

Professional-Cloud-Network-Engineer Dumps

Google Cloud Certified - Professional Cloud Network Engineer

<https://www.certleader.com/Professional-Cloud-Network-Engineer-dumps.html>



NEW QUESTION 1

You built a web application with several containerized microservices. You want to run those microservices on Cloud Run. You must also ensure that the services are highly available to your customers with low latency. What should you do?

- A. Deploy the Cloud Run services to multiple availability zone
- B. Create a global TCP load balance
- C. Add the Cloud Run endpoints to its backend service.
- D. Deploy the Cloud Run services to multiple region
- E. Create serverless network endpoint groups (NEGs) that point to the service
- F. Create a global HTTPS load balancer, and attach the serverless NEGs as backend services of the load balancer.
- G. Deploy the Cloud Run services to multiple availability zone
- H. Create Cloud Endpoints that point to the service
- I. Create a global HTTPS load balancer, and attach the Cloud Endpoints to its backend
- J. Deploy the Cloud Run services to multiple region
- K. Configure a round-robin A record in Cloud DNS.

Answer: B

NEW QUESTION 2

You are designing a hybrid cloud environment. Your Google Cloud environment is interconnected with your on-premises network using HA VPN and Cloud Router in a central transit hub VPC. The Cloud Router is configured with the default settings. Your on-premises DNS server is located at 192.168.20.88. You need to ensure that your Compute Engine resources in multiple spoke VPCs can resolve on-premises private hostnames using the domain corp.altostrat.com while also resolving Google Cloud hostnames. You want to follow Google-recommended practices. What should you do?

- A. Create a private forwarding zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com that points to 192.168.20.88. Associate the zone with the hub VPC. Create a private peering zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com associated with the spoke VPCs, with the hub VPC as the target. Set a custom route advertisement on the Cloud Router for 35.199.192.0/19. Configure VPC peering in the spoke VPCs to peer with the hub VPC.
- B. Create a private forwarding zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com that points to 192.168.20.88. Associate the zone with the hub VPC.
- C. Create a private peering zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com associated with the spoke VPCs, with the hub VPC as the target. Set a custom route advertisement on the Cloud Router for 35.199.192.0/19.
- D. Create a private forwarding zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com that points to 192.168.20.88. Associate the zone with the hub VPC. Create a private peering zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com associated with the spoke VPCs, with the hub VPC as the target. Set a custom route advertisement on the Cloud Router for 35.199.192.0/19. Create a hub-and-spoke VPN deployment in each spoke VPC to connect back to the on-premises network directly.
- E. Create a private forwarding zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com that points to 192.168.20.88. Associate the zone with the hub VPC. Create a private peering zone in Cloud DNS for 'corp.altostrat.com' called corp-altostrat-com associated with the spoke VPCs, with the hub VPC as the target. Set a custom route advertisement on the Cloud Router for 35.199.192.0/19. Create a hub and spoke VPN deployment in each spoke VPC to connect back to the hub VPC.

Answer: A

NEW QUESTION 3

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 4

You are designing a new application that has backends internally exposed on port 800. The application will be exposed externally using both IPv4 and IPv6 via TCP on port 700. You want to ensure high availability for this application. What should you do?

- A. Create a network load balancer that used backend services containing one instance group with two instances.
- B. Create a network load balancer that uses a target pool backend with two instances.
- C. Create a TCP proxy that uses a zonal network endpoint group containing one instance.
- D. Create a TCP proxy that uses backend services containing an instance group with two instances.

Answer: D

NEW QUESTION 5

You have just deployed your infrastructure on Google Cloud. You now need to configure the DNS to meet the following requirements:
Your on-premises resources should resolve your Google Cloud zones. Your Google Cloud resources should resolve your on-premises zones.
You need the ability to resolve “.internal” zones provisioned by Google Cloud. What should you do?

- A. Configure an outbound server policy, and set your alternative name server to be your on-premises DNS resolve
- B. Configure your on-premises DNS resolver to forward Google Cloud zone queries to Google's public DNS 8.8.8.8.
- C. Configure both an inbound server policy and outbound DNS forwarding zones with the target as the on-premises DNS resolve
- D. Configure your on-premises DNS resolver to forward Google Cloud zone queries to Google Cloud's DNS resolver.
- E. Configure an outbound DNS server policy, and set your alternative name server to be your on-premises DNS resolve
- F. Configure your on-premises DNS resolver to forward Google Cloud zone queries to Google Cloud's DNS resolver.
- G. Configure Cloud DNS to DNS peer with your on-premises DNS resolve
- H. Configure your on-premises DNS resolver to forward Google Cloud zone queries to Google's public DNS 8.8.8.8.

Answer: A

NEW QUESTION 6

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 7

You create a Google Kubernetes Engine private cluster and want to use kubectl to get the status of the pods. In one of your instances you notice the master is not responding, even though the cluster is up and running.
What should you do to solve the problem?

- A. Assign a public IP address to the instance.
- B. Create a route to reach the Master, pointing to the default internet gateway.
- C. Create the appropriate firewall policy in the VPC to allow traffic from Master node IP address to the instance.
- D. Create the appropriate master authorized network entries to allow the instance to communicate to the master.

Answer: D

Explanation:

https://cloud.google.com/kubernetes-engine/docs/how-to/private-clusters#cant_reach_cluster <https://cloud.google.com/kubernetes-engine/docs/how-to/authorized-networks>

NEW QUESTION 8

You are responsible for configuring firewall policies for your company in Google Cloud. Your security team has a strict set of requirements that must be met to configure firewall rules.

Always allow Secure Shell (SSH) from your corporate IP address. Restrict SSH access from all other IP addresses.

There are multiple projects and VPCs in your Google Cloud organization. You need to ensure that other VPC firewall rules cannot bypass the security team's requirements. What should you do?

- A. Configure a hierarchical firewall policy to the organization node to allow TCP port 22 for your corporate IP address with priority 0. Configure a hierarchical firewall policy to the organization node to deny TCP port 22 for all IP addresses with priority 1.
- B. Configure a VPC firewall rule to allow TCP port 22 for your corporate IP address with priority 0. Configure a VPC firewall rule to deny TCP port 22 for all IP addresses with priority 1.
- C. Configure a VPC firewall rule to allow TCP port 22 for your corporate IP address with priority 1. Configure a VPC firewall rule to deny TCP port 22 for all IP addresses with priority 0.
- D. Configure a hierarchical firewall policy to the organization node to allow TCP port 22 for your corporate IP address with priority 1. Configure a hierarchical firewall policy to the organization node to deny TCP port 22 for all IP addresses with priority 0.

Answer: A

NEW QUESTION 9

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 10

You need to centralize the Identity and Access Management permissions and email distribution for the WebServices Team as efficiently as possible. What should you do?

- A. Create a Google Group for the WebServices Team.
- B. Create a G Suite Domain for the WebServices Team.
- C. Create a new Cloud Identity Domain for the WebServices Team.
- D. Create a new Custom Role for all members of the WebServices Team.

Answer: A

NEW QUESTION 10

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 15

You want to use Partner Interconnect to connect your on-premises network with your VPC. You already have an Interconnect partner. What should you first?

- A. Log in to your partner's portal and request the VLAN attachment there.
- B. Ask your Interconnect partner to provision a physical connection to Google.
- C. Create a Partner Interconnect type VLAN attachment in the GCP Console and retrieve the pairing key.
- D. Run `gcloud compute interconnect attachments partner update <attachment> / -- region <region>--admin-enabled`.

Answer: B

Explanation:

<https://cloud.google.com/network-connectivity/docs/interconnect/concepts/partner-overview?hl=En#provisionin> "To provision a Partner Interconnect connection with a service provider, you start by connecting your on-premises network to a supported service provider. Work with the service provider to establish connectivity.

NEW QUESTION 20

You have configured a service on Google Cloud that connects to an on-premises service via a Dedicated Interconnect. Users are reporting recent connectivity issues. You need to determine whether the traffic is being dropped because of firewall rules or a routing decision. What should you do?

- A. Use the Network Intelligence Center Connectivity Tests to test the connectivity between the VPC and the on-premises network.
- B. Use Network Intelligence Center Network Topology to check the traffic flow, and replay the traffic from the time period when the connectivity issue occurred.
- C. Configure VPC Flow Log
- D. Review the logs by filtering on the source and destination.
- E. Configure a Compute Engine instance on the same VPC as the service running on Google Cloud to run a traceroute targeted at the on-premises service.

Answer: B

NEW QUESTION 22

You have an application running on Compute Engine that uses BigQuery to generate some results that are stored in Cloud Storage. You want to ensure that none of the application instances have external IP addresses.

Which two methods can you use to accomplish this? (Choose two.)

- A. Enable Private Google Access on all the subnets.
- B. Enable Private Google Access on the VPC.
- C. Enable Private Services Access on the VPC.
- D. Create network peering between your VPC and BigQuery.
- E. Create a Cloud NAT, and route the application traffic via NAT gateway.

Answer: AE

Explanation:

<https://cloud.google.com/nat/docs/overview#interaction-pga> Specifications <https://cloud.google.com/vpc/docs/configure-private-google-access#specifications>

NEW QUESTION 24

You are maintaining a Shared VPC in a host project. Several departments within your company have infrastructure in different service projects attached to the Shared VPC and use Identity and Access Management (IAM) permissions to manage the cloud resources in those projects. VPC Network Peering is also set up between the Shared VPC and a common services VPC that is not in a service project. Several users are experiencing failed connectivity between certain instances in different Shared VPC service projects and between certain instances and the internet. You need to validate the network configuration to identify whether a misconfiguration is the root cause of the problem. What should you do?

- A. Review the VPC audit logs in Cloud Logging for the affected instances.
- B. Use Secure Shell (SSH) to connect to the affected Compute Engine instances, and run a series of PING tests to the other affected endpoints and the 8.8.8.8 IPv4 address.
- C. Run Connectivity Tests from Network Intelligence Center to check connectivity between the affected endpoints in your network and the internet.
- D. Enable VPC Flow Logs for all VPCs, and review the logs in Cloud Logging for the affected instances.

Answer: C

NEW QUESTION 26

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 onpremises data center.

Answer: A

NEW QUESTION 30

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.

Answer: D

NEW QUESTION 34

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 38

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 39

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 43

You work for a university that is migrating to Google Cloud.

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

Answer: A

NEW QUESTION 47

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

Answer: B

Explanation:

<https://cloud.google.com/vpc/docs/vpc#ip-ranges>

NEW QUESTION 51

You created a new VPC for your development team. You want to allow access to the resources in this VPC via SSH only.

How should you configure your firewall rules?

- A. Create two firewall rules: one to block all traffic with priority 0, and another to allow port 22 with priority 1000.
- B. Create two firewall rules: one to block all traffic with priority 65536, and another to allow port 3389 with priority 1000.
- C. Create a single firewall rule to allow port 22 with priority 1000.
- D. Create a single firewall rule to allow port 3389 with priority 1000.

Answer: C

NEW QUESTION 54

You have provisioned a Partner Interconnect connection to extend connectivity from your on-premises data center to Google Cloud. You need to configure a Cloud Router and create a VLAN attachment to connect to resources inside your VPC. You need to configure an Autonomous System number (ASN) to use with the associated Cloud Router and create the VLAN attachment.

What should you do?

- A. Use a 4-byte private ASN 4200000000-4294967294.
- B. Use a 2-byte private ASN 64512-65535.

- C. Use a public Google ASN 15169.
- D. Use a public Google ASN 16550.

Answer: B

NEW QUESTION 56

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 61

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 62

Your company is running out of network capacity to run a critical application in the on-premises data center. You want to migrate the application to GCP. You also want to ensure that the Security team does not lose their ability to monitor traffic to and from Compute Engine instances.

Which two products should you incorporate into the solution? (Choose two.)

- A. VPC flow logs
- B. Firewall logs
- C. Cloud Audit logs
- D. Stackdriver Trace
- E. Compute Engine instance system logs

Answer: AB

Explanation:

A: Using VPC Flow Logs VPC Flow Logs records a sample of network flows sent from and received by VM instances, including instances used as GKE nodes. These logs can be used for network monitoring, forensics, real-time security analysis, and expense optimization. <https://cloud.google.com/vpc/docs/using-flow-logs>

(B): Firewall Rules Logging overview Firewall Rules Logging allows you to audit, verify, and analyze the effects of your firewall rules. For example, you can determine if a firewall rule designed to deny traffic is functioning as intended. Firewall Rules Logging is also useful if you need to determine how many connections are affected by a given firewall rule. You enable Firewall Rules Logging individually for each firewall rule whose connections you need to log. Firewall Rules Logging is an option for any firewall rule, regardless of the action (allow or deny) or direction (ingress or egress) of the rule.

<https://cloud.google.com/vpc/docs/firewall-rules-logging>

NEW QUESTION 64

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 66

You are responsible for designing a new connectivity solution for your organization's enterprise network to access and use Google Workspace. You have an existing Shared VPC with Compute Engine instances in us-west1. Currently, you access Google Workspace via your service provider's internet access. You want to set up a direct connection between your network and Google. What should you do?

- A. Order a Dedicated Interconnect connection in the same metropolitan area
- B. Create a VLAN attachment, a Cloud Router in us-west1, and a Border Gateway Protocol (BGP) session between your Cloud Router and your router.
- C. Order a Direct Peering connection in the same metropolitan area
- D. Configure a Border Gateway Protocol (BGP) session between Google and your router.
- E. Configure HA VPN in us-west1. Configure a Border Gateway Protocol (BGP) session between your Cloud Router and your on-premises data center.
- F. Order a Carrier Peering connection in the same metropolitan area
- G. Configure a Border Gateway Protocol (BGP) session between Google and your router.

Answer: B

NEW QUESTION 70

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 rule
- E. Use network tags to isolate access between the departments.

Answer: C

Explanation:

<https://cloud.google.com/vpc/docs/vpc-peering>

NEW QUESTION 74

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 77

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

Answer: D

Explanation:

<https://cloud.google.com/vpc/docs/using-vpc#create-auto-network>

We create one VPC network in auto mode that creates one subnet in each Google Cloud region automatically. So, region us-east1 and europe-west1 are in the same network and they can communicate using their internal IP address even though they are in different Regions. They take advantage of Google's global fiber network.

NEW QUESTION 82

You have configured Cloud CDN using HTTP(S) load balancing as the origin for cacheable content. Compression is configured on the web servers, but responses served by Cloud CDN are not compressed.

What is the most likely cause of the problem?

- A. You have not configured compression in Cloud CDN.
- B. You have configured the web servers and Cloud CDN with different compression types.
- C. The web servers behind the load balancer are configured with different compression types.

D. You have to configure the web servers to compress responses even if the request has a Via header.

Answer: D

Explanation:

If responses served by Cloud CDN are not compressed but should be, check that the web server software running on your instances is configured to compress responses. By default, some web server software will automatically disable compression for requests that include a Via header. The presence of a Via header indicates the request was forwarded by a proxy. HTTP proxies such as HTTP(S) load balancing add a Via header to each request as required by the HTTP specification. To enable compression, you may have to override your web server's default configuration to tell it to compress responses even if the request had a Via header.

NEW QUESTION 83

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 have recently engaged a traffic-scrubbing service and want to restrict your origin to allow connections only from the traffic-scrubbing service. What should you do?

- A. Create a Cloud Armor Security Policy that blocks all traffic except for the traffic-scrubbing service.
- B. Create a VPC Firewall rule that blocks all traffic except for the traffic-scrubbing service.
- C. Create a VPC Service Control Perimeter that blocks all traffic except for the traffic-scrubbing service.
- D. Create IPTables firewall rules that block all traffic except for the traffic-scrubbing service.

Answer: A

Explanation:

Global load balancer will proxy the connection . thus no trace of session origin IP. you should use Cloud Armor to geofence your service.
<https://cloud.google.com/load-balancing/docs/https>

NEW QUESTION 85

You need to create the network infrastructure to deploy a highly available web application in the us-east1 and us-west1 regions. The application runs on Compute Engine instances, and it does not require the use of a database. You want to follow Google-recommended practices. What should you do?

- A. Create one VPC with one subnet in each region.Create a regional network load balancer in each region with a static IP address
- B. Enable Cloud CDN on the load balancers.Create an A record in Cloud DNS with both IP addresses for the load balancers.
- C. Create one VPC with one subnet in each region.Create a global load balancer with a static IP address.Enable Cloud CDN and Google Cloud Armor on the load balancer.Create an A record using the IP address of the load balancer in Cloud DNS.
- D. Create one VPC in each region, and peer both VPCs.Create a global load balancer.Enable Cloud CDN on the load balancer.Create a CNAME for the load balancer in Cloud DNS.
- E. Create one VPC with one subnet in each region.Create an HTTP(S) load balancer with a static IP address.Choose the standard tier for the network
- F. Enable Cloud CDN on the load balancer.Create a CNAME record using the load balancer's IP address in Cloud DNS.

Answer: C

NEW QUESTION 90

You work for a multinational enterprise that is moving to GCP. These are the cloud requirements:

- An on-premises data center located in the United States in Oregon and New York with Dedicated Interconnects connected to Cloud regions us-west1 (primary HQ) and us-east4 (backup)
- Multiple regional offices in Europe and APAC
- Regional data processing is required in europe-west1 and australia-southeast1
- Centralized Network Administration Team

Your security and compliance team requires a virtual inline security appliance to perform L7 inspection for URL filtering. You want to deploy the appliance in us-west1.

What should you do?

- A. • Create 2 VPCs in a Shared VPC Host Project. • Configure a 2-NIC instance in zone us-west1-a in the Host Project. • Attach NIC0 in VPC #1 us-west1 subnet of the Host Project. • Attach NIC1 in VPC #2 us-west1 subnet of the Host Project. • Deploy the instance. • Configure the necessary routes and firewall rules to pass traffic through the instance.
- B. • Create 2 VPCs in a Shared VPC Host Project. • Configure a 2-NIC instance in zone us-west1-a in the Service Project. • Attach NIC0 in VPC #1 us-west1 subnet of the Host Project. • Attach NIC1 in VPC #2 us-west1 subnet of the Host Project. • Deploy the instance. • Configure the necessary routes and firewall rules to pass traffic through the instance.
- C. • Create 1 VPC in a Shared VPC Host Project. • Configure a 2-NIC instance in zone us-west1-a in the Host Project. • Attach NIC0 in us-west1 subnet of the Host Project. • Attach NIC1 in us-west1 subnet of the Host Project • Deploy the instance. • Configure the necessary routes and firewall rules to pass traffic through the instance.
- D. • Create 1 VPC in a Shared VPC Service Project. • Configure a 2-NIC instance in zone us-west1-a in the Service Project. • Attach NIC0 in us-west1 subnet of the Service Project. • Attach NIC1 in us-west1 subnet of the Service Project • Deploy the instance. • Configure the necessary routes and firewall rules to pass traffic through the instance.

Answer: B

Explanation:

<https://cloud.google.com/vpc/docs/shared-vpc>

NEW QUESTION 95

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 100

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 104

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 108

One instance in your VPC is configured to run with a private IP address only. You want to ensure that even if this instance is deleted, its current private IP address will not be automatically assigned to a different instance.

In the GCP Console, what should you do?

- A. Assign a public IP address to the instance.
- B. Assign a new reserved internal IP address to the instance.
- C. Change the instance's current internal IP address to static.
- D. Add custom metadata to the instance with key internal-address and value reserved.

Answer: C

Explanation:

<https://cloud.google.com/compute/docs/ip-addresses/reserve-static-internal-ip-address#reservenewip> Since here <https://cloud.google.com/compute/docs/ip-addresses/reserve-static-internal-ip-address#reservenewip> it is written that "automatically allocated or an unused address from an existing subnet".

NEW QUESTION 112

You configured Cloud VPN with dynamic routing via Border Gateway Protocol (BGP). You added a custom route to advertise a network that is reachable over the VPN tunnel. However, the on-premises clients still cannot reach the network over the VPN tunnel. You need to examine the logs in Cloud Logging to confirm that the appropriate routers are being advertised over the VPN tunnel. Which filter should you use in Cloud Logging to examine the logs?

- A. resource.type= "gce_router"
- B. resource.type= "gce_network_region"
- C. resource.type= "vpn_tunnel"
- D. resource.type= "vpn_gateway"

Answer: C

NEW QUESTION 115

Your organization is implementing a new security policy to control how firewall rules are applied to control flows between virtual machines (VMs). Using Google-recommended practices, you need to set up a firewall rule to enforce strict control of traffic between VM A and VM B. You must ensure that communications flow only from VM A to VM B within the VPC, and no other communication paths are allowed. No other firewall rules exist in the VPC. Which firewall rule should you configure to allow only this communication path?

- A. Firewall rule direction: ingress Action: allowTarget: VM B service accountSource ranges: VM A service account Priority: 1000
- B. Firewall rule direction: ingress Action: allowTarget: specific VM B tagSource ranges: VM A tag and VM A source IP address Priority: 1000
- C. Firewall rule direction: ingress Action: allowTarget: VM A service accountSource ranges: VM B service account and VM B source IP address Priority: 100
- D. Firewall rule direction: ingress Action: allowTarget: specific VM A tagSource ranges: VM B tag and VM B source IP address Priority: 100

Answer: D

NEW QUESTION 120

You are planning a large application deployment in Google Cloud that includes on-premises connectivity. The application requires direct connectivity between

workloads in all regions and on-premises locations without address translation, but all RFC 1918 ranges are already in use in the on-premises locations. What should you do?

- A. Use multiple VPC networks with a transit network using VPC Network Peering.
- B. Use overlapping RFC 1918 ranges with multiple isolated VPC networks.
- C. Use overlapping RFC 1918 ranges with multiple isolated VPC networks and Cloud NAT.
- D. Use non-RFC 1918 ranges with a single global VPC.

Answer: D

NEW QUESTION 122

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 125

You are configuring an HA VPN connection between your Virtual Private Cloud (VPC) and on-premises network. The VPN gateway is named VPN_GATEWAY_1. You need to restrict VPN tunnels created in the project to only connect to your on-premises VPN public IP address: 203.0.113.1/32. What should you do?

- A. Configure a firewall rule accepting 203.0.113.1/32, and set a target tag equal to VPN_GATEWAY_1.
- B. Configure the Resource Manager constraint constraints/compute.restrictVpnPeerIPs to use an allowList consisting of only the 203.0.113.1/32 address.
- C. Configure a Google Cloud Armor security policy, and create a policy rule to allow 203.0.113.1/32.
- D. Configure an access control list on the peer VPN gateway to deny all traffic except 203.0.113.1/32, and attach it to the primary external interface.

Answer: B

NEW QUESTION 128

Your organization uses a hub-and-spoke architecture with critical Compute Engine instances in your Virtual Private Clouds (VPCs). You are responsible for the design of Cloud DNS in Google Cloud. You need to be able to resolve Cloud DNS private zones from your on-premises data center and enable on-premises name resolution from your hub-and-spoke VPC design. What should you do?

- A. Configure a private DNS zone in the hub VPC, and configure DNS forwarding to the on-premises server. Configure DNS peering from the spoke VPCs to the hub VPC.
- B. Configure a DNS policy in the hub VPC to allow inbound query forwarding from the spoke VPCs. Configure the spoke VPCs with a private zone, and set up DNS peering to the hub VPC.
- C. Configure a DNS policy in the spoke VPCs, and configure your on-premises DNS as an alternate DNS server. Configure the hub VPC with a private zone, and set up DNS peering to each of the spoke VPCs.
- D. Configure a DNS policy in the hub VPC, and configure the on-premises DNS as an alternate DNS server. Configure the spoke VPCs with a private zone, and set up DNS peering to the hub VPC.

Answer: C

NEW QUESTION 133

You are in the early stages of planning a migration to GCP. You want to test the functionality of your hybrid cloud design before you start to implement it in production. The design includes services running on a Compute Engine Virtual Machine instance that need to communicate to on-premises servers using private IP addresses. The on-premises servers have connectivity to the internet, but you have not yet established any Cloud Interconnect connections. You want to choose the lowest cost method of enabling connectivity between your instance and on-premises servers and complete the test in 24 hours. Which connectivity method should you choose?

- A. Cloud VPN
- B. 50-Mbps Partner VLAN attachment
- C. Dedicated Interconnect with a single VLAN attachment
- D. Dedicated Interconnect, but don't provision any VLAN attachments

Answer: A

NEW QUESTION 138

You recently configured Google Cloud Armor security policies to manage traffic to your application. You discover that Google Cloud Armor is incorrectly blocking some traffic to your application. You need to identify the web application firewall (WAF) rule that is incorrectly blocking traffic. What should you do?

- A. Enable firewall logs, and view the logs in Firewall Insights.
- B. Enable HTTP(S) Load Balancing logging with sampling rate equal to 1, and view the logs in Cloud Logging.
- C. Enable VPC Flow Logs, and view the logs in Cloud Logging.
- D. Enable Google Cloud Armor audit logs, and view the logs on the Activity page in the Google CloudConsole.

Answer: A

NEW QUESTION 142

You are creating a new application and require access to Cloud SQL from VPC instances without public IP addresses. Which two actions should you take? (Choose two.)

- A. Activate the Service Networking API in your project.
- B. Activate the Cloud Datastore API in your project.
- C. Create a private connection to a service producer.
- D. Create a custom static route to allow the traffic to reach the Cloud SQL API.
- E. Enable Private Google Access.

Answer: CE

Explanation:

https://cloud.google.com/sql/docs/mysql/configure-private-services-access#console_1

C: If you are using private IP for any of your Cloud SQL instances, you only need to configure private services access one time for every Google Cloud project that has or needs to connect to a Cloud SQL instance. If your Google Cloud project has a Cloud SQL instance, you can either configure it yourself or let Cloud SQL do it for you to use private IP. Cloud SQL configures private services access for you when all the conditions below are true:

https://cloud.google.com/sql/docs/postgres/configure-private-services-access#before_you_begin

E: You can enable Private Google access on a subnet level and any VMs on that subnet can access Google APIs by using their internal IP address.

<https://cloud.google.com/vpc/docs/configure-private-google-access>

NEW QUESTION 144

You have the following firewall ruleset applied to all instances in your Virtual Private Cloud (VPC):

Direction	Action	Address range	Port	Priority
egress	deny	192.0.2.0/24	80	100
egress	deny	198.51.100.0/24	80	200
ingress	allow	203.0.113.0/24	80	300

You need to update the firewall rule to add the following rule to the ruleset:

Direction	Action	Address range	Port	Logging
egress	deny	192.0.2.42/32	80	true

You are using a new user account. You must assign the appropriate identity and Access Management (IAM) user roles to this new user account before updating the firewall rule. The new user account must be able to apply the update and view firewall logs. What should you do?

- A. Assign the compute.securityAdmin and logging.viewer rule to the new user account
- B. Apply the new firewall rule with a priority of 50.
- C. Assign the compute.securityAdmin and logging.bucketWriter role to the new user account
- D. Apply the new firewall rule with a priority of 150.
- E. Assign the compute.orgSecurityPolicyAdmin and logging.viewer role to the new user account
- F. Apply the new firewall rule with a priority of 50.
- G. Assign the compute.orgSecurityPolicyAdmin and logging.bucketWriter role to the new user account. Apply the new firewall rule with a priority of 150.

Answer: A

NEW QUESTION 148

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

Answer: A

Explanation:

<https://cloud.google.com/interconnect/docs/how-to/dedicated/using-interconnects-other-projects>

Using Cloud Interconnect with Shared VPC You can use Shared VPC to share your VLAN attachment in a project with other VPC networks. Choosing Shared VPC is preferable if you need to create many projects and would like to prevent individual project owners from managing their connectivity back to your on-premises network. In this scenario, the host project contains a common Shared VPC network usable by VMs in service projects. Because VMs in the service projects use this network, Service Project Admins don't need to create other VLAN attachments or Cloud Routers in the service projects. In this scenario, you must create VLAN attachments and Cloud Routers for a Cloud Interconnect connection only in the Shared VPC host project. The combination of a VLAN attachment and its associated Cloud Router are unique to a given Shared VPC network.

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/enabling-multiple-networks-access-sa>

<https://cloud.google.com/vpc/docs/shared-vpc>

NEW QUESTION 153

Your company has separate Virtual Private Cloud (VPC) networks in a single region for two departments: Sales and Finance. The Sales department's VPC

network already has connectivity to on-premises locations using HA VPN, and you have confirmed that the subnet ranges do not overlap. You plan to peer both VPC networks to use the same HA tunnels for on-premises connectivity, while providing internet connectivity for the Google Cloud workloads through Cloud NAT. Internet access from the on-premises locations should not flow through Google Cloud. You need to propagate all routes between the Finance department and on-premises locations. What should you do?

- A. Peer the two VPCs, and use the default configuration for the Cloud Routers.
- B. Peer the two VPCs, and use Cloud Router's custom route advertisements to announce the peered VPC network ranges to the on-premises locations.
- C. Peer the two VPC
- D. Configure VPC Network Peering to export custom routes from Sales and import custom routes on Finance's VPC network
- E. Use Cloud Router's custom route advertisements to announce a default route to the on-premises locations.
- F. Peer the two VPC
- G. Configure VPC Network Peering to export custom routes from Sales and import custom routes on Finance's VPC network
- H. Use Cloud Router's custom route advertisements to announce the peered VPC network ranges to the on-premises locations.

Answer: A

NEW QUESTION 157

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 159

You have an application hosted on a Compute Engine virtual machine instance that cannot communicate with a resource outside of its subnet. When you review the flow and firewall logs, you do not see any denied traffic listed.

During troubleshooting you find:

- Flow logs are enabled for the VPC subnet, and all firewall rules are set to log.
- The subnetwork logs are not excluded from Stackdriver.
- The instance that is hosting the application can communicate outside the subnet.
- Other instances within the subnet can communicate outside the subnet.
- The external resource initiates communication. What is the most likely cause of the missing log lines?

- A. The traffic is matching the expected ingress rule.
- B. The traffic is matching the expected egress rule.
- C. The traffic is not matching the expected ingress rule.
- D. The traffic is not matching the expected egress rule.

Answer: C

NEW QUESTION 162

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 164

You need to create a new VPC network that allows instances to have IP addresses in both the 10.1.1.0/24 network and the 172.16.45.0/24 network. What should you do?

- A. Configure global load balancing to point 172.16.45.0/24 to the correct instance.
- B. Create unique DNS records for each service that sends traffic to the desired IP address.
- C. Configure an alias-IP range of 172.16.45.0/24 on the virtual instances within the VPC subnet of 10.1.1.0/24.
- D. Use VPC peering to allow traffic to route between the 10.1.0.0/24 network and the 172.16.45.0/24 network.

Answer: C

NEW QUESTION 167

Your company's Google Cloud-deployed, streaming application supports multiple languages. The application development team has asked you how they should support splitting audio and video traffic to different backend Google Cloud storage buckets. They want to use URL maps and minimize operational overhead. They are currently using the following directory structure:

/fr/video
/en/video
/es/video
/./video
/fr/audio
/en/audio
/es/audio
/./audio

Which solution should you recommend?

- A. Rearrange the directory structure, create a URL map and leverage a path rule such as /video/* and /audio/*.
- B. Rearrange the directory structure, create DNS hostname entries for video and audio and leverage a path rule such as /video/* and /audio/*.
- C. Leave the directory structure as-is, create a URL map and leverage a path rule such as \[a-z]{2}\video and \[a-z]{2}\audio.
- D. Leave the directory structure as-is, create a URL map and leverage a path rule such as /*/video and /*/ audio.

Answer: A

Explanation:

https://cloud.google.com/load-balancing/docs/url-map#configuring_url_maps

Path matcher constraints Path matchers and path rules have the following constraints: A path rule can only include a wildcard character (*) after a forward slash character (/). For example, /videos/* and /videos/hd/* are valid for path rules, but /videos* and /videos/hd* are not. Path rules do not use regular expression or substring matching. For example, path rules for either /videos/hd or /videos/hd/* do not apply to a URL with the path /video/hd-abcd. However, a path rule for /video/* does apply to that path. <https://cloud.google.com/load-balancing/docs/url-map-concepts#pm-constraints>

NEW QUESTION 172

Your organization has a single project that contains multiple Virtual Private Clouds (VPCs). You need to secure API access to your Cloud Storage buckets and BigQuery datasets by allowing API access only from resources in your corporate public networks. What should you do?

- A. Create an access context policy that allows your VPC and corporate public network IP ranges, and then attach the policy to Cloud Storage and BigQuery.
- B. Create a VPC Service Controls perimeter for your project with an access context policy that allows your corporate public network IP ranges.
- C. Create a firewall rule to block API access to Cloud Storage and BigQuery from unauthorized networks.
- D. Create a VPC Service Controls perimeter for each VPC with an access context policy that allows your corporate public network IP ranges.

Answer: B

NEW QUESTION 173

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 174

You need to ensure your personal SSH key works on every instance in your project. You want to accomplish this as efficiently as possible. What should you do?

- A. Upload your public ssh key to the project Metadata.
- B. Upload your public ssh key to each instance Metadata.
- C. Create a custom Google Compute Engine image with your public ssh key embedded.
- D. Use gcloud compute ssh to automatically copy your public ssh key to the instance.

Answer: A

Explanation:

Overview By creating and managing SSH keys, you can let users access a Linux instance through third-party tools. An SSH key consists of the following files: A public SSH key file that is applied to instance-level metadata or project-wide metadata. A private SSH key file that the user stores on their local devices. If a user presents their private SSH key, they can use a third-party tool to connect to any instance that is configured with the matching public SSH key file, even if they aren't a member of your Google Cloud project. Therefore, you can control which instances a user can access by changing the public SSH key metadata for one or more instances. <https://cloud.google.com/compute/docs/instances/adding-removing-ssh-keys#addkey>

NEW QUESTION 177

You have provisioned a Dedicated Interconnect connection of 20 Gbps with a VLAN attachment of 10 Gbps. You recently noticed a steady increase in ingress traffic on the Interconnect connection from the on-premises data center. You need to ensure that your end users can achieve the full 20 Gbps throughput as quickly as possible. Which two methods can you use to accomplish this? (Choose two.)

- A. Configure an additional VLAN attachment of 10 Gbps in another regio
- B. Configure the on-premises router to advertise routes with the same multi-exit discriminator (MED).
- C. Configure an additional VLAN attachment of 10 Gbps in the same regio
- D. Configure the on-premises router to advertise routes with the same multi-exit discriminator (MED).
- E. From the Google Cloud Console, modify the bandwidth of the VLAN attachment to 20 Gbps.
- F. From the Google Cloud Console, request a new Dedicated Interconnect connection of 20 Gbps, and configure a VLAN attachment of 10 Gbps.
- G. Configure Link Aggregation Control Protocol (LACP) on the on-premises router to use the 20-Gbps Dedicated Interconnect connection.

Answer: CE

NEW QUESTION 182

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