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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 101 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 101

Topic #: 1

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You need to host an application on a Compute Engine instance in a project shared with other teams. You want to prevent the other teams from accidentally causing downtime on that application. Which feature should you use?

- A. Use a Shielded VM.
- B. Use a Preemptible VM.
- C. Use a sole-tenant node.
- D. Enable deletion protection on the instance.




Show Suggested Answer

by  professor at June 26, 2020, 3 p.m.

Comments

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  ESP_SAP Highly Voted  4 years, 1 month ago

Correct Answer is (D):

Preventing Accidental VM Deletion

This document describes how to protect specific VM instances from deletion by setting the `deletionProtection` property on an Instance resource. To learn more about VM instances, read the [Instances documentation](#).

As part of your workload, there might be certain VM instances that are critical to running your application or services, such as an instance running a SQL server, a server used as a license manager, and so on. These VM instances might need to stay running indefinitely so you need a way to protect these VMs from being deleted.

By setting the `deletionProtection` flag, a VM instance can be protected from accidental deletion. If a user attempts to delete a VM instance for which you have set the `deletionProtection` flag, the request fails. Only a user that has been granted a role with `compute.instances.create` permission can reset the flag to allow the resource to be deleted.

<https://cloud.google.com/compute/docs/instances/preventing-accidental-vm-deletion>

3 upvoted 58 times

professor Highly Voted 4 years, 3 months ago
Agree with D

You can enable Termination protection

3 upvoted 14 times

iooj Most Recent 1 month, 2 weeks ago

Selected Answer: C

It doesn't say that someone can delete it and we should prevent deletion.

3 upvoted 1 times

Timfdklfajlksdjlakf 1 month, 3 weeks ago

Selected Answer: D

The correct answer is D.

3 upvoted 1 times

flummoxed_individual 2 months, 4 weeks ago

Selected Answer: C

C. Question says accidental downtime - this could be caused by many other reasons other than just straight deleting things. "Use a sole-tenant node" allows you to have dedicated hardware for your VM instances, providing isolation from other workloads. This isolation can help prevent other teams' actions from impacting your application's availability.

3 upvoted 1 times

ccpmad 4 months, 4 weeks ago

Selected Answer: D

(Use a sole-tenant node) is a method to ensure that your VMs run on a physical host dedicated to your project (related to licences etc), but it doesn't specifically prevent accidental downtime caused by other teams in a shared environment.

3 upvoted 1 times

JB28 9 months, 1 week ago

To prevent accidental deletion of a Compute Engine instance, you can enable deletion protection on the instance. This feature prevents the instance from being deleted by any user until deletion protection is disabled.

So, the correct answer is: D. Enable deletion protection on the instance.

3 upvoted 1 times

kelliot 10 months, 4 weeks ago

Selected Answer: D

for me, is D

3 upvoted 2 times

NHarshada12345 11 months ago

Selected Answer: D

ANS is D:

By setting the `deletionProtection` flag, a VM instance can be protected from accidental deletion. If a user attempts to delete a VM instance for which you have set the `deletionProtection` flag, the request fails. Only a user that has been granted a role with `compute`.

3 upvoted 2 times

EmW9117 11 months, 2 weeks ago

Selected Answer: D

C is incorrect as sole-tenant is project-based. The other users in the same project can still cause accidental deletion of the VM even if using a sole-tenant node.

3 upvoted 2 times

? ? BAofBK 11 months, 2 weeks ago

The correct answer is D

? ? ? upvoted 1 times

? ? VijKall 11 months, 3 weeks ago

Selected Answer: D

I will go with Enable deletion protection on the instance as it prevents accidental deletion.

Shielded VMs protects from malicious attack in the software on the VM.

Sole Tenant - it isolates the resources from others, but does not protect from accidental deletion. Also this needs all together a setup from scratch and cannot be just setup on fly easily.

? ? ? upvoted 1 times

? ? drinkwater 1 year ago

A. Use a Shielded VM.

Explanation:

Shielded VMs provide additional security features to help protect against rootkits and bootkits, ensuring the integrity of the operating system and your applications.

Shielded VMs can help prevent accidental or malicious modifications to the VM that could lead to downtime or security risks.

Option B (Use a Preemptible VM) is not suitable for preventing accidental downtime as preemptible VMs are designed to be temporary and can be terminated at any time.

Option C (Use a sole-tenant node) is a method to ensure that your VMs run on a physical host dedicated to your project, but it doesn't specifically prevent accidental downtime caused by other teams in a shared environment.

Option D (Enable deletion protection on the instance) helps prevent accidental deletion of the instance, but it does not prevent other types of accidental modifications or downtime caused by other teams.

? ? ? upvoted 4 times

? ? ekta25 1 year ago

D. Enable deletion protection on the instance.

? ? ? upvoted 2 times

? ? Blessiq 1 year, 1 month ago

Selected Answer: C

C. "Use a sole-tenant node" allows you to have dedicated hardware for your VM instances, providing isolation from other workloads. This isolation can help prevent other teams' actions from impacting your application's availability.

? ? ? upvoted 1 times

? ? scanner2 1 year, 1 month ago

Selected Answer: D

Answer is D

? ? ? upvoted 2 times

? ? Captain1212 1 year, 1 month ago

Selected Answer: C

option c is correct becuase, it givrs you islotation from other projects, where option d is only prevent if from delete only

? ? ? upvoted 1 times

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