DBCLOUD
EXAMS

QUESTIONS & ANSWERS

verified



Technology Provider: Google
Exam: Professional Cloud Network Engineer
Number of questions in the database: 285
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Topic 1 - Single Topic

Question #1*Topic 1*

You need to restrict access to your Google Cloud load-balanced application so that only specific IP addresses can connect.
What should you do?

- A. Create a secure perimeter using the Access Context Manager feature of VPC Service Controls and restrict access to the source IP range of the allowed clients and Google health check IP ranges.
- B. Create a secure perimeter using VPC Service Controls, and mark the load balancer as a service restricted to the source IP range of the allowed clients and Google health check IP ranges.
- C. Tag the backend instances "application," and create a firewall rule with target tag "application" and the source IP range of the allowed clients and Google health check IP ranges.
- D. Label the backend instances "application," and create a firewall rule with the target label "application" and the source IP range of the allowed clients and Google health check IP ranges.

Correct Answer: *C*
Reference:
https://link.springer.com/chapter/10.1007/978-1-4842-1004-8_4

Respuesta por mayor votación de la comunidad

C (67%)

B (17%)

A (17%)

Question #2*Topic 1*

Your end users are located in close proximity to us-east1 and europe-west1. Their workloads need to communicate with each other. You want to minimize cost and increase network efficiency.
How should you design this topology?

- A. Create 2 VPCs, each with their own regions and individual subnets. Create 2 VPN gateways to establish connectivity between these regions.

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- B. Create 2 VPCs, each with their own region and individual subnets. Use external IP addresses on the instances to establish connectivity between these regions.
- C. Create 1 VPC with 2 regional subnets. Create a global load balancer to establish connectivity between the regions.
- D. Create 1 VPC with 2 regional subnets. Deploy workloads in these subnets and have them communicate using private RFC1918 IP addresses.

Correct Answer: *D*
VPC Network Peering enables you to peer VPC networks so that workloads in different VPC networks can communicate in private RFC 1918 space. Traffic stays within Google's network and doesn't traverse the public internet.
Reference:
https://cloud.google.com/vpc/docs/vpc-peering

Respuesta por mayor votación de la comunidad

D (100%)

Question #3*Topic 1*

Your organization is deploying a single project for 3 separate departments. Two of these departments require network connectivity between each other, but the third department should remain in isolation. Your design should create separate network administrative domains between these departments. You want to minimize operational overhead.
How should you design the topology?

- A. Create a Shared VPC Host Project and the respective Service Projects for each of the 3 separate departments.
- B. Create 3 separate VPCs, and use Cloud VPN to establish connectivity between the two appropriate VPCs.
- C. Create 3 separate VPCs, and use VPC peering to establish connectivity between the two appropriate VPCs.
- D. Create a single project, and deploy specific firewall rules. Use network tags to isolate access between the departments.

Correct Answer: *A*
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. With Shared VPC and IAM controls, you can separate network administration from project administration. This separation helps you implement the principle of least privilege. For example, a centralized network team can administer the network without having any permissions into the participating projects. Similarly, the project admins can manage their project resources without any permissions to manipulate the shared network.

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Reference:
https://cloud.google.com/docs/enterprise/best-practices-for-enterprise-organizations

Respuesta por mayor votación de la comunidad

C (100%)

Question #4*Topic 1*

You are migrating to Cloud DNS and want to import your BIND zone file.
Which command should you use?

- A. gcloud dns record-sets import ZONE_FILE --zone MANAGED_ZONE
- B. gcloud dns record-sets import ZONE_FILE --replace-origin-ns --zone MANAGED_ZONE
- C. gcloud dns record-sets import ZONE_FILE --zone-file-format --zone MANAGED_ZONE
- D. gcloud dns record-sets import ZONE_FILE --delete-all-existing --zone MANAGED ZONE

Correct Answer: *C*
Once you have the exported file from your other provider, you can use the gcloud dns record-sets import command to import it into your managed zone.
To import record-sets, you use the dns record-sets import command. The --zone-file-format flag tells importto expect a BIND zone formatted file. If you omit this flag, import expects a YAML-formatted records file.
Reference:
https://medium.com/@prashantapaudel/gcp-certification-series-2-4-planning-and-configuring-network-resources-8045ac2cc2ac

Respuesta por mayor votación de la comunidad

C (100%)

Question #5*Topic 1*

You created a VPC network named Retail in auto mode. You want to create a VPC network named Distribution and peer it with the Retail VPC.
How should you configure the Distribution VPC?

- A. Create the Distribution VPC in auto mode. Peer both the VPCs via network peering.
- B. Create the Distribution VPC in custom mode. Use the CIDR range 10.0.0.0/9. Create the necessary subnets, and then peer them via network peering.
- C. Create the Distribution VPC in custom mode. Use the CIDR range 10.128.0.0/9. Create the necessary subnets, and then peer them via network peering.
- D. Rename the default VPC as "Distribution" and peer it via network peering.

Correct Answer: *B*
Reference:
https://cloud.google.com/vpc/docs/using-vpc

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Respuesta por mayor votación de la comunidad

B (100%)

Question #6*Topic 1*

You are using a third-party next-generation firewall to inspect traffic. You created a custom route of 0.0.0.0/0 to route egress traffic to the firewall. You want to allow your VPC instances without public IP addresses to access the BigQuery and Cloud Pub/Sub APIs, without sending the traffic through the firewall.
Which two actions should you take? (Choose two.)

- A. Turn on Private Google Access at the subnet level.
- B. Turn on Private Google Access at the VPC level.
- C. Turn on Private Services Access at the VPC level.
- D. Create a set of custom static routes to send traffic to the external IP addresses of Google APIs and services via the default internet gateway.
- E. Create a set of custom static routes to send traffic to the internal IP addresses of Google APIs and services via the default internet gateway.

Correct Answer: *CE*
Reference:
https://cloud.google.com/vpc/docs/private-access-options

Respuesta por mayor votación de la comunidad

AD (100%)

Question #7*Topic 1*

All the instances in your project are configured with the custom metadata enable-oslogin value set to FALSE and to block project-wide SSH keys. None of the instances are set with any SSH key, and no project-wide SSH keys have been configured. Firewall rules are set up to allow SSH sessions from any IP address range. You want to SSH into one instance.
What should you do?

- A. Open the Cloud Shell SSH into the instance using gcloud compute ssh.
- B. Set the custom metadata enable-oslogin to TRUE, and SSH into the instance using a third-party tool like putty or ssh.
- C. Generate a new SSH key pair. Verify the format of the private key and add it to the instance. SSH into the instance using a third-party tool like putty or ssh.
- D. Generate a new SSH key pair. Verify the format of the public key and add it to the project. SSH into the instance using a third-party tool like putty or ssh.

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Correct Answer: *B*
Reference:
https://cloud.google.com/compute/docs/storing-retrieving-metadata

Respuesta por mayor votación de la comunidad

A (64%)

B (27%)

9%

Question #8*Topic 1*

You work for a university that is migrating to GCP.
These are the cloud requirements:
"¢ On-premises connectivity with 10 Gbps
"¢ Lowest latency access to the cloud
"¢ Centralized Networking Administration Team
New departments are asking for on-premises connectivity to their projects. You want to deploy the most cost-efficient interconnect solution for connecting the campus to Google Cloud.
What should you do?

- A. Use Shared VPC, and deploy the VLAN attachments and Interconnect in the host project.
- B. Use Shared VPC, and deploy the VLAN attachments in the service projects. Connect the VLAN attachment to the Shared VPC's host project.
- C. Use standalone projects, and deploy the VLAN attachments in the individual projects. Connect the VLAN attachment to the standalone projects' Interconnects.
- D. Use standalone projects and deploy the VLAN attachments and Interconnects in each of the individual projects.

Correct Answer: *A*

Respuesta por mayor votación de la comunidad

A (100%)

Question #9*Topic 1*

You have deployed a new internal application that provides HTTP and TFTP services to on-premises hosts. You want to be able to distribute traffic across multiple
Compute Engine instances, but need to ensure that clients are sticky to a particular instance across both services.
Which session affinity should you choose?

- A. None
- B. Client IP

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