approach without knowing that much:

A & B discarded as they are not resourced oriented. We need to charge for the apache server (so focusing on the VM where it is hosted) in order to charge this server.

D can't be as you are not charged in this case for that Response payload received.

? ? ? upvoted 1 times

? ? **ryumada** 2 years, 2 months ago

Selected Answer: C

Answer C and D are correct to me. You can calculate the current Google Cloud egress prices using Cloud billing catalog API which can be used in D option.

ref: <https://cloud.google.com/blog/topics/cost-management/introducing-cloud-billing-catalog-api-gcp-pricing-in-real-time>

But, if you choose option C, then you will get the usage cost directly from cloud billing data. You should add a label to the Apache web server in order to select its cost.

D has the more complex step, using more services too which is Cloud Logging to store the logging data of the VM and Cloud Billing Catalog API. The using of more services makes the D option to have more expensive costs.

? ? ? upvoted 3 times

? ? **andreherwanto** 2 years, 3 months ago

Selected Answer: C

C is best options

? ? ? upvoted 1 times

? ? **AzureDP900** 2 years, 4 months ago

C is best options

? ? ? upvoted 1 times

? ? **PAUGURU** 2 years, 5 months ago

Selected Answer: B

C cannot be the right answer, you export the data to big Query only once. What is the use of a cloud function running every hour on the same data? It doesn't say "you export the data to BigQuery hourly".

? ? ? upvoted 2 times

? ? **PAUGURU** 2 years, 5 months ago

I was wrong, when you configure an export to Bigquery billing data are updated periodically, so answer is actually C.

<https://cloud.google.com/billing/docs/how-to/export-data-bigquery-tables?hl=en>

? ? ? upvoted 6 times

? ? **Leo_li_leo** 2 years, 6 months ago

I feel the answer should be B as projects can be specified and also services.

? ? ? upvoted 2 times

? ? **PiperMe** 7 months, 3 weeks ago

Project and billing account level budgets are too broad. They would include all costs within those scopes, not just egress from the Apache server.

? ? ? upvoted 1 times

? ? **Pitchino80** 2 years, 8 months ago

Selected Answer: C

It's C



upvoted 2 times

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