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Exam Professional Cloud Security Engineer All Questions

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EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 118 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 118

Topic #: 1

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You need to set up two network segments: one with an untrusted subnet and the other with a trusted subnet. You want to configure a virtual appliance such as a next-generation firewall (NGFW) to inspect all traffic between the two network segments. How should you design the network to inspect the traffic?

- A. 1. Set up one VPC with two subnets: one trusted and the other untrusted. 2. Configure a custom route for all traffic (0.0.0.0/0) pointed to the virtual appliance.
- B. 1. Set up one VPC with two subnets: one trusted and the other untrusted. 2. Configure a custom route for all RFC1918 subnets pointed to the virtual appliance.
- C. 1. Set up two VPC networks: one trusted and the other untrusted, and peer them together. 2. Configure a custom route on each network pointed to the virtual appliance.
- D. 1. Set up two VPC networks: one trusted and the other untrusted. 2. Configure a virtual appliance using multiple network interfaces, with each interface connected to one of the VPC networks.




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by  [mouchu](#) at May 18, 2022, 6:54 a.m.

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  **mouchu** Highly Voted  2 years, 2 months ago

Answer = D

Multiple network interfaces. The simplest way to connect multiple VPC networks through a virtual appliance is by using multiple network interfaces, with each interface connecting to one of the VPC networks. Internet and on-premises connectivity is provided over one or two separate network interfaces. With many NGFW products, internet connectivity is connected through an interface marked as untrusted in the NGFW software.

   upvoted 11 times

  **mT3** 2 years, 2 months ago

Agreed.

Ref: For Cisco Firepower Threat Defense Virtual:

https://www.cisco.com/c/en/us/td/docs/security/firepower/quick_start/gcp/ftdv-gcp-gsg/ftdv-gcp-intro.html




   upvoted 2 times

  **AzureDP900** 1 year, 8 months ago

Agree

D. 1. Set up two VPC networks: one trusted and the other untrusted. 2. Configure a virtual appliance using multiple network interfaces, with each interface connected to one of the VPC networks.

   upvoted 2 times

  **mikesp** Highly Voted  2 years, 1 month ago

Selected Answer: D

<https://cloud.google.com/architecture/best-practices-vpc-design>

This architecture has multiple VPC networks that are bridged by an L7 next-generation firewall (NGFW) appliance, which functions as a multi-NIC bridge between VPC networks.

   upvoted 5 times

  **rsamant** Most Recent  7 months, 4 weeks ago

A, we need to define routing to divert all traffic through the network appliance


<https://cloud.google.com/architecture/architecture-centralized-network-appliances-on-google-cloud>

   upvoted 1 times

  **rsamant** 7 months, 4 weeks ago



no, B is the correct answer Use routing. In this approach, Google Cloud routes direct the traffic to the virtual appliances from the connected VPC networks

   upvoted 1 times

  **desertlotus1211** 11 months ago

I'm not sure id Answer D is the 'most' correct answer.... The subnet already exists... it didn't ask for a redesign.

   upvoted 2 times

  **desertlotus1211** 11 months ago

After reading again - the question is in fact asking to design the A network with those subnets... Answer D is correct. Sorry about that

   upvoted 2 times

  **blacortik** 11 months ago

Selected Answer: D

D, specifically addresses the design of using two VPC networks and connecting a virtual appliance (NGFW) with multiple interfaces, each connected to a different VPC network. This design allows the appliance to inspect and control the traffic between the trusted and untrusted segments effectively.

   upvoted 2 times

  **zelck** 1 year, 10 months ago

Selected Answer: D

D is the answer.

<https://cloud.google.com/architecture/best-practices-vpc-design#17>

This architecture has multiple VPC networks that are bridged by an L7 next-generation firewall (NGFW) appliance, which functions as a multi-NIC bridge between VPC networks.

An untrusted, outside VPC network is introduced to terminate hybrid interconnects and internet-based connections that terminate on the outside leg of the L7 NGFW for inspection. There are many variations on this design, but the key principle is to filter traffic through the firewall before the traffic reaches trusted VPC networks.

   upvoted 4 times

  **badrik** 2 years, 1 month ago

Selected Answer: B

B , 100% !

   upvoted 1 times



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