Google Discussions

Exam Professional Cloud Security Engineer All Questions

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EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 273 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer
Question #: 273
Topic #: 1
[All Professional Cloud Security Engineer Questions]

You are working with developers to secure custom training jobs running on Vertex AI. For compliance reasons, all supported data types must be encrypted by key materials that reside in the Europe region and are controlled by your organization. The encryption activity must not impact the training operation in Vertex AI. What should you do?

A. Encrypt the code, training data, and metadata with Google default encryption. Use customer-managed encryption keys (CMEK) for the trained models exported to Cloud Storage buckets.

B. Encrypt the code, training data, metadata, and exported trained models with customer-managed encryption keys (CMEK).

C. Encrypt the code, training data, and exported trained models with customer-managed encryption keys (CMEK).

D. Encrypt the code, training data, and metadata with Google default encryption. Implement an organization policy that enforces a constraint to restrict the Cloud KMS location to the Europe region.

Show Suggested Answer

by yokoyan at *Sept. 6, 2024, 1:40 a.m.*

Comments

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Pime13 7 months, 3 weeks ago

Selected Answer: C

In general, the CMEK key does not encrypt metadata associated with your operation, like the job's name and region, or a dataset's display name. Metadata associated with operations is always encrypted using Google's default encryption mechanism.

https://cloud.google.com/vertex-ai/docs/general/cmek

upvoted 3 times

Zek 7 months, 3 weeks ago

Selected Answer: C

C sounds right

https://cloud.google.com/vertex-ai/docs/general/cmek#resources
In general, the CMEK key does not encrypt metadata associated with your operation, like the job's name and region, or a dataset's display name. Metadata associated with operations is always encrypted using Google's default encryption mechanism.

upvoted 1 times

kalbd2212 7 months, 4 weeks ago

Selected Answer: C

Ans is C

Guys before recommending an answer please read the doc.

In general, the CMEK key does not encrypt metadata associated with your operation, like the job's name and region, or a dataset's display name. Metadata associated with operations is always encrypted using Google's default encryption mechanism.
https://cloud.google.com/vertex-ai/docs/general/cmek#benefits

upvoted 1 times

nah99 8 months ago

Selected Answer: C

C seems best.
NOT B: "In general, the CMEK key does not encrypt metadata associated with your operation"
NOT D: "If you want to control your encryption keys, then you can use customer-managed encryption keys (CMEKs) "

https://cloud.google.com/vertex-ai/docs/general/cmek#resources

upvoted 1 times

3fd692e 8 months, 3 weeks ago

Selected Answer: B

B is correct. D looks good but uses Google Managed Encryption Keys which violates the requirement of control the encryption resources outlined in the question.

upvoted 2 times

BondleB 8 months, 3 weeks ago

Selected Answer: D

Option D enforces that all supported data types must be encrypted by key materials that reside in the Europe region.

upvoted 2 times

dat987 9 months, 2 weeks ago

Answer is C

The CMEK key doesn't encrypt metadata, like the instance's name and region, associated with your Vertex AI Workbench instance. Metadata associated with Vertex AI Workbench instances is always encrypted using Google's default encryption mechanism.

upvoted 2 times

yokoyan 10 months, 3 weeks ago

Selected Answer: B

I think it's B.

upvoted 1 times

BondleB 8 months, 3 weeks ago

In general, the CMEK key does not encrypt metadata associated with your operation, like the job's name and region, or a dataset's display name. Metadata associated with operations is always encrypted using Google's default encryption mechanism.

upvoted 1 times