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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 210 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 210

Topic #: 1

[All Associate Cloud Engineer Questions]

Your team is using Linux instances on Google Cloud. You need to ensure that your team logs in to these instances in the most secure and cost efficient way. What should you do?

A. Attach a public IP to the instances and allow incoming connections from the internet on port 22 for SSH.

B. Use the gcloud compute ssh command with the --tunnel-through-iap flag. Allow ingress traffic from the IP range 35.235.240.0/20 on port 22.

C. Use a third party tool to provide remote access to the instances.

D. Create a bastion host with public internet access. Create the SSH tunnel to the instance through the bastion host.

Show Suggested Answer

by techsteph at *July 17, 2023, 2:06 p.m.*

Comments

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Captain1212 `Highly Voted` 1 year, 1 month ago

Selected Answer: B

Common sense B is the correct answer , must safer from using the third party apps or the public id addresses

upvoted 6 times

LaCubanita `Most Recent` 1 week, 1 day ago

According to Gemini: In Google Cloud Platform (GCP), Identity-Aware Proxy (IAP) is a more secure alternative to bastion hosts for accessing private resources. IAP encrypts SSH connections end-to-end, so it can't inspect the contents of the session. IAP also provides access controls to reduce the risk of unauthorized access and data breaches. https://cloud.google.com/compute/docs/connect/ssh-best-practices/network-access#use-a-bastion-host

upvoted 1 times

Ciupaz 1 month ago

Selected Answer: B

Why the others are not correct?
Bastion Host: While a bastion host can provide remote access, it introduces additional complexity and potential security risks.
Third-Party Tools: Using third-party tools may add costs and introduce dependencies.

upvoted 2 times

Rajkumar21 7 months, 3 weeks ago

One General Question: Most of the cases the Answer provided for each questions in Exam Topic Differs from the Answer comes as a result as part of discussion.
Just worried, since appearing ACE exam-Should we go with Answers what the group of people says (with highest percentage opted answer)?

upvoted 1 times

123kiki1626 5 months, 2 weeks ago

Go with majority, the website might have the wrong answer but discussion and majority people mostly know the right answer.

upvoted 5 times

mufuuuu 10 months, 4 weeks ago

Selected Answer: B

B is correct

upvoted 2 times

Rahul001 10 months, 3 weeks ago

I will be appearing for Ace in the upcoming week is this 255 questions will be enough to pass the exam

upvoted 2 times

tlopsm 10 months, 2 weeks ago

Please give us feedback when you are done

upvoted 4 times

Rahul001 10 months, 2 weeks ago

Yes it is enough to clear, 6-7 questions may come from outside exam topics but you can expect atleast 40 to come out of 246 questions.

upvoted 8 times

3arle 1 year, 2 months ago

Selected Answer: B

You can use Bastion if
"You have a specific use case, like session recording, and you can't use IAP."
https://cloud.google.com/compute/docs/connect/ssh-internal-ip

upvoted 4 times

Ahmed_Y 1 year, 1 month ago

Thanks for that link but I think it is C, Although totally agree that Bastion comes 2nd in that table, no way all the user would have IP within this range 35.235.240.0/20!

upvoted 1 times

itsimranmalik 1 year, 1 month ago

"allows ingress traffic from the IP range `35.235.240.0/20`. This range contains all IP addresses that IAP uses for TCP forwarding"
https://cloud.google.com/iap/docs/using-tcp-forwarding#create-firewall-rule

upvoted 2 times

qannik 1 year, 2 months ago

Selected Answer: D

But the question states "You need to ensure that your team logs in to these instances in the most secure and cost efficient way"

Bastion is more secure than IAP but I'm not sure is more cost effective...

Hard to choose

upvoted 1 times

juliorevk 1 year, 2 months ago

Understood about IAP being a secure way to SSH but where did the "Allow ingress traffic from the IP range 35.235.240.0/20 on port 22." come from and how does that fit in? The question had no details about it and the IP range seemed to come out of nowhere.

upvoted 4 times

Linhtinh603 10 months, 2 weeks ago

35.235.240.0/20 is IP range of Cloud IAP for TCP forwarding, we need to allow ingress as the guideline below:
https://cloud.google.com/iap/docs/using-tcp-forwarding#preparing_your_project_for_tcp_forwarding

upvoted 2 times

Husni_adam 1 year, 3 months ago

Selected Answer: B

https://cloud.google.com/compute/docs/connect/ssh-using-iap#gcloud
according the documentation the correct answer is B

upvoted 3 times

techsteph 1 year, 3 months ago

Selected Answer: B

https://cloud.google.com/compute/docs/connect/ssh-using-iap#gcloud

upvoted 2 times

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