EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 129 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer
Question #: 129
Topic #: 1
[All Associate Cloud Engineer Questions]

Your Dataproc cluster runs in a single Virtual Private Cloud (VPC) network in a single subnet with range 172.16.20.128/25. There are no private IP addresses available in the VPC network. You want to add new VMs to communicate with your cluster using the minimum number of steps. What should you do?

A. Modify the existing subnet range to 172.16.20.0/24.

B. Create a new Secondary IP Range in the VPC and configure the VMs to use that range.

C. Create a new VPC network for the VMs. Enable VPC Peering between the VMs' VPC network and the Dataproc cluster VPC network.

D. Create a new VPC network for the VMs with a subnet of 172.32.0.0/16. Enable VPC network Peering between the Dataproc VPC network and the VMs VPC network. Configure a custom Route exchange.

Show Suggested Answer

by francisco_guerra at *Aug. 10, 2020, 4:43 a.m.*

Comments

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

Correction.
Correct Answers is (A):

gcloud compute networks subnets expand-ip-range
NAME
gcloud compute networks subnets expand-ip-range - expand the IP range of a Compute Engine subnetwork

upvoted 49 times

ccieman2016 2 years, 1 month ago

I think, you can't expand ip range subnet, if there isn't space in VPC. I read this question a lot, VPC CIDR like with 172.16.20.128/25 and there's only one subnet 172.16.20.128/25 inside this VPC, so you can't expand nothing. for me, there's Letter C and D works, but letter D is necessary extra work. LETTER C is right.

upvoted 3 times

FeaRoX 1 year, 8 months ago

There's no information about VPC CIDR, only subnet. You can't tell that there's no space

upvoted 2 times

BigMac666 1 year, 4 months ago

VPC's DO NOT have IP range limitations.
You can only object if 172.16.20.0/25 is in use in the same VPC or in a VPC that this VPC is already peered with.

.128/25 expands to .0/24 (i.e. "backwards") So as long as it's free, you're good.

In a question like this, it's obvious that the simple answer is the right one, i.e. A - Expansion.

upvoted 3 times

gastonreppeto77 1 year ago

- The statement is clear with point 1A and 2A:
1A.- "single Virtual Private Cloud (VPC) network in a single subnet"
2A.- "There are no private IP addresses available in the VPC network."

- Question: How can you expand if there is a single VPC with a single subnet
and there are no private IP addresses available in the only VPC network ???

- Result: Yes it has limitation, this question is clear, this is and exam, not the real life, we cannot verify anything else and we have the limitation os the statement.

upvoted 1 times

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

I think is A,

upvoted 37 times

passmepls 4 years, 2 months ago

thank you

upvoted 4 times

Priyanka109 2 years ago

No it can't be as you can't modify ip address but can expand. There is no ip in the existing vpc so you have to create a new vpc and connect it using peering.

upvoted 3 times

deskj **Most Recent** 4 days, 4 hours ago

Selected Answer: A

The question asks for the "minimum number of steps", not what is wrong or right. A is the "minimum number of steps".

upvoted 1 times

denno22 3 weeks ago

Selected Answer: A

gcloud compute networks subnets expand-ip-range - expand the IP range of a Compute Engine subnetwork

https://cloud.google.com/sdk/gcloud/reference/compute/networks/subnets/expand-ip-range

upvoted 1 times

Enamfrancis 3 weeks, 6 days ago

Selected Answer: A

A is correct answer

upvoted 1 times

RKS_2021 1 month ago

Selected Answer: A

Expand the subnet

upvoted 1 times

klayhung 1 month, 2 weeks ago

Selected Answer: A

The correct answer is A because increasing the disk size is the simplest way to address the issue. Option C is overly complex and unnecessary.

upvoted 1 times

klayhung 1 month, 2 weeks ago

The correct answer is A, because increasing the disk size is the simplest way to address the issue. Option C is overly complex and unnecessary.

upvoted 1 times

bad5fad 1 month, 3 weeks ago

Selected Answer: A

"minimum number of steps". I think A is correct

upvoted 1 times

Timfdklfajlksdjlakf 1 month, 4 weeks ago

Selected Answer: A

You can always expand subnets. You can shrink them. So A is the correct answer.

upvoted 1 times

yehia2221 2 months, 4 weeks ago

The correct answer is A, in GCP, it is different from AWS or Azure, there is no CIDR assigned for the VPC itself, but each subnet inside the VPC has its own unique CIDR range, that you can expand (with some considtions), I saw some answers based on the logic of AWS and Azure

upvoted 1 times

ccpmad 4 months, 4 weeks ago

Selected Answer: A

Somes who vote C are out.

Read: the minimum number of steps > Modify the existing subnet range

upvoted 1 times

omunoz 5 months, 1 week ago

It should be A - key "using the minimum number of steps"...

upvoted 1 times

PiperMe 7 months, 2 weeks ago

Selected Answer: A

A. I gave this a test today and it worked as well.

upvoted 4 times

shmoeee 8 months ago

This is going on a split. Am I missing it? Why couldn't we just expand the IP range, as in Ans A?

upvoted 1 times

bubidubi 8 months, 1 week ago

A - correct

By far the most minimum amount of steps is required by A where you go from 128 to 254 available IPs.

upvoted 1 times

Tanidanindo 9 months ago

I see many references to the statement "There are no private IP addresses available in the VPC network". Modifying the subnet to a /24 adds 128 free addresses to it. I'll go for A.

upvoted 2 times

Load full discussion...

Start Learning for free

Social Media

Facebook , Twitter
YouTube , Reddit
Pinterest

We are the biggest and most updated IT certification exam material website.
Using our own resources, we strive to strengthen the IT professionals community for free.