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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 82 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 82

Topic #: 1

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Your VMs are running in a subnet that has a subnet mask of 255.255.255.240. The current subnet has no more free IP addresses and you require an additional 10 IP addresses for new VMs. The existing and new VMs should all be able to reach each other without additional routes. What should you do?

- A. Use gcloud to expand the IP range of the current subnet.
- B. Delete the subnet, and recreate it using a wider range of IP addresses.
- C. Create a new project. Use Shared VPC to share the current network with the new project.
- D. Create a new subnet with the same starting IP but a wider range to overwrite the current subnet.

Show Suggested Answer

by [JustLearning](#) at June 7, 2020, 10:42 p.m.

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JustLearning Highly Voted 4 years, 4 months ago

A: Expand the existing subnet.

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

upvoted 56 times

glam Highly Voted 4 years ago

A. Use gcloud to expand the IP range of the current subnet.

upvoted 11 times

JB28 Most Recent 9 months, 2 weeks ago

The correct answer is A. Use gcloud to expand the IP range of the current subnet.

Expanding the primary IPv4 address range of a subnet does not cause a break or gap in network connectivity². DHCP leases are not broken. IP addresses of running VMs at the time of the expansion do not change. You cannot “un-expand” or contract the range after it’s expanded. Expansion is permanent.

upvoted 2 times

BAofBK 11 months, 2 weeks ago

The correct answer is A

upvoted 1 times

Captain1212 1 year, 1 month ago

Selected Answer: A

A is correct , as you need to expand it

upvoted 2 times

trainingexam 1 year, 3 months ago

Selected Answer: A

gcloud compute networks subnets expand-ip-range NAME --prefix-length=PREFIX_LENGTH [--region=REGION] [GCLOUD_WIDE_FLAG ...]

upvoted 2 times

dasgcp 1 year, 6 months ago

Selected Answer: C

You can't expand the subnet because the question states "The current subnet has no more free IP addresses", correct answer is C.

upvoted 3 times

KerolesKhalil 1 year, 4 months ago

that's exactly why you expand the subnet =D

upvoted 8 times

Jimut 1 year, 7 months ago

Selected Answer: A

Use gcloud to expand the IP range of the current subnet.

upvoted 1 times

Mobin92 1 year, 7 months ago

Selected Answer: A

A. Use gcloud to expand the IP range of the current subnet.

upvoted 1 times

Buruguduystunstugudunstuy 1 year, 8 months ago

Selected Answer: A

Answer A (Use gcloud to expand the IP range of the current subnet): This option is correct because it allows you to expand the primary IP range of the existing subnet to accommodate the additional 10 IP addresses required for the new VMs. This can be done without deleting or recreating the subnet, which saves time and avoids disrupting any existing resources that are using the subnet.

upvoted 3 times

Bobbybash 1 year, 8 months ago

Selected Answer: A

A

To get an additional 10 IP addresses for new VMs running in a subnet that has no more free IP addresses and where existing and new VMs should be able to reach each other without additional routes, you should use gcloud to expand the IP range of the current subnet. This can be achieved by modifying the IP range of the subnet with the gcloud command-line tool. You can use the following command to increase the range of the subnet:

gcloud compute networks subnets expand [SUBNET_NAME] --range=[NEW_IP_RANGE]

Make sure to specify the name of the subnet you want to modify, and choose a new IP range that includes the current range and 10 additional IP addresses.

upvoted 3 times

ChillinBoy 1 year, 10 months ago

Selected Answer: A

A 100%

upvoted 1 times

csince 1 year, 10 months ago

Selected Answer: A

A: Expand the existing subnet.

upvoted 1 times

leogor 1 year, 11 months ago

Selected Answer: A

expand the IP range of the current subnet

upvoted 1 times

dennydream 1 year, 11 months ago

Why in the world would C be the answer? A is def the answer.

upvoted 1 times

Charumathi 2 years ago

A. is correct,

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

gcloud compute networks subnets expand-ip-range NAME --prefix-length=PREFIX_LENGTH [--region=REGION]
[GLOUD_WIDE_FLAG ...]

upvoted 1 times

gcpBeginner 2 years ago

correct answer is A. Use gcloud to expand the IP range of the current subnet.

upvoted 1 times

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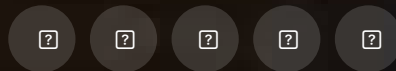
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