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Exam Professional Cloud Security Engineer All Questions

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EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 25 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer
Question #: 25
Topic #: 1
[All Professional Cloud Security Engineer Questions]

Your team needs to configure their Google Cloud Platform (GCP) environment so they can centralize the control over networking resources like firewall rules, subnets, and routes. They also have an on-premises environment where resources need access back to the GCP resources through a private VPN connection.
The networking resources will need to be controlled by the network security team.
Which type of networking design should your team use to meet these requirements?

A. Shared VPC Network with a host project and service projects

B. Grant Compute Admin role to the networking team for each engineering project

C. VPC peering between all engineering projects using a hub and spoke model

D. Cloud VPN Gateway between all engineering projects using a hub and spoke model

Show Suggested Answer

by ArizonaClassics at *Aug. 2, 2020, 2:10 a.m.*

Comments

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ArizonaClassics Highly Voted 2 years, 12 months ago

I agree with A
Centralize network control:

Use Shared VPC to connect to a common VPC network. Resources in those projects can communicate with each other securely and efficiently across project boundaries using internal IPs. You can manage shared network resources, such as subnets, routes, and firewalls, from a central host project, enabling you to apply and enforce consistent network policies across the projects.

upvoted 19 times

> **ArizonaClassics** 2 years, 12 months ago
>
> WATCH: https://www.youtube.com/watch?v=WotV3D01tJA
>
> READ:
> https://cloud.google.com/docs/enterprise/best-practices-for-enterprise-organizations#centralize_network_control
>
> upvoted 5 times

Sheeda Highly Voted 2 years, 11 months ago

I believe the answer is D. How can shared VPC give access to your on premise environment ? A seems wrong to me.

upvoted 5 times

> **AkbarM** 10 months, 1 week ago
>
> I also believe the same. i worked on interconnects and gateways to connect on prem resources.. only hub and spoke helps to connect onpremise network. ofcourse, we can centralize network controls using shared vpc. but the need here is some engineerng resources in on prem needs to access gcp resources. so this needs gateway to access gcp resources.
>
> upvoted 2 times

kamal17 Most Recent 7 months, 3 weeks ago

Answer is D , bocz On-prime user needs to access the GCP resources with help of Cloud VPN

upvoted 2 times

GCP72 11 months ago

Selected Answer: A

The correct answer is A

upvoted 1 times

minostrozaml2 1 year, 6 months ago

Took the tesk today, only 5 question from this dump, the rest are new questions.

upvoted 1 times

ZODOGAM 1 year, 8 months ago

Sheeda En mi caso te confirmo que desde la share VPC se establecen las VPNs y allí ingresa el tráfico desde los sitios locales. Definitivamente, la respuesta es la A

upvoted 1 times

DebasishLowes 2 years, 4 months ago

Ans : A. It will be shared VPC as it is asking for centralized network control.

upvoted 1 times

jonclem 2 years, 8 months ago

Option D is incorrect and a violation of Google's Service Specific terms as per : https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview

I'd go with option A myself.

upvoted 1 times

saurabh1805 2 years, 9 months ago

A, this is exact reason to use shared VPC

upvoted 1 times

CHECK666 2 years, 10 months ago

A is the answer.

upvoted 1 times

Akku1614 2 years, 10 months ago

A is correct as Shared VPC provides us with Centralized control however VPC Peering is a decentralized option.

upvoted 1 times

aiwaai 2 years, 11 months ago

Correct Answer: A

upvoted 1 times

Sheeda 2 years, 11 months ago

Connect your enterprise network

Many enterprises need to connect existing on-premises infrastructure with their Google Cloud resources. Evaluate your bandwidth, latency, and SLA requirements to choose the best connection option:

If you need low-latency, highly available, enterprise-grade connections that enable you to reliably transfer data between your on-premises and VPC networks without traversing the internet connections to Google Cloud, use Cloud Interconnect:

Dedicated Interconnect provides a direct physical connection between your on-premises network and Google's network.
Partner Interconnect provides connectivity between your on-premises and Google Cloud VPC networks through a supported service provider.
If you don't require the low latency and high availability of Cloud Interconnect, or you are just starting on your cloud journey, use Cloud VPN to set up encrypted IPsec VPN tunnels between your on-premises network and VPC. Compared to a direct, private connection, an IPsec VPN tunnel has lower overhead and costs.

upvoted 1 times

ESP_SAP 2 years, 8 months ago

you Should go back to the GCP Cloud Architect concepts or GCP Networking!

upvoted 2 times

ArizonaClassics 2 years, 11 months ago

Sheeda you need to read and understand the the question.

upvoted 1 times

ArizonaClassics 2 years, 11 months ago

They are asking how you can centralize the control over networking resources like firewall rules, subnets, and routes.
watch this: https://www.youtube.com/watch?v=WotV3D01tJA
you will see that you can also manage vpn connections as well

upvoted 1 times