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QUESTION 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
- C. Client IP and protocol
- D. Client IP, port and protocol

Correct Answer: B

QUESTION 2

Your organization uses a Shared VPC architecture with a host project and three service projects. You have Compute Engine instances that reside in the service projects. You have critical workloads in your on-premises data center. You need to ensure that the Google Cloud instances can resolve on-premises hostnames via the Dedicated Interconnect you deployed to establish hybrid connectivity. What should you do?

- A. Create a Cloud DNS private forwarding zone in the host project of the Shared VPC that forwards the private zone to the on-premises DNS servers. In your Cloud Router, add a custom route advertisement for the IP 35.199.192.0/19 to the on-premises environment.
- B. Create a Cloud DNS private forwarding zone in the host project of the Shared VPC that forwards the Private zone to the on-premises DNS servers. In your Cloud Router, add a custom route advertisement for the IP 169.254 169.254 to the on-premises environment.
- C. Configure a Cloud DNS private zone in the host project of the Shared VPC. Set up DNS forwarding to your Google Cloud private zone on your on-premises DNS servers to point to the inbound forwarder IP address in your host project. In your Cloud Router, add a custom route advertisement for the IP 169.254 169 254 to the on-premises environment.
- D. Configure a Cloud DNS private zone in the host project of the Shared VPC. Set up DNS forwarding to your Google Cloud private zone on your on-premises DNS servers to point to the inbound forwarder IP address in your host project. Configure a DNS policy in the Shared VPC to allow inbound query forwarding with your on-premises DNS server as the alternative DNS server.

Correct Answer: D

QUESTION 3

You are designing a hub-and-spoke network architecture for your company's cloud-based environment. You need to make sure that all spokes are peered with the hub. The spokes must use the hub's virtual appliance for internet access.



The virtual appliance is configured in high-availability mode with two instances using an internal load balancer with IP address 10.0.0.5. What should you do?

- A. Create a default route in the hub VPC that points to IP address 10.0.0.5. Delete the default internet gateway route in the hub VPC, and create a new higher-priority route that is tagged only to the appliances with a next hop of the default internet gateway. Export the custom routes in the hub. Import the custom routes in the spokes.
- B. Create a default route in the hub VPC that points to IP address 10.0.0.5. Delete the default internet gateway route in the hub VPC, and create a new higher-priority route that is tagged only to the appliances with a next hop of the default internet gateway. Export the custom routes in the hub. Import the custom routes in the spokes. Delete the default internet gateway route of the spokes.
- C. Create two default routes in the hub VPC that point to the next hop instances of the virtual appliances. Delete the default internet gateway route in the hub VPC, and create a new higher-priority route that is tagged only to the appliances with a next hop of the default internet gateway. Export the custom routes in the hub. Import the custom routes in the spokes.
- D. Create a default route in the hub VPC that points to IP address 10.0.0.5. Delete the default internet gateway route in the hub VPC, and create a new higher-priority route that is tagged only to the appliances with a next hop of the default internet gateway. Create a new route in the spoke VPC that points to IP address 10.0.0.5.

Correct Answer: B

QUESTION 4

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: AD

<https://cloud.google.com/vpc/docs/private-access-options#pga> Private Google Access VM instances that only have internal IP addresses (no external IP addresses) can use Private Google Access. They can reach the _external IP addresses_ of Google APIs and services.

QUESTION 5

You have ordered Dedicated Interconnect in the GCP Console and need to give the Letter of Authorization/Connecting Facility Assignment (LOA-CFA) to your cross-connect provider to complete the physical connection.



Which two actions can accomplish this? (Choose two.)

- A. Open a Cloud Support ticket under the Cloud Interconnect category.
- B. Download the LOA-CFA from the Hybrid Connectivity section of the GCP Console.
- C. Run `gcloud compute interconnects describe` .
- D. Check the email for the account of the NOC contact that you specified during the ordering process.
- E. Contact your cross-connect provider and inform them that Google automatically sent the LOA/CFA to them via email, and to complete the connection.

Correct Answer: DE

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/dedicated/retrieving-loas>

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