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QUESTION 1

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.

Correct Answer: B

QUESTION 2

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.

Correct 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.

Reference: https://cloud.google.com/cdn/docs/troubleshooting-steps

QUESTION 3

You have a storage bucket that contains two objects. Cloud CDN is enabled on the bucket, and both objects have been successfully cached. Now you want to make sure that one of the two objects will not be cached anymore, and will always be served to the internet directly from the origin.

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What should you do?

A. Ensure that the object you don\\'t want to be cached anymore is not shared publicly.

B. Create a new storage bucket, and move the object you don\\'t want to be checked anymore inside it. Then edit the bucket setting and enable the privateattribute.

C. Add an appropriate lifecycle rule on the storage bucket containing the two objects.

D. Add a Cache-Control entry with value private to the metadata of the object you don\\'t want to be cached anymore. Invalidate all the previously cached copies.

Correct Answer: A

Reference: https://developers.google.com/web/ilt/pwa/caching-files-with-service-worker

QUESTION 4

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.

Correct Answer: C

QUESTION 5

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.

1.

Each organization has enabled full connectivity between all of its projects by using Shared VPC.

2.

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.

3.

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There are no prefix overlaps between the two organizations.

4.

Both organizations already have firewall rules that allow all inbound and outbound traffic from the 10.0.0.0/8 address space.

5.

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.

Correct Answer: CD

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