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Exam Professional Cloud Security Engineer All Questions

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EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 214 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 214

Topic #: 1

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Your organization processes sensitive health information. You want to ensure that data is encrypted while in use by the virtual machines (VMs). You must create a policy that is enforced across the entire organization.

What should you do?

- A. Implement an organization policy that ensures that all VM resources created across your organization use customer-managed encryption keys (CMEK) protection.
- B. Implement an organization policy that ensures all VM resources created across your organization are Confidential VM instances.
- C. Implement an organization policy that ensures that all VM resources created across your organization use Cloud External Key Manager (EKM) protection.
- D. No action is necessary because Google encrypts data while it is in use by default.


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by  [pfilourenco](#) at Aug. 4, 2023, 11:05 a.m.

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  **ArizonaClassics** 11 months ago

If your organization processes sensitive health information and you want to ensure that data is encrypted while in use by the virtual machines (VMs), the appropriate action would be:

B. Implement an organization policy that ensures all VM resources created across your organization are Confidential VM instances.

Confidential VMs offer memory encryption to secure data while it is "in use". They use AMD's Secure Encrypted Virtualization (SEV) feature to ensure that data remains encrypted when processed. This would help to meet the requirement of encrypting sensitive health information at rest in transit and while in use by the VMs.

   upvoted 3 times

  **akg001** 11 months, 3 weeks ago

Selected Answer: B

B- is correct

   upvoted 2 times

  **alkaloid** 11 months, 4 weeks ago

Selected Answer: B

B is correct: <https://www.youtube.com/watch?v=cAEGCE1vNh4&t=22s>

   upvoted 4 times

  **pfilourenco** 11 months, 4 weeks ago

Selected Answer: B

B - Confidential VM is a type of Compute Engine VM that ensures that your data and applications stay private and encrypted even while in use. + By enabling Confidential Computing organization policy constraint, you can ensure that all VM resources created across your organization are Confidential VM instances.

   upvoted 1 times

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