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## Exam Associate Cloud Engineer All Questions

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### EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 91 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 91

Topic #: 1

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Your company's infrastructure is on-premises, but all machines are running at maximum capacity. You want to burst to Google Cloud. The workloads on Google Cloud must be able to directly communicate to the workloads on-premises using a private IP range. What should you do?

- A. In Google Cloud, configure the VPC as a host for Shared VPC.
- B. In Google Cloud, configure the VPC for VPC Network Peering.
- C. Create bastion hosts both in your on-premises environment and on Google Cloud. Configure both as proxy servers using their public IP addresses.
- D. Set up Cloud VPN between the infrastructure on-premises and Google Cloud.

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by  [SIX](#) at June 4, 2020, 11:40 p.m.

## Comments

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🗄️ 👤 **SIX** Highly Voted 👍 4 years, 4 months ago

I believe D is the right answer

👍 ↩️ 🚩 upvoted 57 times

🗄️ 👤 **dan80** 4 years, 4 months ago

B is correct - <https://cloud.google.com/solutions/best-practices-vpc-design> . this answer also on all machines are running at maximum capacity.

👍 ↩️ 🚩 upvoted 2 times

🗄️ 👤 **JustLearning** 4 years, 4 months ago

vpc network peering does not connect to on-prem. Cloud VPN is the correct solution.  
<https://cloud.google.com/vpn/docs/concepts/overview>

👍 ↩️ 🚩 upvoted 27 times

🗄️ 👤 **mlantonis** 4 years, 4 months ago

You need VPN, so D is the correct. VPC network peering is between VPCs.

👍 ↩️ 🚩 upvoted 15 times

🗄️ 👤 **xharf** 2 years, 2 months ago

"Google Cloud VPC Network Peering allows internal IP address connectivity across two Virtual Private Cloud (VPC) networks regardless of whether they belong to the same project or the same organization."  
<https://cloud.google.com/vpc/docs/vpc-peering>

while

"Cloud Interconnect provides low latency, high availability connections that enable you to reliably transfer data between your on-premises and Google Cloud Virtual Private Cloud (VPC) networks."  
<https://cloud.google.com/network-connectivity/docs/interconnect/concepts/overview>

and

"HA VPN is a high-availability (HA) Cloud VPN solution that lets you securely connect your on-premises network to your VPC network through an IPsec VPN connection in a single region."  
<https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview>

so, cloud vpn is the best answer for the question requirement

👍 ↩️ 🚩 upvoted 7 times

🗄️ 👤 **ESP\_SAP** Highly Voted 👍 4 years, 2 months ago

Correct Answer is (D):

Access internal IPs directly

Your VPC network's internal (RFC 1918) IP addresses are directly accessible from your on-premises network with peering, no NAT device or VPN tunnel required.

Hybrid made easy

Today's business climate demands flexibility. Connecting your on-premises resources to your cloud resources seamlessly, with minimum latency or interruption, is a business-critical requirement. The speed and reliability of Cloud Interconnect lets you extend your organization's data center network into Google Cloud, simply and easily, while options such as Cloud VPN provide flexibility for all your workloads. This unlocks the potential of hybrid app development and all the benefits the cloud has to offer.

In the graphic below: What GCP Connection is right for you? shows clearly what is the method for extend your on premise network (IP Private communication).

What GCP Connection is right for you?

<https://cloud.google.com/hybrid-connectivity>

👍 ↩️ 🚩 upvoted 35 times

🗄️ 👤 **BAofBK** Most Recent 🕒 11 months, 2 weeks ago

The correct answer is D

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **Captain1212** 1 year, 1 month ago

**Selected Answer: D**

D is the right answer as they need the private range and the machine are also on high working load

👍 ↩️ 🚩 upvoted 4 times

🗄️ 👤 **rosapersiani** 1 year, 4 months ago

**Selected Answer: D**

d is right

👍 ↩️ 🚩 upvoted 1 times

   upvoted 1 times

  **sabrinakloud** 1 year, 6 months ago

**Selected Answer: D**

VPN to connect your on-premise network to the cloud

   upvoted 2 times

  **Partha117** 1 year, 7 months ago

**Selected Answer: D**

VPN for on premise connection to GCP

   upvoted 2 times

  **Buruguduystunstugudunstuy** 1 year, 8 months ago

**Selected Answer: D**

Answer D. Set up Cloud VPN between the infrastructure on-premises and Google Cloud.

To burst into Google Cloud from the on-premises infrastructure, a VPN connection can be established between the on-premises network and Google Cloud. VPN provides a secure, private tunnel to transfer data between on-premises infrastructure and Google Cloud. Cloud VPN would allow workloads on Google Cloud to communicate with workloads on-premises over private IP addresses, making it a suitable option for this scenario.

Answer A (Shared VPC) and Answer B (VPC Network Peering) do not address the requirement of communicating over a private IP range between on-premises and Google Cloud.

Answer C (bastion hosts) involves the use of public IP addresses, which may not be suitable for a private, secure connection.

   upvoted 8 times

  **csline** 1 year, 10 months ago

**Selected Answer: D**

D is the right answer

   upvoted 1 times

  **leogor** 1 year, 11 months ago

**Selected Answer: D**

Cloud VPN

   upvoted 1 times

  **VaneA** 2 years ago

**Selected Answer: D**

It is the answer



   upvoted 1 times

  **RanjithK** 2 years, 3 months ago

**Selected Answer: D**

Go with D

   upvoted 1 times

  **AzureDP900** 2 years, 4 months ago

D is right answer

   upvoted 1 times

  **AzureDP900** 2 years, 4 months ago

Cloud VPN is way to establish connection between on prem to cloud . D is correct.

   upvoted 2 times

  **Uqqasha** 2 years, 9 months ago

**Selected Answer: D**

D is the right answer.

   upvoted 2 times

  **ARVII** 2 years, 10 months ago

On-premise -> GCP

There are 2 ways

1. Cloud VPN

2. Interconnect

Since we have VPN as an option, others is not recommended

   upvoted 3 times

  **Vidyaji** 2 years, 10 months ago

D is perfect

   upvoted 1 times

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