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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 179 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer
Question #: 179
Topic #: 1
[All Associate Cloud Engineer Questions]

Your company is moving its entire workload to Compute Engine. Some servers should be accessible through the Internet, and other servers should only be accessible over the internal network. All servers need to be able to talk to each other over specific ports and protocols. The current on-premises network relies on a demilitarized zone (DMZ) for the public servers and a Local Area Network (LAN) for the private servers. You need to design the networking infrastructure on
Google Cloud to match these requirements. What should you do?

A. 1. Create a single VPC with a subnet for the DMZ and a subnet for the LAN. 2. Set up firewall rules to open up relevant traffic between the DMZ and the LAN subnets, and another firewall rule to allow public ingress traffic for the DMZ.

B. 1. Create a single VPC with a subnet for the DMZ and a subnet for the LAN. 2. Set up firewall rules to open up relevant traffic between the DMZ and the LAN subnets, and another firewall rule to allow public egress traffic for the DMZ.

C. 1. Create a VPC with a subnet for the DMZ and another VPC with a subnet for the LAN. 2. Set up firewall rules to open up relevant traffic between the DMZ and the LAN subnets, and another firewall rule to allow public ingress traffic for the DMZ.

D. 1. Create a VPC with a subnet for the DMZ and another VPC with a subnet for the LAN. 2. Set up firewall rules to open up relevant traffic between the DMZ and the LAN subnets, and another firewall rule to allow public egress traffic for the DMZ.

Show Suggested Answer

by ⁇Biju1 at *April 30, 2021, 3:24 p.m.*

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perdigiorno `Highly Voted ⁇` 3 years, 3 months ago

Passed the test today. About 80% of the questions are here.

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sumanthrao1 3 years ago

you got same questions from this examtopics

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associatecloudexamuser 3 years, 3 months ago

Congratulations!

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yvinisiupacuando `Highly Voted ⁇` 3 years, 5 months ago

A is the Right answer. You can discard B and C because they lack the need of creating Network Peering to communicate the DMZ VPC with the LAN VPC (LAN VPC is not exposed to public so they need to communicate via private addresses which cannot be achieved with 2 VPCs without Network Peering). Plus, you can discard B, as you don't need to enable the egress traffic, you always need to enable the ingress traffic as this is never enabled by default.

upvoted 28 times

Alela 3 years, 5 months ago

A is wrong. You don't need to set up firewall rules between subnets of the same VPC. C is the answer

upvoted 12 times

gcpengineer 3 years, 2 months ago

You need fw rules

upvoted 1 times

demnok_lannik 2 years, 8 months ago

of course you do

upvoted 2 times

Ashii 3 years, 4 months ago

C is Create a VPC with a subnet for the DMZ and another VPC with a subnet for the LAN. 2. Set up firewall rules to open up relevant traffic between the DMZ and the LAN subnets, and another firewall rule to allow public ingress traffic for the DMZ. Without peering 2 VPC's how this this be done ?

upvoted 5 times

BenKenGo6 2 years, 1 month ago

and where do you have the VPC peering to communicate both VPCs?

upvoted 1 times

taylz876 `Most Recent ⁇` 1 year ago

`Selected Answer: A`

The answer is A:
Here's the explanation:

-->Single VPC: Creating a single Virtual Private Cloud (VPC) is a common practice to manage your resources in Google Cloud.
Subnet for DMZ and LAN: Creating separate subnets within the same VPC for the DMZ (public-facing) and LAN (private) resources is a recommended approach to segregate your resources.
-->Firewall Rules: Setting up firewall rules allows you to control traffic between the DMZ and LAN subnets and enables you to define specific access policies. You also need to allow public traffic (ingress) into the DMZ to make the public-facing resources accessible from the internet.
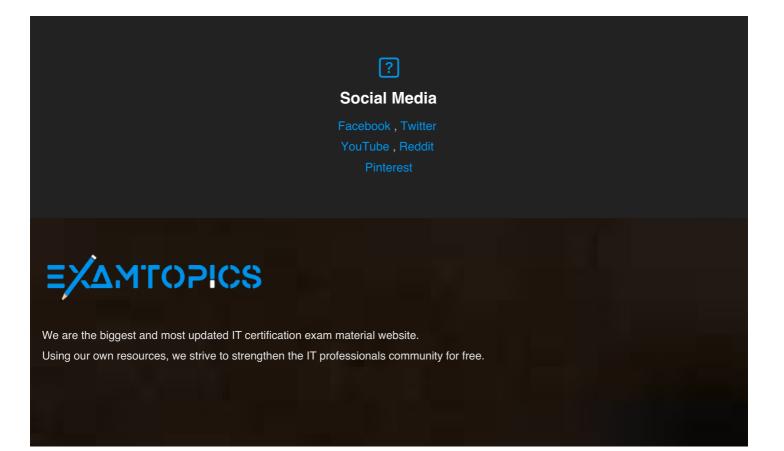
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Captain1212 1 year, 1 month ago

A is the correct answer, as it meet the question requirment

? ? ?   upvoted 2 times

diasporabro 2 years ago

A is the right choice

? ? ?   upvoted 1 times

snkhatri 2 years, 1 month ago

A seems right

? ? ?   upvoted 1 times

an0nym0us1 2 years, 1 month ago

hi All what is the ans

? ? ?   upvoted 1 times

AzureDP900 2 years, 4 months ago

1 VPC enough for LAN and DMZ , Need to open appropriate firewall rules. A is right.

? ? ?   upvoted 1 times

S00999 2 years, 4 months ago

Vote for A
By default traffic between subnets on a VPC network is not allowed (except on the "default" network).
(This blocks traffic between all instances, not just traffic between subnets => FW rules must be defined to allow communications between all instances, regardless the subnets)
2 VPC will not work without peering.

? ? ?   upvoted 2 times

somenick 2 years, 7 months ago

You can't explicitly create a FW rule for the subnet, but connections are allowed or denied on a per-instance basis. You can think of the VPC firewall rules as existing not only between your instances and other networks, but also between individual instances within the same network.
C will not work without peering...

? ? ?   upvoted 2 times

akshaym87 2 years, 8 months ago

Guys i cleared my exam last week. This question bank is must. 80% questions were from here.

? ? ?   upvoted 6 times

Boumer 2 years, 2 months ago

congratulation, i need to pass exam in end month .Can you give me some advise please?

? ? ?   upvoted 1 times

HansKloss611 2 years, 9 months ago

A - my vote. Two different vpc need vpc peering.

? ? ?   upvoted 3 times

gioresin1 2 years, 9 months ago

I don't understand why you say that the answer is A. If you have 2 subnets in the same network you won't have firewall between the 2 subnets. So you can't have a DMZ that can communicate with a private network. So the answer should be C.

? ? ?   upvoted 1 times

[Removed] 3 years ago

A is correct

? ? ?   upvoted 1 times

maan2935 3 years ago

Hi, I have an exam today. Are the questions still to some extent valid?

? ? ?   upvoted 3 times

jackwillis 3 years ago

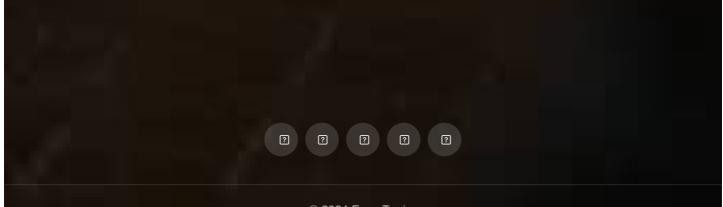Yes it is. I passed my exam on 3rd Oct received certificate on 7th Oct. Exam topics and a study course in Udemy which I bought during their discount sale, helped me.

? ? ? upvoted 1 times

gerhardbl 3 years, 2 months ago

Textbook example of DMZ and private subnet topology, hence answer A. Anyone who thinks C or multiple VPCs or whatever I strongly suggest you do CCNA before coming here.

? ? ? upvoted 4 times

associatecloudexamuser 3 years, 3 months ago

Yes. Correct answer is A. No need to complicate the setup by creating two different VPC networks.

? ? ? upvoted 2 times

shayanahmed 3 years, 3 months ago

All questions are still valid. I cleared my paper yesterday (shayan18@live.com)

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Congratulations!

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