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QUESTION NO: 1

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: C D

Explanation:

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

QUESTION NO: 2

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

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

A. Open a Cloud Support ticket under the Cloud Interconnect category.

B. Download the LOA-CFA from the Hybrid Connectivity section of the GCP Console.

C. Run gcloud compute interconnects describe .

D. Check the email for the account of the NOC contact that you specified during the ordering process.

E. Contact your cross-connect provider and inform them that Google automatically sent the LOA/CFA to them via email, and to complete the connection.

ANSWER: D E

QUESTION NO: 3

You have recently been put in charge of managing identity and access management for your organization. You have several projects and want to use scripting and automation wherever possible. You want to grant the editor role to a project member.

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

A. GetIamPolicy() via REST API

B. setIamPolicy() via REST API

C. gcloud pubsub add-iam-policy-binding Sprojectname --member user:Susername --role roles/editor

D. gcloud projects add-iam-policy-binding Sprojectname --member user:Susername --role roles/editor

E. Enter an email address in the Add members field, and select the desired role from the drop-down menu in the GCP Console.

ANSWER: D E

Explanation:

Reference: https://cloud.google.com/iam/docs/granting-changing-revoking-access

QUESTION NO: 4

You have enabled HTTP(S) load balancing for your application, and your application developers have reported that HTTP(S) requests are not being distributed correctly to your Compute Engine Virtual Machine instances. You want to find data about how the request are being distributed.

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

A. On the Load Balancer details page of the GCP Console, click on the Monitoring tab, select your backend service, and look at the graphs.

B. In Stackdriver Error Reporting, look for any unacknowledged errors for the Cloud Load Balancers service.

C. In Stackdriver Monitoring, select Resources > Metrics Explorer and search for https/request_bytes_count metric.

D. In Stackdriver Monitoring, select Resources > Google Cloud Load Balancers and review the Key Metrics graphs in the dashboard.

E. In Stackdriver Monitoring, create a new dashboard and track the https/backend_request_count metric for the load balancer.

ANSWER: A D

QUESTION NO: 5

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

How should you design the topology?

A. Create a Shared VPC Host Project and the respective Service Projects for each of the 3 separate departments.

B. Create 3 separate VPCs, and use Cloud VPN to establish connectivity between the two appropriate VPCs.

C. Create 3 separate VPCs, and use VPC peering to establish connectivity between the two appropriate VPCs.

D. Create a single project, and deploy specific firewall rules. Use network tags to isolate access between the departments.

ANSWER: A

Explanation:

Use Shared VPC to connect to a common VPC network. Resources in those projects can communicate with each other securely and efficiently across project boundaries using internal IPs. You can manage shared network resources, such as subnets, routes, and firewalls, from a central host project, enabling you to apply and enforce consistent network policies across the projects.

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

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

QUESTION NO: 6

Your company has a security team that manages firewalls and SSL certificates. It also has a networking team that manages the networking resources. The networking team needs to be able to read firewall rules, but should not be able to create, modify, or delete them.

How should you set up permissions for the networking team?

A. Assign members of the networking team the compute.networkUser role.

B. Assign members of the networking team the compute.networkAdmin role.

C. Assign members of the networking team a custom role with only the compute.networks.* and the compute.firewalls.list permissions.

D. Assign members of the networking team the compute.networkViewer role, and add the compute.networks.use permission.

ANSWER: B

Explanation:

Reference: https://cloud.google.com/compute/docs/access/iam

QUESTION NO: 7

You have created an HTTP(S) load balanced service. You need to verify that your backend instances are responding properly.

How should you configure the health check?

A. Set request-path to a specific URL used for health checking, and set proxy-header to PROXY_V1.

B. Set request-path to a specific URL used for health checking, and set host to include a custom host header that identifies the health check.

C. Set request-path to a specific URL used for health checking, and set response to a string that the backend service will always return in the response body.

D. Set proxy-header to the default value, and set host to include a custom host header that identifies the health check.

ANSWER: B

Explanation:

Reference: https://cloud.google.com/load-balancing/docs/health-checks

QUESTION NO: 8

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: C D

Explanation:

Reference: https://cloud.google.com/vpc/docs/vpc

QUESTION NO: 9

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: B

QUESTION NO: 10

You are designing a shared VPC architecture. Your network and security team has strict controls over which routes are exposed between departments. Your Production and Staging departments can communicate with each other, but only via specific networks. You want to follow Google-recommended practices.

How should you design this topology?

A. Create 2 shared VPCs within the shared VPC Host Project, and enable VPC peering between them. Use firewall rules to filter access between the specific networks.

B. Create 2 shared VPCs within the shared VPC Host Project, and create a Cloud VPN/Cloud Router between them. Use Flexible Route Advertisement (FRA) to filter access between the specific networks.

C. Create 2 shared VPCs within the shared VPC Service Project, and create a Cloud VPN/Cloud Router between them. Use Flexible Route Advertisement (FRA) to filter access between the specific networks.

D. Create 1 VPC within the shared VPC Host Project, and share individual subnets with the Service Projects to filter access between the specific networks.

ANSWER: D

Explanation:

Reference: https://cloud.google.com/vpc/docs/shared-vpc