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📄 **EXAM CLOUD DIGITAL LEADER TOPIC 1 QUESTION 11 DISCUSSION**

Actual exam question from Google's Cloud Digital Leader
Question #: 11
Topic #: 1

[All Cloud Digital Leader Questions]

Your organization stores highly sensitive data on-premises that cannot be sent over the public internet. The data must be processed both on-premises and in the cloud.
What should your organization do?

A. Configure Identity-Aware Proxy (IAP) in your Google Cloud VPC network

B. Create a Cloud VPN tunnel between Google Cloud and your data center

C. Order a Partner Interconnect connection with your network provider

D. Enable Private Google Access in your Google Cloud VPC network

Show Suggested Answer

by 👤 **kapomony** at *Dec. 28, 2021, 11 a.m.*

Comments

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⊟ 👤 **egvidal** 🔲 Highly Voted 👍 2 years, 9 months ago

Not over public internet, therefore it's C

👍 ↩ 🚩 upvoted 20 times

☐ 👤 **haroldbenites** `Highly Voted 👍` 2 years, 4 months ago

Go for B.

Always we have to review the statement carefully.

It says:

"hightly sensitive data".

Due to Cloud VPN, which encrypt data is the better option.

Partner interconnect:

https://cloud.google.com/network-connectivity/docs/how-to/choose-product

The connection between your network and Google's network is not encrypted. If you require additional data security, use application-level encryption or your own VPN. Currently, you can't use Cloud VPN with Partner Interconnect, but you can use your own VPN solution.

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    ☐ 👤 **SreekarM** 1 year, 11 months ago

    But it is sent over public internet

    👍 ↩ 🚩 upvoted 11 times

☐ 👤 **Nishantkumar** `Most Recent ⊙` 1 week, 4 days ago

Correct Answer-

B. Create a Cloud VPN tunnel between Google Cloud and your data center.

This option provides a secure connection that allows your organization to transfer data safely between on-premises systems and the cloud without exposing sensitive information to the public internet. A VPN tunnel ensures that the data remains encrypted and secure during transit, aligning with the requirement to handle sensitive data appropriately.

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☐ 👤 **joe03** 3 months, 2 weeks ago

Cloud VPN, though it can be made secure, still goes through the public internet. Partner Interconnect goes through a private connection.

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☐ 👤 **Karpagam_S** 5 months ago

C is the right answer

👍 ↩ 🚩 upvoted 1 times

☐ 👤 **cloudinvader** 8 months, 2 weeks ago

To obtain secure communication between on-premises and the cloud environment.

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☐ 👤 **sivakarthick16** 10 months, 1 week ago

Option B allows for secure communication between your on-premises network and the Google Cloud environment, ensuring that sensitive data remains protected during transit.

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☐ 👤 **Guru4Cloud** 10 months, 3 weeks ago

The correct answer is D. Enable Private Google Access in your Google Cloud VPC network.

C - This option provides a dedicated connection with high bandwidth and low latency, suitable for large data transfers. However, it may be overkill if the primary concern is securely transferring sensitive data.

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☐ 👤 **chai_gpt** 11 months, 3 weeks ago

C is correct

👍 ↩ 🚩 upvoted 1 times

☐ 👤 **chai_gpt** 11 months, 3 weeks ago

C is correct

👍 ↩ 🚩 upvoted 1 times

👤 **__rajan__** 1 year ago

B. Create a Cloud VPN tunnel between Google Cloud and your data center

To securely process highly sensitive data both on-premises and in the cloud without sending it over the public internet, your organization should create a Cloud VPN tunnel between Google Cloud and your data center. This establishes a secure, encrypted connection between your on-premises network and your Google Cloud Virtual Private Cloud (VPC). The VPN tunnel ensures that data remains protected during transit and allows for secure communication between your on-premises environment and the cloud.

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👤 **mdsarfraz69** 1 year, 1 month ago

C is the Answer

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👤 **hireshgupt** 1 year, 3 months ago

The answer to your question is B. Create a Cloud VPN tunnel between Google Cloud and your data center.

A Cloud VPN tunnel is a secure, private connection between your on-premises network and your Google Cloud Platform (GCP) network. It uses the internet to connect your networks, but it encrypts all traffic over the connection, ensuring that your data remains private and secure.

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👤 **Mwafrika** 1 year, 3 months ago

Option B (Create a Cloud VPN tunnel) might seem like a plausible choice for connecting on-premises to Google Cloud, but it is essential to note that VPNs usually use the public internet to create encrypted connections, which contradicts the requirement that the data cannot be sent over the public internet. Partner Interconnect, on the other hand, establishes a private connection, making it a more suitable option in this case.

👍 ↩ 🚩 upvoted 5 times

👤 **cookieMr** 1 year, 4 months ago

Set up a dedicated private network connection between your on-premises infrastructure and Google Cloud Platform (GCP). This can be achieved using Dedicated Interconnect or Partner Interconnect, which provide direct, private, and secure connections between your on-premises data center and GCP's network.

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👤 **sjain93** 1 year, 5 months ago

C - A Partner Interconnect connection allows you to establish a dedicated, private, and secure network connection between your on-premises data center and Google Cloud. This connection operates outside of the public internet, providing a direct link with high bandwidth and low latency.

👍 ↩ 🚩 upvoted 5 times

👤 **deCalle** 1 year, 6 months ago

read the question carfully. it says it can't be sent over the public internet. did the same mistake and initially voted for b

👍 ↩ 🚩 upvoted 3 times

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