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QUESTION 1

You have developed a non-critical update to your application that is running in a managed instance group, and have created a new instance template with the update that you want to release. To prevent any possible impact to the application, you don\'t want to update any running instances. You want any new instances that are created by the managed instance group to contain the new update. What should you do?

A. Start a new rolling restart operation.

B. Start a new rolling replace operation.

C. Start a new rolling update. Select the Proactive update mode.

D. Start a new rolling update. Select the Opportunistic update mode.

Correct Answer: D

In certain scenarios, an opportunistic update is useful because you don\'t want to cause instability to the system if it can be avoided. For example, if you have a non-critical update that can be applied as necessary without any urgency and you have a MIG that is actively being autoscaled, perform an opportunistic update so that Compute Engine does not actively tear down your existing instances to apply the update. When resizing down, the autoscaler preferentially terminates instances with the old template as well as instances that are not yet in a RUNNING state.

QUESTION 2

You have an App Engine application that needs to be updated. You want to test the update with production traffic before replacing the current application version.

What should you do?

A. Deploy the update using the Instance Group Updater to create a partial rollout, which allows for canary testing.

B. Deploy the update as a new version in the App Engine application, and split traffic between the new and current versions.

C. Deploy the update in a new VPC, and use Google\'s global HTTP load balancing to split traffic between the update and current applications.

D. Deploy the update as a new App Engine application, and use Google\'s global HTTP load balancing to split traffic between the new and current applications.

Correct Answer: B

https://cloud.google.com/appengine/docs/standard/python/splitting-traffic

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QUESTION 3

Your company has a Google Cloud project that uses BigQuery for data warehousing. The VPN tunnel between the on-premises environment and Google Cloud is configured with Cloud VPN. Your security team wants to avoid data exfiltration by malicious insiders, compromised code, and accidental oversharing. What should you do?

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A. Configure VPC Service Controls and configure Private Google Access for on-premises hosts.

B. Create a service account, grant the BigQuery JobUser role and Storage Object Viewer role to the service account, and remove all other Identity and Access Management (1AM) access from the project.

C. Configure Private Google Access.

D. Configure Private Service Connect.

Correct Answer: A

QUESTION 4

You want to make a copy of a production Linux virtual machine in the US-Central region. You want to manage and replace the copy easily if there are changes on the production virtual machine. You will deploy the copy as a new instances in a different project in the US-East region. What steps must you take?

A. Use the Linux dd and netcat command to copy and stream the root disk contents to a new virtual machine instance in the US-East region.

B. Create a snapshot of the root disk and select the snapshot as the root disk when you create a new virtual machine instance in the US-East region.

C. Create an image file from the root disk with Linux dd command, create a new disk from the image file, and use it to create a new virtual machine instance in the US-East region

D. Create a snapshot of the root disk, create an image file in Google Cloud Storage from the snapshot, and create a new virtual machine instance in the US-East region using the image file for the root disk.

Correct Answer: D

https://stackoverflow.com/questions/36441423/migrate-google-compute-engine-instance-to-a-different-region

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QUESTION 5

Your company places a high value on being responsive and meeting customer needs quickly. Their primary business objectives are release speed and agility. You want to reduce the chance of security errors being accidentally introduced.

Which two actions can you take? Choose 2 answers

A. Ensure every code check-in is peer reviewed by a security SME.

B. Use source code security analyzers as part of the CI/CD pipeline.

C. Ensure you have stubs to unit test all interfaces between components.

D. Enable code signing and a trusted binary repository integrated with your CI/CD pipeline.

E. Run a vulnerability security scanner as part of your continuous-integration /continuous-delivery (CI/CD) pipeline.

Correct Answer: BE

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https://docs.microsoft.com/en-us/vsts/articles/security-validation-cicd-pipeline?view=vsts

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