

Exam Questions Professional-Cloud-Network-Engineer

Google Cloud Certified - Professional Cloud Network Engineer

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NEW QUESTION 1

You have a Cloud Storage bucket in Google Cloud project XYZ. The bucket contains sensitive data. You need to design a solution to ensure that only instances belonging to VPCs under project XYZ can access the data stored in this Cloud Storage bucket. What should you do?

- A. Configure Private Google Access to privately access the Cloud Storage service using private IP addresses.
- B. Configure a VPC Service Controls perimeter around project XYZ, and include storage.googleapis.com as a restricted service in the service perimeter.
- C. Configure Cloud Storage with projectPrivate Access Control List (ACL) that gives permission to the project team based on their roles.
- D. Configure Private Service Connect to privately access Cloud Storage from all VPCs under project XYZ.

Answer: C

NEW QUESTION 2

Your company just completed the acquisition of Altostrat (a current GCP customer). Each company has a separate organization in GCP and has implemented a custom DNS solution. Each organization will retain its current domain and host names until after a full transition and architectural review is done in one year. These are the assumptions for both GCP environments.

- Each organization has enabled full connectivity between all of its projects by using Shared VPC.
- Both organizations strictly use the 10.0.0.0/8 address space for their instances, except for bastion hosts (for accessing the instances) and load balancers for serving web traffic.
- There are no prefix overlaps between the two organizations.
- Both organizations already have firewall rules that allow all inbound and outbound traffic from the 10.0.0.0/8 address space.
- Neither organization has Interconnects to their on-premises environment.

You want to integrate networking and DNS infrastructure of both organizations as quickly as possible and with minimal downtime.

Which two steps should you take? (Choose two.)

- A. Provision Cloud Interconnect to connect both organizations together.
- B. Set up some variant of DNS forwarding and zone transfers in each organization.
- C. Connect VPCs in both organizations using Cloud VPN together with Cloud Router.
- D. Use Cloud DNS to create A records of all VMs and resources across all projects in both organizations.
- E. Create a third organization with a new host project, and attach all projects from your company and Altostrat to it using shared VPC.

Answer: BC

Explanation:

<https://cloud.google.com/dns/docs/best-practices>

NEW QUESTION 3

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 <interconnect>`.
- 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.

Answer: DE

Explanation:

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

NEW QUESTION 4

You just finished your company's migration to Google Cloud and configured an architecture with 3 Virtual Private Cloud (VPC) networks: one for Sales, one for Finance, and one for Engineering. Every VPC contains over 100 Compute Engine instances, and now developers using instances in the Sales VPC and the Finance VPC require private connectivity between each other. You need to allow communication between Sales and Finance without compromising performance or security. What should you do?

- A. Configure an HA VPN gateway between the Finance VPC and the Sales VPC.
- B. Configure the instances that require communication between each other with an external IP address.
- C. Create a VPC Network Peering connection between the Finance VPC and the Sales VPC.
- D. Configure Cloud NAT and a Cloud Router in the Sales and Finance VPCs.

Answer: C

NEW QUESTION 5

You need to enable Private Google Access for use by some subnets within your Virtual Private Cloud (VPC). Your security team set up the VPC to send all internet-bound traffic back to the on-premises data center for inspection before egressing to the internet, and is also implementing VPC Service Controls in the environment for API-level security control. You have already enabled the subnets for Private Google Access. What configuration changes should you make to enable Private Google Access while adhering to your security team's requirements?

- A. Create a private DNS zone with a CNAME record for *.googleapis.com to restricted.googleapis.com, with an A record pointing to Google's restricted API address range. Create a custom route that points Google's restricted API address range to the default internet gateway as the next hop.
- B. Create a private DNS zone with a CNAME record for *.googleapis.com to restricted.googleapis.com, with an A record pointing to Google's restricted API address range. Change the custom route that points the default route (0/0) to the default internet gateway as the next hop.
- C. Create a private DNS zone with a CNAME record for *.googleapis.com to private.googleapis.com, with an A record pointing to Google's private API address range. Change the custom route that points the default route (0/0) to the default internet gateway as the next hop.
- D. Create a private DNS zone with a CNAME record for *.googleapis.com to private.googleapis.com, with an A record pointing to Google's private API address range.

range. Create a custom route that points Google's private API address range to the default internet gateway as the next hop.

Answer: C

NEW QUESTION 6

Your organization has Compute Engine instances in us-east1, us-west2, and us-central1. Your organization also has an existing Cloud Interconnect physical connection in the East Coast of the United States with a single VLAN attachment and Cloud Router in us-east1. You need to provide a design with high availability and ensure that if a region goes down, you still have access to all your other Virtual Private Cloud (VPC) subnets. You need to accomplish this in the most cost-effective manner possible. What should you do?

- A. Configure your VPC routing in regional mode. Add an additional Cloud Interconnect VLAN attachment in the us-east1 region, and configure a Cloud Router in us-east1.
- B. Configure your VPC routing in global mode. Add an additional Cloud Interconnect VLAN attachment in the us-east1 region, and configure a Cloud Router in us-east1.
- C. Configure your VPC routing in global mode. Add an additional Cloud Interconnect VLAN attachment in the us-west2 region, and configure a Cloud Router in us-west2.
- D. Configure your VPC routing in regional mode. Add additional Cloud Interconnect VLAN attachments in the us-west2 and us-central1 regions, and configure Cloud Routers in us-west2 and us-central1.

Answer: B

NEW QUESTION 7

You are deploying a global external TCP load balancing solution and want to preserve the source IP address of the original layer 3 payload. Which type of load balancer should you use?

- A. HTTP(S) load balancer
- B. Network load balancer
- C. Internal load balancer
- D. TCP/SSL proxy load balancer

Answer: D

Explanation:

By default TCP/SSL proxy load balancer original client IP address and port information is not preserved, but it can be preserved using the PROXY protocol:

<https://cloud.google.com/load-balancing/docs/tcp#target-proxies>

<https://medium.com/google-cloud/preserving-client-ips-through-google-clouds-global-tcp-and-ssl-proxy-load-ba>

NEW QUESTION 8

You are designing a new global application using Compute Engine instances that will be exposed by a global HTTP(S) load balancer. You need to secure your application from distributed denial-of-service and application layer (layer 7) attacks. What should you do?

- A. Configure VPC Service Controls and create a secure perimeter
- B. Define fine-grained perimeter controls and enforce that security posture across your Google Cloud services and projects.
- C. Configure a Google Cloud Armor security policy in your project, and attach it to the backend service to secure the application.
- D. Configure VPC firewall rules to protect the Compute Engine instances against distributed denial-of-service attacks.
- E. Configure hierarchical firewall rules for the global HTTP(S) load balancer public IP address at the organization level.

Answer: C

NEW QUESTION 9

Your company has provisioned 2000 virtual machines (VMs) in the private subnet of your Virtual Private Cloud (VPC) in the us-east1 region. You need to configure each VM to have a minimum of 128 TCP connections to a public repository so that users can download software updates and packages over the internet. You need to implement a Cloud NAT gateway so that the VMs are able to perform outbound NAT to the internet. You must ensure that all VMs can simultaneously connect to the public repository and download software updates and packages. Which two methods can you use to accomplish this? (Choose two.)

- A. Configure the NAT gateway in manual allocation mode, allocate 2 NAT IP addresses, and update the minimum number of ports per VM to 256.
- B. Create a second Cloud NAT gateway with the default minimum number of ports configured per VM to 64.
- C. Use the default Cloud NAT gateway's NAT proxy to dynamically scale using a single NAT IP address.
- D. Use the default Cloud NAT gateway to automatically scale to the required number of NAT IP addresses, and update the minimum number of ports per VM to 128.
- E. Configure the NAT gateway in manual allocation mode, allocate 4 NAT IP addresses, and update the minimum number of ports per VM to 128.

Answer: AB

NEW QUESTION 10

Your organization's security policy requires that all internet-bound traffic return to your on-premises data center through HA VPN tunnels before egressing to the internet, while allowing virtual machines (VMs) to leverage private Google APIs using private virtual IP addresses 199.36.153.4/30. You need to configure the routes to enable these traffic flows. What should you do?

- A. Configure a custom route 0.0.0.0/0 with a priority of 500 whose next hop is the default internet gateway. Configure another custom route 199.36.153.4/30 with priority of 1000 whose next hop is the VPN tunnel back to the on-premises data center.
- B. Configure a custom route 0.0.0.0/0 with a priority of 1000 whose next hop is the internet gateway. Configure another custom route 199.36.153.4/30 with a priority of 500 whose next hop is the VPN tunnel back to the on-premises data center.
- C. Announce a 0.0.0.0/0 route from your on-premises router with a MED of 1000. Configure a custom route 199.36.153.4/30 with a priority of 1000 whose next hop is the default internet gateway.
- D. Announce a 0.0.0.0/0 route from your on-premises router with a MED of 500. Configure another custom route 199.36.153.4/30 with a priority of 1000 whose next hop is the VPN tunnel back to the on-premises data center.

Answer: A

NEW QUESTION 10

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.

Answer: C

Explanation:

<https://cloud.google.com/load-balancing/docs/https/setting-up-https#sendtraffic>

NEW QUESTION 15

You want to use Cloud Interconnect to connect your on-premises network to a GCP VPC. You cannot meet Google at one of its point-of-presence (POP) locations, and your on-premises router cannot run a Border Gateway Protocol (BGP) configuration. Which connectivity model should you use?

- A. Direct Peering
- B. Dedicated Interconnect
- C. Partner Interconnect with a layer 2 partner
- D. Partner Interconnect with a layer 3 partner

Answer: D

Explanation:

<https://cloud.google.com/network-connectivity/docs/interconnect/concepts/partner-overview>

For Layer 3 connections, your service provider establishes a BGP session between your Cloud Routers and their edge routers for each VLAN attachment. You don't need to configure BGP on your on-premises router. Google and your service provider automatically set the correct configurations.

<https://cloud.google.com/network-connectivity/docs/interconnect/concepts/partner-overview#connectivity-type>

NEW QUESTION 18

You want to deploy a VPN Gateway to connect your on-premises network to GCP. You are using a non BGP-capable on-premises VPN device. You want to minimize downtime and operational overhead when your network grows. The device supports only IKEv2, and you want to follow Google-recommended practices. What should you do?

- A. • Create a Cloud VPN instance. • Create a policy-based VPN tunnel per subnet. • Configure the appropriate local and remote traffic selectors to match your local and remote networks. • Create the appropriate static routes.
- B. • Create a Cloud VPN instance. • Create a policy-based VPN tunnel. • Configure the appropriate local and remote traffic selectors to match your local and remote networks. • Configure the appropriate static routes.
- C. • Create a Cloud VPN instance. • Create a route-based VPN tunnel. • Configure the appropriate local and remote traffic selectors to match your local and remote networks. • Configure the appropriate static routes.
- D. • Create a Cloud VPN instance. • Create a route-based VPN tunnel. • Configure the appropriate local and remote traffic selectors to 0.0.0.0/0. • Configure the appropriate static routes.

Answer: B

Explanation:

https://cloud.google.com/network-connectivity/docs/vpn/how-to/creating-static-vpns#creating_a_gateway_and_

NEW QUESTION 19

In your Google Cloud organization, you have two folders: Dev and Prod. You want a scalable and consistent way to enforce the following firewall rules for all virtual machines (VMs) with minimal cost:

Port 8080 should always be open for VMs in the projects in the Dev folder.

Any traffic to port 8080 should be denied for all VMs in your projects in the Prod folder. What should you do?

- A. Create and associate a firewall policy with the Dev folder with a rule to open port 8080. Create and associate a firewall policy with the Prod folder with a rule to deny traffic to port 8080.
- B. Create a Shared VPC for the Dev projects and a Shared VPC for the Prod project
- C. Create a VPC firewall rule to open port 8080 in the Shared VPC for Dev
- D. Create a firewall rule to deny traffic to port 8080 in the Shared VPC for Prod
- E. Deploy VMs to those Shared VPCs.
- F. In all VPCs for the Dev projects, create a VPC firewall rule to open port 8080. In all VPCs for the Prod projects, create a VPC firewall rule to deny traffic to port 8080.
- G. Use Anthos Config Connector to enforce a security policy to open port 8080 on the Dev VMs and deny traffic to port 8080 on the Prod VMs.

Answer: A

NEW QUESTION 24

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

Answer: C

Explanation:

<https://cloud.google.com/sdk/gcloud/reference/dns/record-sets/import>

NEW QUESTION 26

Your on-premises data center has 2 routers connected to your GCP through a VPN on each router. All applications are working correctly; however, all of the traffic is passing across a single VPN instead of being load-balanced across the 2 connections as desired.

During troubleshooting you find:

- Each on-premises router is configured with the same ASN.
- Each on-premises router is configured with the same routes and priorities.
- Both on-premises routers are configured with a VPN connected to a single Cloud Router.
- The VPN logs have no-proposal-chosen lines when the VPNs are connecting.
- BGP session is not established between one on-premises router and the Cloud Router. What is the most likely cause of this problem?

- A. One of the VPN sessions is configured incorrectly.
- B. A firewall is blocking the traffic across the second VPN connection.
- C. You do not have a load balancer to load-balance the network traffic.
- D. BGP sessions are not established between both on-premises routers and the Cloud Router.

Answer: A

Explanation:

If the VPN logs show a no-proposal-chosen error, this error indicates that Cloud VPN and your peer VPN gateway were unable to agree on a set of ciphers. For IKEv1, the set of ciphers must match exactly. For IKEv2, there must be at least one common cipher proposed by each gateway. Make sure that you use supported ciphers to configure your peer VPN gateway.

<https://cloud.google.com/network-connectivity/docs/vpn/support/troubleshooting#:~:text=If%20the%20VPN%2>

NEW QUESTION 29

Your company offers a popular gaming service. Your instances are deployed with private IP addresses, and external access is granted through a global load balancer. You believe you have identified a potential malicious actor, but aren't certain you have the correct client IP address. You want to identify this actor while minimizing disruption to your legitimate users.

What should you do?

- A. Create a Cloud Armor Policy rule that denies traffic and review necessary logs.
- B. Create a Cloud Armor Policy rule that denies traffic, enable preview mode, and review necessary logs.
- C. Create a VPC Firewall rule that denies traffic, enable logging and set enforcement to disabled, and review necessary logs.
- D. Create a VPC Firewall rule that denies traffic, enable logging and set enforcement to enabled, and review necessary logs.

Answer: B

Explanation:

https://cloud.google.com/armor/docs/security-policy-concepts#preview_mode

NEW QUESTION 32

You are configuring a new HTTP application that will be exposed externally behind both IPv4 and IPv6 virtual IP addresses, using ports 80, 8080, and 443. You will have backends in two regions: us-west1 and

us-east1. You want to serve the content with the lowest-possible latency while ensuring high availability and autoscaling, and create native content-based rules using the HTTP hostname and request path. The IP addresses of the clients that connect to the load balancer need to be visible to the backends. Which configuration should you use?

- A. Use Network Load Balancing
- B. Use TCP Proxy Load Balancing with PROXY protocol enabled
- C. Use External HTTP(S) Load Balancing with URL Maps and custom headers
- D. Use External HTTP(S) Load Balancing with URL Maps and an X-Forwarded-For header

Answer: D

NEW QUESTION 37

You are configuring your Google Cloud environment to connect to your on-premises network. Your configuration must be able to reach Cloud Storage APIs and your Google Kubernetes Engine nodes across your private Cloud Interconnect network. You have already configured a Cloud Router with your Interconnect VLAN attachments. You now need to set up the appropriate router advertisement configuration on the Cloud Router. What should you do?

- A. Configure the route advertisement to the default setting.
- B. On the on-premises router, configure a static route for the storage API virtual IP address which points to the Cloud Router's link-local IP address.
- C. Configure the route advertisement to the custom setting, and manually add prefix 199.36.153.8/30 to the list of advertisement
- D. Leave all other options as their default settings.
- E. Configure the route advertisement to the custom setting, and manually add prefix 199.36.153.8/30 to the list of advertisement
- F. Advertise all visible subnets to the Cloud Router.

Answer: C

NEW QUESTION 39

Your company is working with a partner to provide a solution for a customer. Both your company and the partner organization are using GCP. There are applications in the partner's network that need access to some resources in your company's VPC. There is no CIDR overlap between the VPCs. Which two solutions can you implement to achieve the desired results without compromising the security? (Choose two.)

- A. VPC peering
- B. Shared VPC
- C. Cloud VPN
- D. Dedicated Interconnect
- E. Cloud NAT

Answer: AC

Explanation:

Google Cloud VPC Network Peering allows internal IP address connectivity across two Virtual Private Cloud (VPC) networks regardless of whether they belong to the same project or the same organization.

NEW QUESTION 42

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
- D. Verify the format of the private key and add it to the instance
- E. SSH into the instance using a third-party tool like putty or ssh.
- F. Generate a new SSH key pair
- G. Verify the format of the public key and add it to the project
- H. SSH into the instance using a third-party tool like putty or ssh.

Answer: A

NEW QUESTION 46

Your company has a single Virtual Private Cloud (VPC) network deployed in Google Cloud with access from your on-premises network using Cloud Interconnect. You must configure access only to Google APIs and services that are supported by VPC Service Controls through hybrid connectivity with a service level agreement (SLA) in place. What should you do?

- A. Configure the existing Cloud Routers to advertise the Google API's public virtual IP addresses.
- B. Use Private Google Access for on-premises hosts with restricted.googleapis.com virtual IP addresses.
- C. Configure the existing Cloud Routers to advertise a default route, and use Cloud NAT to translate traffic from your on-premises network.
- D. Add Direct Peering links, and use them for connectivity to Google APIs that use public virtual IP addresses.

Answer: B

NEW QUESTION 51

You are responsible for enabling Private Google Access for the virtual machine (VM) instances in your Virtual Private Cloud (VPC) to access Google APIs. All VM instances have only a private IP address and need to access Cloud Storage. You need to ensure that all VM traffic is routed back to your on-premises data center for traffic scrubbing via your existing Cloud Interconnect connection. However, VM traffic to Google APIs should remain in the VPC. What should you do?

- A. Delete the default route in your VPC. Create a private Cloud DNS zone for googleapis.com, create a CNAME for *.googleapis.com to restricted.googleapis.com, and create an A record for restricted.googleapis.com that resolves to the addresses in 199.36.153.4/30. Create a static route in your VPC for the range 199.36.153.4/30 with the default internet gateway as the next hop.
- B. Delete the default route in your VPC and configure your on-premises router to advertise 0.0.0.0/0 via Border Gateway Protocol (BGP). Create a public Cloud DNS zone with a CNAME for *.google.com to private.googleapis.com, create a CNAME for * googleapis.com to private.googleapis.com, and create an A record for Private.googleapis.com that resolves to the addresses in 199.36.153.8/30. Create a static route in your VPC for the range 199.36.153.8/30 with the default internet gateway as the next hop.
- C. Configure your on-premises router to advertise 0.0.0.0/0 via Border Gateway Protocol (BGP) with a lower priority (MED) than the default VPC route. Create a private Cloud DNS zone for googleapis.com, create a CNAME for * googleapis.com to private.googleapis.com, and create an A record for private.googleapis.com that resolves to the addresses in 199.36.153.8/30. Create a static route in your VPC for the range 199.36.153.8/30 with the default internet gateway as the next hop.
- D. Delete the default route in your VPC and configure your on-premises router to advertise 0.0.0.0/0 via Border Gateway Protocol (BGP). Create a private Cloud DNS zone for googleapis.com, create a CNAME for * googleapis.com to Private.googleapis.com, and create an A record for private.googleapis.com that resolves to the addresses in 199.36.153.8/30. Create a static route in your VPC for the range 199.36.153.8/30 with the default internet gateway as the next hop.

Answer: C

NEW QUESTION 52

You decide to set up Cloud NAT. After completing the configuration, you find that one of your instances is not using the Cloud NAT for outbound NAT. What is the most likely cause of this problem?

- A. The instance has been configured with multiple interfaces.
- B. An external IP address has been configured on the instance.
- C. You have created static routes that use RFC1918 ranges.
- D. The instance is accessible by a load balancer external IP address.

Answer: B

NEW QUESTION 57

You want to configure a NAT to perform address translation between your on-premises network blocks and GCP. Which NAT solution should you use?

- A. Cloud NAT
- B. An instance with IP forwarding enabled
- C. An instance configured with iptables DNAT rules
- D. An instance configured with iptables SNAT rules

Answer: A

NEW QUESTION 60

You want to apply a new Cloud Armor policy to an application that is deployed in Google Kubernetes Engine (GKE). You want to find out which target to use for your Cloud Armor policy. Which GKE resource should you use?

- A. GKE Node
- B. GKE Pod
- C. GKE Cluster
- D. GKE Ingress

Answer: D

Explanation:

Cloud Armour is applied at load balancers Configuring Google Cloud Armor through Ingress. <https://cloud.google.com/kubernetes-engine/docs/how-to/ingress-features> Security policy features Google Cloud Armor security policies have the following core features: You can optionally use the QUIC protocol with load balancers that use Google Cloud Armor. You can use Google Cloud Armor with external HTTP(S) load balancers that are in either Premium Tier or Standard Tier. You can use security policies with GKE and the default Ingress controller.

NEW QUESTION 61

You want to create a service in GCP using IPv6. What should you do?

- A. Create the instance with the designated IPv6 address.
- B. Configure a TCP Proxy with the designated IPv6 address.
- C. Configure a global load balancer with the designated IPv6 address.
- D. Configure an internal load balancer with the designated IPv6 address.

Answer: C

Explanation:

<https://cloud.google.com/load-balancing/docs/load-balancing-overview> mentions to use global load balancer for IPv6 termination.

NEW QUESTION 64

You are configuring load balancing for a standard three-tier (web, application, and database) application. You have configured an external HTTP(S) load balancer for the web servers. You need to configure load balancing for the application tier of servers. What should you do?

- A. Configure a forwarding rule on the existing load balancer for the application tier.
- B. Configure equal cost multi-path routing on the application servers.
- C. Configure a new internal HTTP(S) load balancer for the application tier.
- D. Configure a URL map on the existing load balancer to route traffic to the application tier.

Answer: A

NEW QUESTION 67

You need to define an address plan for a future new GKE cluster in your VPC. This will be a VPC native cluster, and the default Pod IP range allocation will be used. You must pre-provision all the needed VPC subnets and their respective IP address ranges before cluster creation. The cluster will initially have a single node, but it will be scaled to a maximum of three nodes if necessary. You want to allocate the minimum number of Pod IP addresses. Which subnet mask should you use for the Pod IP address range?

- A. /21
- B. /22
- C. /23
- D. /25

Answer: B

Explanation:

https://cloud.google.com/kubernetes-engine/docs/how-to/alias-ips#cluster_sizing_secondary_range_pods

NEW QUESTION 69

Your company has 10 separate Virtual Private Cloud (VPC) networks, with one VPC per project in a single region in Google Cloud. Your security team requires each VPC network to have private connectivity to the main on-premises location via a Partner Interconnect connection in the same region. To optimize cost and operations, the same connectivity must be shared with all projects. You must ensure that all traffic between different projects, on-premises locations, and the internet can be inspected using the same third-party appliances. What should you do?

- A. Configure the third-party appliances with multiple interfaces and specific Partner Interconnect VLAN attachments per projec
- B. Create the relevant routes on the third-party appliances and VPC networks.

- C. Configure the third-party appliances with multiple interfaces, with each interface connected to a separate VPC network
- D. Create separate VPC networks for on-premises and internet connectivity
- E. Create the relevant routes on the third-party appliances and VPC networks.
- F. Consolidate all existing projects' subnetworks into a single VPC
- G. Create separate VPC networks for on-premises and internet connectivity
- H. Configure the third-party appliances with multiple interfaces, with each interface connected to a separate VPC network
- I. Create the relevant routes on the third-party appliances and VPC networks.
- J. Configure the third-party appliances with multiple interfaces
- K. Create a hub VPC network for all projects, and create separate VPC networks for on-premises and internet connectivity
- L. Create the relevant routes on the third-party appliances and VPC network
- M. Use VPC Network Peering to connect all projects' VPC networks to the hub VPC
- N. Export custom routes from the hub VPC and import on all projects' VPC networks.

Answer: D

NEW QUESTION 73

You are designing a Partner Interconnect hybrid cloud connectivity solution with geo-redundancy across two metropolitan areas. You want to follow Google-recommended practices to set up the following region/metro pairs:

(region 1/metro 1)

(region 2/metro 2) What should you do?

- A. Create a Cloud Router in region 1 with two VLAN attachments connected to metro1-zone1-x. Create a Cloud Router in region 2 with two VLAN attachments connected to metro1-zone2-x.
- B. Create a Cloud Router in region 1 with one VLAN attachment connected to metro1-zone1-x. Create a Cloud Router in region 2 with two VLAN attachments connected to metro2-zone2-x.
- C. Create a Cloud Router in region 1 with one VLAN attachment connected to metro1-zone2-x. Create a Cloud Router in region 2 with one VLAN attachment connected to metro2-zone2-x.
- D. Create a Cloud Router in region 1 with one VLAN attachment connected to metro1-zone1-x and one VLAN attachment connected to metro1-zone2-x. Create a Cloud Router in region 2 with one VLAN attachment connected to metro2-zone1-x and one VLAN attachment to metro2-zone2-x.

Answer: B

NEW QUESTION 75

You are the network administrator responsible for hybrid connectivity at your organization. Your developer team wants to use Cloud SQL in the us-west1 region in your Shared VPC. You configured a Dedicated Interconnect connection and a Cloud Router in us-west1, and the connectivity between your Shared VPC and on-premises data center is working as expected. You just created the private services access connection required for Cloud SQL using the reserved IP address range and default settings. However, your developers cannot access the Cloud SQL instance from on-premises. You want to resolve the issue. What should you do?

- A. Modify the VPC Network Peering connection used for Cloud SQL, and enable the import and export of routes. Create a custom route advertisement in your Cloud Router to advertise the Cloud SQL IP address range.
- B. Change the VPC routing mode to global. Create a custom route advertisement in your Cloud Router to advertise the Cloud SQL IP address range.
- C. Create an additional Cloud Router in us-west2. Create a new Border Gateway Protocol (BGP) peering connection to your on-premises data center
- D. Modify the VPC Network Peering connection used for Cloud SQL, and enable the import and export of routes.
- E. Change the VPC routing mode to global. Modify the VPC Network Peering connection used for Cloud SQL, and enable the import and export of routes.

Answer: A

NEW QUESTION 80

Your company's security team tends to use managed services when possible. You need to build a dashboard to show the number of deny hits that occur against configured firewall rules without increasing operational overhead. What should you do?

- A. Configure Firewall Rules Logging
- B. Use Firewall Insights to display the number of hits.
- C. Configure Firewall Rules Logging
- D. View the logs in Cloud Logging, and create a custom dashboard in Cloud Monitoring to display the number of hits.
- E. Configure a firewall appliance from the Google Cloud Marketplace
- F. Route all traffic through this appliance, and apply the firewall rules at this layer
- G. Use the firewall appliance to display the number of hits.
- H. Configure Packet Mirroring on the VPC
- I. Apply a filter with an IP address list of the Denied Firewall rule
- J. Configure an intrusion detection system (IDS) appliance as the receiver to display the number of hits.

Answer: A

NEW QUESTION 81

You are configuring a new instance of Cloud Router in your Organization's Google Cloud environment to allow connection across a new Dedicated Interconnect to your data center. Sales, Marketing, and IT each have a service project attached to the Organization's host project.

Where should you create the Cloud Router instance?

- A. VPC network in all projects
- B. VPC network in the IT Project
- C. VPC network in the Host Project
- D. VPC network in the Sales, Marketing, and IT Projects

Answer: C

NEW QUESTION 84

You are the Organization Admin for your company. One of your engineers is responsible for setting up multiple host projects across multiple folders and sharing

subnets with service projects. You need to enable the engineer's Identity and Access Management (IAM) configuration to complete their task in the fewest number of steps. What should you do?

- A. Set up the engineer with Compute Shared VPC Admin IAM role at the folder level.
- B. Set up the engineer with Compute Shared VPC Admin IAM role at the organization level.
- C. Set up the engineer with Compute Shared VPC Admin IAM role and Project IAM Admin role at the folder level.
- D. Set up the engineer with Compute Shared VPC Admin IAM role and Project IAM Admin role at the organization level.

Answer: B

NEW QUESTION 88

You need to create a GKE cluster in an existing VPC that is accessible from on-premises. You must meet the following requirements:

- IP ranges for pods and services must be as small as possible.
- The nodes and the master must not be reachable from the internet.
- You must be able to use kubectl commands from on-premises subnets to manage the cluster.

How should you create the GKE cluster?

- A. • Create a private cluster that uses VPC advanced routes. • Set the pod and service ranges as /24. • Set up a network proxy to access the master.
- B. • Create a VPC-native GKE cluster using GKE-managed IP ranges. • Set the pod IP range as /21 and service IP range as /24. • Set up a network proxy to access the master.
- C. • Create a VPC-native GKE cluster using user-managed IP ranges. • Enable a GKE cluster network policy, set the pod and service ranges as /24. • Set up a network proxy to access the master. • Enable master authorized networks.
- D. • Create a VPC-native GKE cluster using user-managed IP ranges. • Enable privateEndpoint on the cluster master. • Set the pod and service ranges as /24. • Set up a network proxy to access the master. • Enable master authorized networks.

Answer: D

Explanation:

Creating GKE private clusters with network proxies for controller access When you create a GKE private cluster with a private cluster controller endpoint, the cluster's controller node is inaccessible from the public internet, but it needs to be accessible for administration. By default, clusters can access the controller through its private endpoint, and authorized networks can be defined within the VPC network. To access the controller from on-premises or another VPC network, however, requires additional steps. This is because the VPC network that hosts the controller is owned by Google and cannot be accessed from resources connected through another VPC network peering connection, Cloud VPN or Cloud Interconnect. <https://cloud.google.com/solutions/creating-kubernetes-engine-private-clusters-with-net-proxies>

NEW QUESTION 91

Your company's security team wants to limit the type of inbound traffic that can reach your web servers to protect against security threats. You need to configure the firewall rules on the web servers within your Virtual Private Cloud (VPC) to handle HTTP and HTTPS web traffic for TCP only. What should you do?

- A. Create an allow on match ingress firewall rule with the target tag "web-server" to allow all IP addresses for TCP port 80.
- B. Create an allow on match egress firewall rule with the target tag "web-server" to allow all IP addresses for TCP port 80.
- C. Create an allow on match ingress firewall rule with the target tag "web-server" to allow all IP addresses for TCP ports 80 and 443.
- D. Create an allow on match egress firewall rule with the target tag "web-server" to allow web server IP addresses for TCP ports 60 and 443.

Answer: C

NEW QUESTION 94

Your on-premises data center has 2 routers connected to your Google Cloud environment through a VPN on each router. All applications are working correctly; however, all of the traffic is passing across a single VPN instead of being load-balanced across the 2 connections as desired.

During troubleshooting you find:

- Each on-premises router is configured with a unique ASN.
- Each on-premises router is configured with the same routes and priorities.
- Both on-premises routers are configured with a VPN connected to a single Cloud Router.
- BGP sessions are established between both on-premises routers and the Cloud Router.
- Only 1 of the on-premises router's routes are being added to the routing table. What is the most likely cause of this problem?

- A. The on-premises routers are configured with the same routes.
- B. A firewall is blocking the traffic across the second VPN connection.
- C. You do not have a load balancer to load-balance the network traffic.
- D. The ASNs being used on the on-premises routers are different.

Answer: D

Explanation:

<https://cloud.google.com/network-connectivity/docs/router/support/troubleshooting#ecmp>

NEW QUESTION 96

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