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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 59 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 59

Topic #: 1

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You are the organization and billing administrator for your company. The engineering team has the Project Creator role on the organization. You do not want the engineering team to be able to link projects to the billing account. Only the finance team should be able to link a project to a billing account, but they should not be able to make any other changes to projects. What should you do?

- A. Assign the finance team only the Billing Account User role on the billing account.
- B. Assign the engineering team only the Billing Account User role on the billing account.
- C. Assign the finance team the Billing Account User role on the billing account and the Project Billing Manager role on the organization.
- D. Assign the engineering team the Billing Account User role on the billing account and the Project Billing Manager role on the organization.

Show Suggested Answer

by [Bharathy](#) at March 24, 2020, 5:33 a.m.

Comments

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Bharathy Highly Voted 4 years, 7 months ago

Option A is correct, as we don't want the engineering team to link projects to billing account and want only the Finance team. Billing Account User role will help to link projects to the billing account...

upvoted 89 times

BobbyFlash 3 years ago

I would also go with A. I would think they are trying to get a quick answer from you as "Billing Administrator": engineering team already has the project creator role; you just would want finance team to link (and only) link projects to billing accounts, nothing else. Maybe the key phrase here is "but they should not be able to make any other changes to projects" and that would include the action of unlinking projects.

upvoted 8 times

Hasaaaaan 3 years, 4 months ago

Billing Account User also enables the user to make changes in resources.

upvoted 1 times

pspandher 2 years, 3 months ago

Billing Account User Role when granted in combination with the Project Billing Manager role, the two roles allow a user to link and unlink projects on the billing account on which the Billing Account User role is granted

upvoted 2 times

mwwoodm 4 years, 1 month ago

Option A makes the most sense since Billing Account User can link projects to the billing account and the question reinforces principle of least privilege. Source: <https://cloud.google.com/billing/docs/how-to/billing-access>

upvoted 11 times

Nikki2424 5 months, 1 week ago

Yes, but in combination with Project Billing Manager. Also these two roles won't grant rights on any other resources, which is also intended in the question.

upvoted 1 times

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measme Highly Voted 4 years, 4 months ago

for me is C:

https://cloud.google.com/billing/docs/how-to/modify-project#permissions_required_for_this_task_2

"Roles with adequate permissions to perform this task:

* Project Owner or Project Billing Manager on the project, AND Billing Account Administrator or Billing Account User for the target Cloud Billing account."

upvoted 63 times

sarjan 2 weeks, 4 days ago

Correct

upvoted 1 times

obeythefist 2 years, 7 months ago

The question states that the finance group should not be able to make changes to existing projects. Granting the finance team organizational level Billing Account Administrator will allow them to make changes to other projects. C cannot be correct.

upvoted 3 times

Robertolo 2 years ago

Project Billing Manager does not allow to make any changes to projects. It's just about linking+unlinking projects to billing accounts

On the other hand, the single role "billing account user" does not grant any right to view projects. Even less likely to link them to any billing account. (see <https://cloud.google.com/iam/docs/job-functions/billing> "The Billing Account User role gives the service account the permissions to enable billing (associate projects with the organization's billing account for all projects in the organization) and thereby permit the service account to enable APIs that require billing to be enabled."). Thus A is not the correct answer.

The right answer is C, without any kind of doubt

upvoted 3 times

[Removed] 1 year, 11 months ago

Are you blind ? you posted link where its clearly stated in billing account user description: (associate projects with the organization's billing account for all projects in the organization)

So you literally posted link with clarification that answer A is correct.
answer C will give finance team additional permission to unlink billing account from projects and question clearly states that finance team should not be able to make any other changes to projects so C without any kind of doubt is wrong.

upvoted 4 times

izekc 1 year, 9 months ago

Billing Account User

Principal: Service account that is used for automating project creation.

It is for service account, so C is correct

upvoted 1 times

Jake500 1 year, 6 months ago

"Project Billing Manager does not allow to make any changes to projects. It's just about linking+unlinking projects to billing accounts"

Correct, but the problem states "... You do not want the engineering team to be able to link projects to the billing account." So in that case, wouldn't it be option A?

upvoted 1 times

fracila 1 year, 11 months ago

We are assigning the finance team the Billing Account User role on the billing account, which allows them to create new projects linked to the billing account on which the role is granted. We are also assigning them the Project Billing Manager role on the organization (trickles down to the project as well) which lets them attach the project to the billing account, but does not grant any rights over resources.

upvoted 4 times

Alaric_wk Most Recent 1 week, 5 days ago

You do not want the engineering team to be able to link projects to the billing account.

Think about this, the answer is clearly A

upvoted 1 times

nubelukita45852 1 month ago

Selected Answer: C

El rol de Usuario de cuenta de facturación permite al equipo de finanzas vincular proyectos a la cuenta de facturación, sin otorgarles otros permisos sobre la administración de proyectos.

El rol de Gerente de facturación del proyecto otorga al equipo de finanzas la capacidad de gestionar la facturación de proyectos individuales, pero no permite otros cambios a nivel de proyecto o de organización.

Esta combinación permite que solo el equipo de finanzas pueda vincular proyectos a la cuenta de facturación, cumpliendo con la política que el equipo de ingeniería no debe poder hacerlo.

upvoted 1 times

NMG264 4 months ago

Selected Answer: C

The Billing Account User role in GCP allows a user to view and manage billing accounts, but does not grant permissions to associate projects with billing accounts. The Project Billing Manager role is more focused on associating GCP projects with billing accounts.

upvoted 1 times

hankun 4 months, 2 weeks ago

Selected Answer: A

C is not good because in this link <https://cloud.google.com/billing/docs/how-to/billing-access>, the role Project Billing Manager allows "Link/unlink the project to/from a billing account". Unlink is not good in this situation.

upvoted 1 times

Nikki2424 5 months, 1 week ago

Selected Answer: C

When granted in combination with the Billing Account User role, the Project Billing Manager role allows a user to attach the project to the billing account, but does not grant any rights over resources.

upvoted 1 times

DWT33004 6 months, 1 week ago

Selected Answer: C

To achieve the desired level of access control, where only the finance team can link projects to the billing account while preventing them from making other changes to projects, you should follow these steps: C
Explanation:

Assigning the finance team the Billing Account User role on the billing account allows them to link projects to the billing account, which is necessary for managing billing.

Assigning the Project Billing Manager role on the organization to the finance team allows them to manage billing for projects

within the organization without granting them additional permissions to modify projects themselves. This approach ensures that the finance team has the necessary permissions to manage billing-related tasks while restricting their access to project management functionalities, such as creating or deleting projects, which are typically associated with the Project Creator role.

upvoted 1 times

shmoeeee 8 months ago

Answer is A. 100%. They are asking for Finance to ONLY be able to link projects to billing (not unlink, etc.). This role has the billing.resourceAssociations.create permission

Per documentation for Billing Account User:

"When granted in conjunction with the Project Owner role or Project Billing Manager role, provides access to associate projects with billing accounts."

<https://cloud.google.com/billing/docs/access-control#billing.user>

upvoted 1 times

PiperMe 7 months, 2 weeks ago

Negative, GhostRider. A has insufficient permissions. The Billing Account User role alone doesn't provide the ability to manage the billing association of projects within the organization.

upvoted 1 times

shmoeeee 8 months ago

*Answer is C. 100%

upvoted 2 times

b4b3160 8 months, 2 weeks ago

Selected Answer: C

Option C

As stated in docs - https://cloud.google.com/billing/docs/access-control#tbl_perm
projects.updateBillingInfo - >

Billing Account Administrator or Billing Account User, AND Project Billing Manager

upvoted 1 times

fdelacortina 9 months ago

Selected Answer: A

Option C is not correct because the Project Billing Manager role would give the finance team permissions to manage billing on projects, which is more access than you want to provide. The Billing Account User role is sufficient for the finance team to link projects to the billing account

upvoted 1 times

mohammedali2405 9 months, 3 weeks ago

Selected Answer: C

C is definitely the right answer here. "Cloud Billing Account User when granted in combination with the Project Billing Manager role, the two roles allow a user to link and unlink projects on the billing account on which the Billing Account User role is granted."

Source: <https://cloud.google.com/billing/docs/how-to/billing-access>

upvoted 1 times

LautaroBarone 9 months, 1 week ago

Yeah, with those roles the user is able to "link and unlink projects", but we are asked to give the financial team access to link only ONE project to a billing account (pay attention that doesn't say unlink, so it's not necessary) if you read the permissions of the billing account user in the link that you sent, you will see that this role can link a project to a billing account, that is just what we were asked to, so option A is correct.

upvoted 1 times

Zakialts 9 months, 3 weeks ago

I tried asking Bard from google and I got this:

Billing Account User: This role grants basic read-only access to billing information for a specific billing account. This ensures the finance team can see costs associated with projects but not modify any project details.

Project Billing Manager: This role allows linking projects to a billing account and managing billing settings for those projects. However, it doesn't grant broader project editing permissions like creating, deleting, or modifying resources within the project.

I think I'll go with option C

upvoted 2 times

ogerber 10 months, 3 weeks ago

Selected Answer: A

Option A is enough, <https://cloud.google.com/billing/docs/how-to/billing-access>

upvoted 1 times

thewalker 11 months ago

Selected Answer: C

As per the below, C is the correct answer: <https://cloud.google.com/billing/docs/how-to/billing-access#overview-of-cloud-billing-roles-in-cloud-iam>

upvoted 2 times

Linhtinh603 11 months ago

Selected Answer: C

C is correct as the finance team need roles/billing.projectManager to allow them to manage the billing for the project without granting them resource access.

D is incorrect because the finance team need to have Project Creator role or similar role to have resource access before use roles/billing.user to link project to billing account

Document: <https://cloud.google.com/billing/docs/how-to/billing-access#overview-of-cloud-billing-roles-in-cloud-iam>

upvoted 1 times

gsmasad 11 months, 3 weeks ago

Selected Answer: A

A is correct because the questions tricks you with the engineering team input, it doesn't need to perform anything on the engineering team

upvoted 1 times

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