

[Google Discussions](#)

Exam Professional Cloud Security Engineer All Questions

View all questions & answers for the Professional Cloud Security Engineer exam

[Go to Exam](#)

EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 263 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 263

Topic #: 1

[\[All Professional Cloud Security Engineer Questions\]](#)

Your organization relies heavily on virtual machines (VMs) in Compute Engine. Due to team growth and resource demands, VM sprawl is becoming problematic. Maintaining consistent security hardening and timely package updates poses an increasing challenge. You need to centralize VM image management and automate the enforcement of security baselines throughout the virtual machine lifecycle. What should you do?

- A. Use VM Manager to automatically distribute and apply patches to VMs across your projects. Integrate VM Manager with hardened, organization-standard VM images stored in a central repository.
- B. Configure the sole-tenancy feature in Compute Engine for all projects. Set up custom organization policies in Policy Controller to restrict the operating systems and image sources that teams are allowed to use.
- C. Create a Cloud Build trigger to build a pipeline that generates hardened VM images. Run vulnerability scans in the pipeline, and store images with passing scans in a registry. Use instance templates pointing to this registry.
- D. Activate Security Command Center Enterprise. Use VM discovery and posture management features to monitor hardening state and trigger automatic responses upon detection of issues.

[Show Suggested Answer](#)

by [yokoyan](#) at Sept. 6, 2024, 1:30 a.m.

Comments

Type your comment...

Submit

🗄️ 👤 **Pime13** 7 months, 3 weeks ago

Selected Answer: C

This approach ensures that:

Centralized Image Management: Hardened VM images are created and stored in a central registry.

Automated Security Enforcement: Vulnerability scans are run in the pipeline, ensuring that only secure images are used.

Consistency: Instance templates pointing to the registry ensure that all VMs are created from the approved, secure images.

Option A suggests using VM Manager to automatically distribute and apply patches to VMs across your projects and integrating VM Manager with hardened, organization-standard VM images stored in a central repository. While this approach addresses patch management and centralizes image storage, it doesn't fully automate the enforcement of security baselines throughout the VM lifecycle.

👍 ↩️ 🚩 upvoted 2 times

🗄️ 👤 **BPzen** 8 months ago

Selected Answer: C

Explanation:

VM sprawl and security hardening challenges necessitate a robust solution for centralized VM image management and automation of security baselines. Implementing a pipeline to create, validate, and distribute hardened images ensures consistency, security, and compliance throughout the VM lifecycle.

While VM Manager is excellent for patch management, it does not centralize or automate the creation of hardened VM images.

This solution does not address the root cause of inconsistent VM configurations caused by VM sprawl.

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **KLei** 8 months, 2 weeks ago

Selected Answer: A

VM Manager allows you to automate the management of your virtual machines, including patch management.

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **koo_kai** 9 months, 2 weeks ago

Selected Answer: A

It's A

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **1e22522** 10 months, 3 weeks ago

Selected Answer: A

It's A 100%

👍 ↩️ 🚩 upvoted 4 times

🗄️ 👤 **SQLbox** 10 months, 3 weeks ago

A is the correct answer ,VM Manager allows you to centrally manage and automate patching, configuration management, and compliance enforcement for VMs. By integrating with hardened VM images stored in a central repository, you ensure that VMs are consistently created with security baselines and regularly updated.

- This solution provides automation and central control, which addresses both the challenges of VM sprawl and the need for consistent security.

👍 ↩️ 🚩 upvoted 3 times

🗄️ 👤 **yokoyan** 10 months, 3 weeks ago

Selected Answer: C

I think it's C.

👍 ↩️ 🚩 upvoted 2 times

🗄️ 👤 **KLei** 8 months, 2 weeks ago

This option focuses on creating hardened images but does not directly address the ongoing management and patching of existing VMs. It can be part of a solution but is not as comprehensive for maintenance as VM Manager.

👍 ↩️ 🚩 upvoted 2 times

🗄️ 👤 **yokoyan** 8 months, 1 week ago

yes. A is correct. not C.

👍 ↩️ 🚩 upvoted 1 times



Platform

> Home

> Examtopics PRO

> All Exams

> Training Courses



© 2024 ExamTopics