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## Exam Associate Cloud Engineer All Questions

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### EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 256 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 256

Topic #: 1

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You have deployed an application on a Compute Engine instance. An external consultant needs to access the Linux-based instance. The consultant is connected to your corporate network through a VPN connection, but the consultant has no Google account. What should you do?

- A. Instruct the external consultant to use the `gcloud compute ssh` command line tool by using Identity-Aware Proxy to access the instance.
- B. Instruct the external consultant to use the `gcloud compute ssh` command line tool by using the public IP address of the instance to access it.
- C. Instruct the external consultant to generate an SSH key pair, and request the public key from the consultant. Add the public key to the instance yourself, and have the consultant access the instance through SSH with their private key.
- D. Instruct the external consultant to generate an SSH key pair, and request the private key from the consultant. Add the private key to the instance yourself, and have the consultant access the instance through SSH with their public key.

Show Suggested Answer

by [shiwobah](#) at Dec. 30, 2023, 6:55 a.m.

### Comments

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  **Cynthia2023** Highly Voted  9 months, 3 weeks ago

**Selected Answer: C**

A. Using Identity-Aware Proxy (IAP): While IAP is a secure method of accessing Compute Engine instances, it typically requires a Google account for authentication, which the consultant does not have.

   upvoted 7 times

  **JB28** Highly Voted  9 months, 1 week ago

The correct answer is **C**.

To allow an external consultant to access a Linux-based Compute Engine instance, you should:

- Instruct the external consultant to generate an **SSH key pair**. This will result in a public key and a private key.
- Request the **public key** from the consultant. The public key can be shared without compromising security.
- Add the public key to the instance yourself. This will allow the consultant to authenticate with the Compute Engine instance.
- Have the consultant access the instance through SSH with their **private key**. The private key should be kept secret and not shared.

The other options (A, B, and D) are not correct because they either require the consultant to have a Google account, expose the instance to the public internet, or involve sharing the private key, which is a security risk.

   upvoted 6 times

  **Chetantest07** Most Recent  3 weeks, 2 days ago

**Selected Answer: A**

A. IAP can work with no google account. <https://cloud.google.com/iap/docs/external-identities>

   upvoted 2 times

  **denno22** 4 weeks ago

**Selected Answer: A**

<https://cloud.google.com/iap/docs/external-identities>.

   upvoted 1 times

  **C0D3LK** 1 month, 2 weeks ago

**Selected Answer: C**

Although its confusing and contradicting with Question 152, I would proceed to choose C for this. Question states no google account and the consultant is connected through VPN to the corporate network also its "an instant", not many..

   upvoted 1 times

  **Timfdklfajlksdjlakf** 1 month, 3 weeks ago

**Selected Answer: C**

This is correct. For IAP you need a google account. Read the damn question, it clearly states that he doesn't have a google account goshdarnit!

   upvoted 1 times

  **user636** 3 months ago

IMO answer is "A".

IAP does not require Google account. There are other authentication methods supported by IAP too. Ref:

<https://cloud.google.com/iap/docs/authenticate-users-external-identities>

   upvoted 1 times

  **ccpmad** 5 months ago

A requires a Google account and the consultant has not. So it is C.

   upvoted 1 times

  **adsdadasdad** 5 months, 3 weeks ago

**Selected Answer: A**

Should be A based on the previous questions

   upvoted 3 times

  **STEVE\_PEGLEG** 8 months, 3 weeks ago

**Selected Answer: A**

See responses on question #152

And <https://cloud.google.com/iap/docs/external-identities>.



RE: IAP "This is useful if your application is already using an external authentication system, and migrating your users to Google accounts is impractical"

   upvoted 5 times

  **leoalvarezh** 8 months, 1 week ago

but the consultant is already in the corporate network through VPN, no need an external access

   upvoted 2 times

  **YANGGE** 8 months, 3 weeks ago

A (IAP) is the solution



   upvoted 3 times

  **KelvinToo** 9 months, 3 weeks ago

**Selected Answer: C**

Per ChatGPT, Option C provides a secure and recommended method for granting the external consultant access to the Compute Engine instance using SSH key authentication without the need for a Google account.

   upvoted 4 times

  **shiowbah** 9 months, 3 weeks ago

C. Instruct the external consultant to generate an SSH key pair, and request the public key from the consultant. Add the public key to the instance yourself, and have the consultant access the instance through SSH with their private key.

   upvoted 3 times

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