

Q&As

Professional Cloud Architect on Google Cloud Platform

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QUESTION 1

For this question, refer to the TerramEarth case study. You need to implement a reliable, scalable GCP solution for the data warehouse for your company, TerramEarth. Considering the TerramEarth business and technical requirements, what should you do?

- A. Replace the existing data warehouse with BigQuery. Use table partitioning.
- B. Replace the existing data warehouse with a Compute Engine instance with 96 CPUs.
- C. Replace the existing data warehouse with BigQuery. Use federated data sources.
- D. Replace the existing data warehouse with a Compute Engine instance with 96 CPUs. Add an additional Compute Engine pre-emptible instance with 32 CPUs.

Correct Answer: A

QUESTION 2

Your company is planning to upload several important files to Cloud Storage. After the upload is completed, they want to verify that the upload content is identical to what they have on-premises. You want to minimize the cost and effort of performing this check. What should you do?

- A. 1) Use gsutil-m to upload all the files to Cloud Storage. 2) Use gsutil cp to download the uploaded files 3) Use Linux diff to compare the content of the files
- B. 1) Use gsutil-m to upload all the files to Cloud Storage. 2) Develop a custom Java application that computes CRC32C hashes 3) Use gsutil Is-L gs://[YOUR_BUCKET_NAME] to collect CRC32C hashes of the uploaded files 4)Compare the hashes
- C. 1) Use Linux shasum to compute a digest of files you want to upload 2) Use gsutil-m to upload all the files to the Cloud Storage 3) Use gsutil cp to download the uploaded files 4) Use Linux shasum to compute a digest of the downloaded files 5.Compre the hashes
- D. 1)Use gsutil-m to upload all the files to Cloud Storage. 2)Use gsutil hash-c FILE_NAME to generate CRC32C hashes of all on-premises files 3)Use gsutil Is-L gs://[YOUR_BUCKET_NAME] to collect CRC32C hashes of the uploaded files 4)Compare the hashes

Correct Answer: D

https://cloud.google.com/storage/docs/gsutil/commands/hash

QUESTION 3

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



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- 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

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

QUESTION 4

Your company has a Google Cloud project that uses BigQuery for data warehousing. The VPN tunnel between the onpremises 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?

- 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 5

Your customer is moving an existing corporate application to Google Cloud Platform from an on-premises data center. The business owners require minimal user disruption. There are strict security team requirements for storing passwords. What authentication strategy should they use?

- A. Use G Suite Password Sync to replicate passwords into Google.
- B. Federate authentication via SAML 2.0 to the existing Identity Provider.
- C. Provision users in Google using the Google Cloud Directory Sync tool.
- D. Ask users to set their Google password to match their corporate password.

Correct Answer: B

https://cloud.google.com/solutions/authenticating-corporate-users-in-a-hybrid-environment

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Questions