

🔗 Google Discussions



Exam Professional Cloud Security Engineer All Questions

View all questions & answers for the Professional Cloud Security Engineer exam

[Go to Exam](#)

📄 EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 82 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 82

Topic #: 1

[\[All Professional Cloud Security Engineer Questions\]](#)

A customer wants to run a batch processing system on VMs and store the output files in a Cloud Storage bucket. The networking and security teams have decided that no VMs may reach the public internet.

How should this be accomplished?

- A. Create a firewall rule to block internet traffic from the VM.
- B. Provision a NAT Gateway to access the Cloud Storage API endpoint.
- C. Enable Private Google Access.
- D. Mount a Cloud Storage bucket as a local filesystem on every VM.

[Show Suggested Answer](#)

by MohitaA at Sept. 2, 2020, 10:39 a.m.

Comments

Type your comment...

[Submit](#)

🗨️ tanfromvn Highly Voted 3 years, 7 months ago

C-there is no traffic to outside internet

👍 🗳️ 🗳️ upvoted 15 times

upvoted 15 times

mynk29 2 years, 11 months ago

Private google access is enabled at subnet level not at VPC level.

upvoted 1 times

nilopo **Highly Voted** 2 years, 4 months ago

Selected Answer: C

The ask is to store the output files in a Cloud storage bucket. "The networking and security teams have decided that no VMs may reach the public internet" - No VMs MAY reach public internet but not 'MUST'. Hence 'C' is the answer

upvoted 7 times

desertlotus1211 **Most Recent** 11 months, 2 weeks ago

What if the VM is on-premise? The question never said it was in GCP?

Would the answer not be 'B'?

upvoted 1 times

Portugapt 1 year ago

Selected Answer: C

What should be accomplished is the access to GCS, knowing VMs cannot access the public network. So, Private Google Access accomplishes it.

upvoted 1 times

desertlotus1211 1 year ago

The answer is A....

With GPA enabled, VMs can still reach the Internet. Accessing the backend storage is ther to throw you off of what is being asked - and that's NO VMs may reach the Internet...

Answer is A

upvoted 1 times

Xoxoo 1 year, 4 months ago

Selected Answer: C

To ensure that VMs can access Cloud Storage without reaching the public internet, you should:

C. Enable Private Google Access.

Enabling Private Google Access allows VMs with only internal IP addresses in a VPC network to access Google Cloud services like Cloud Storage without needing external IP addresses or going through the public internet.

upvoted 2 times

Xoxoo 1 year, 4 months ago

Option B, provisioning a NAT Gateway, would enable VMs to access the public internet, which is not in line with the requirement of not allowing VMs to reach the public internet.

Options A and D are not suitable for the specific requirement of accessing Cloud Storage while preventing VMs from reaching the public internet.

upvoted 1 times

blacortik 1 year, 5 months ago

Selected Answer: B

B. Provision a NAT Gateway to access the Cloud Storage API endpoint.

Explanation:

To ensure that VMs can't reach the public internet but can still access Google Cloud services like Cloud Storage, you can use a Network Address Translation (NAT) Gateway. NAT Gateway allows instances in a private subnet to initiate outbound connections to the internet while masking their actual internal IP addresses. This way, the VMs can access the Cloud Storage API endpoint without directly connecting to the public internet.

upvoted 2 times

[Removed] 1 year, 6 months ago

Selected Answer: C

"C"

The question is not worded well. If you replace "..has decided.." with "..has enforced.." then the meat of the question becomes how to achieve the first part of the requirement which is reaching cloud storage without public access, which is through private google access.

Reference:

<https://cloud.google.com/vpc/docs/private-google-access>

👍 ↩ 🚩 upvoted 3 times

🗨️ 👤 **desertlotus1211** 1 year, 5 months ago

This has no effect and is meaningless if the VM has an external IP... You need to read the document: 'Private Google Access has no effect on instances that have external IP addresses. Instances with external IP addresses can access the internet, according to the internet access requirements'...

No where in the question say the VMs has or hasn't have an ext. IP.

Correct Answer is A

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **gcpengineer** 1 year, 8 months ago

Selected Answer: A

I think A is correct

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **gcpengineer** 1 year, 8 months ago

Selected Answer: B

B is the ans, as nat is needed to reach the cloud storage

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **gcpengineer** 1 year, 8 months ago

I think A is correct

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **Lyfedge** 1 year, 10 months ago

The question says "The networking and security teams have decided that no VMs may reach the public internet"y
A

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **gcpengineer** 1 year, 8 months ago

How are u suppose to access cloud storage?

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **desertlotus1211** 1 year ago

that not what they asked... they asked 'The networking and security teams have decided that no VMs may reach the public internet'.... so what do you do?

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **Meyucho** 2 years, 1 month ago

C!!!! This example is just the exact and only meaning for have PGA!!!

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **TonytheTiger** 2 years, 2 months ago

Answer C:

Here is why; the VM need to access google service i.e. "Cloud Storage Bucket".

Google doc states: Private Google Access permits access to Google APIs and services in Google's production infrastructure
<https://cloud.google.com/vpc/docs/private-google-access>

Everyone is reading the question as limited access to public internet but is missing the 2nd part of the question, which is access a google services. ONLY enable Private Google Access will fulfil the requirement.

👍 ↩ 🚩 upvoted 2 times

🗨️ 👤 **Littleivy** 2 years, 2 months ago

Selected Answer: C

C is the answer

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **rotorclear** 2 years, 3 months ago

Selected Answer: C

The ask is to access cloud storage while doing the batch processing not how to block the internet.
Overall it's a poor choice of words in the question attempting to confuse than check knowledge

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **AzureDP900** 2 years, 2 months ago



C is right

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 **AwesomeGCP** 2 years, 3 months ago

C. Enable Private Google Access on the VPC.

   upvoted 1 times

  **piyush_1982** 2 years, 6 months ago

Selected Answer: A

Let's go through each option :

A. Correct as this will deny traffic going out to the internet.

B. Wrong as this won't prevent VM to reach the internet. In order to access the storage API via NAT gateway, the traffic may still traverse the internet.

C. Wrong as private google access is enabled at Subnet level and not VPC.

D. Wrong as it doesn't restrict VM traffic to reach the internet. It will only allow accessing storage bucket locally but other traffic may still go to the internet.

   upvoted 3 times

[Load full discussion...](#)



Platform

> [Home](#)

> [Examtopics PRO](#)

> [All Exams](#)

> [Training Courses](#)



© 2024 ExamTopics