G Google Discussions

Exam Associate Cloud Engineer All Questions

View all questions & answers for the Associate Cloud Engineer exam

Go to Exam

EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 50 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 50

Topic #: 1

[All Associate Cloud Engineer Questions]

You have production and test workloads that you want to deploy on Compute Engine. Production VMs need to be in a different subnet than the test VMs. All the

VMs must be able to reach each other over Internal IP without creating additional routes. You need to set up VPC and the 2 subnets. Which configuration meets these requirements?

- A. Create a single custom VPC with 2 subnets. Create each subnet in a different region and with a different CIDR range.
- B. Create a single custom VPC with 2 subnets. Create each subnet in the same region and with the same CIDR range.
- C. Create 2 custom VPCs, each with a single subnet. Create each subnet in a different region and with a different CIDR range.
- D. Create 2 custom VPCs, each with a single subnet. Create each subnet in the same region and with the same CIDR range.

Show Suggested Answer

by \(\text{\text{\text{S} JamesBond}} \) at March 25, 2020, 4:17 p.m.

Comments

-	Type your comment
	Submit
E	JamesBond Highly Voted 4 years, 7 months ago A is correct
	upvoted 35 times
E	Nwk Highly Voted 3 years, 12 months ago Vote A https://cloud.google.com/vpc/docs/using-vpc#subnet-rules Primary and secondary ranges for subnets cannot overlap with any allocated range, any primary or secondary range of another subnet in the same network, or any IP ranges of subnets in peered networks. □ □ □ upvoted 22 times
E	☐ ighter001 Most Recent ② 5 months, 1 week ago Wrong question with wrong answer □ □ upvoted 3 times
	a ranjitsinhgutte 1 year ago A is correct If you create more than one subnet in a VPC, the CIDR blocks of the subnets cannot overlap. For example, if you create a VPC with CIDR block 10.0. 0.0/24, it supports 256 IP addresses. You can break this CIDR block into two subnets, each supporting 128 IP addresses. □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
E	 certboss 1 year, 1 month ago For anyone new to the business, prod and test networks should never talk to each other The requirement in this question (that both envs can reach each other) is completely against best practice and common sense There should always be complete network isolation between prod and non-prod environments. provided 7 times
	 iooj 1 month, 2 weeks ago in reality, business leads will push you to make such a connection, for example, because the test environment doesn't have enough data for testing iooj 1 month, 2 weeks ago in reality, business leads will push you to make such a connection, for example, because the test environment doesn't have enough data for testing iooj 1 month, 2 weeks ago
E	fraiacca 1 year, 1 month ago
	Selected Answer: A I tried to create a VPC with 2 subnets in same regione and same CIDR I got the following error Operation type [insert] failed with message "Invalid IPCidrRange: 10.0.0.0/28 conflicts with existing subnetwork 'subnet-1' in region 'asia-east1'." upvoted 3 times
	 Seleth 2 months, 3 weeks ago "same CIDR" means the same range of addresses. You cannot have two networks overlapping anywhere because the IPs will conflict. ★ □ upvoted 1 times
E	Captain1212 1 year, 1 month ago A is correct as it help to make sure they have a differret subnets upvoted 1 times
E	araselsys 1 year, 7 months ago
	Selected Answer: A A is the correct Answer. People voting for B need to improve their networking knowledge. upvoted 5 times
E	Buruguduystunstugudunstuy 1 year, 8 months ago Selected Answer: A

ANSWER A meets the requirement because it creates a single custom VPC with 2 subnets, with each subnet in a different region and with a different CIDR range. This ensures that the production and test VMs are in separate subnets and that they can communicate with each other over Internal IP without creating additional routes. Since the subnets are in different regions, they will also have different internal routing tables, which can help isolate the traffic between the two subnets. This configuration provides the necessary network isolation and connectivity required by the production and test workloads.

nowever, the requirement is that production vivis need to be in a different subflet than the test vivis, with the same CIDR range, it would not be possible to separate the production and test VMs into different subflets. Therefore, ANSWER B does not meet the requirement.

upvoted 14 times

■ NosFerazi 1 year, 8 months ago

Selected Answer: A

https://www.youtube.com/watch?v=XLaFU1t9pM8

8:15

upvoted 2 times

☐
♣ sidharthwader 1 year, 9 months ago

I feel the Answer is A it has to be in the same VPC to talk to each other but on 2 different subnet but is there any sense to have it different region? It should be fine with different CIDR for same region i feel

upvoted 2 times

□ 🏝 leogor 1 year, 12 months ago

Selected Answer: A

A, same VPC network with different CIDR range

□ ♣ PKookNN 2 years ago

A is correct

upvoted 1 times

□ ♣ Robertolo 2 years ago

Selected Answer: A

It has to be A: one VPC, two subnets in different regions and different CIDR range. (It would also be valid to have both subnets in the same region.)

What about option B? We know that "each primary or secondary IPv4 range for all subnets in a VPC network must be a unique valid CIDR block" (read here https://cloud.google.com/vpc/docs/subnets#ipv4-ranges). Thus, prod and test subnets cannot overlap -> option B is not valid.

Options C and D are not valid neither, because "all the VMs must be able to reach each other" - this will not happen if we distribute the VMs across two VPC.

upvoted 4 times

□ ♣ manukoli1986 2 years ago

Leutenant_Ololo, I test and checked. It is B answer

upvoted 1 times

E & FeaRoX 1 year, 8 months ago

how do you want to have 2 subnets with same CIDR? Not only in GCP but anywhere...

upvoted 1 times

☐ ♣ Akhi2022 2 years, 2 months ago

Option A is incorrect, see what us says "create each subnet in a different region and with a different CIDR range" in this case routing is required due different CIDR range.

Option B is correct, If you create 2 subnets in same CIDR you can communicate over internal IP without additional routing.

upvoted 4 times

□ Leutenant Ololo 2 years ago

routers will be created automatically. Just go create a new VPC with 2 subnets and then check routes. https://cloud.google.com/vpc/docs/routes#subnet-routes

☐ ♣ 73173v2 2 years, 2 months ago

Selected Answer: A

Different regions is something odd, but the main reason why its A is cause the CIDR range.

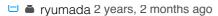
CIDR is the short for Classless Inter-Domain Routing. So, if we have 2 subnets, they CAN NOT BE the use the same CIDR.

IPv4 subnet ranges

"Each primary or secondary IPv4 range for all subnets in a VPC network must be a unique valid CIDR block. Refer to the per network limits for the number of secondary IP ranges you can define."

https://cloud.google.com/vpc/docs/vpc

upvoted 4 times



You should understand that the VPC is a Global Resource. You can create a VPC and having subnets accross regions. This subnets could communicate to each other through their Private IP.

https://cloud.google.com/sql/docs/mysql/private-ip#overview

upvoted 3 times

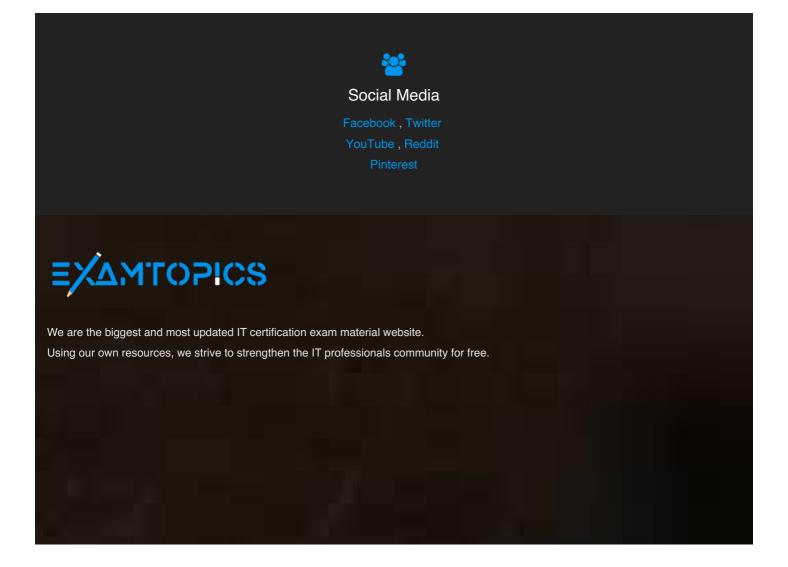
■ uk_dataguy 1 year ago

It seems that it doesn't have to be different regions, but the CIDR range should be different. That's the key

upvoted 1 times

Load full discussion...

Start Learning for free





© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions. ExamTopics

Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.