Billing and Team Projects

Read through the following guide to learn how students who are working on a group project in Google Cloud can pool their individual coupons to fund a group project.

Approach #1: Small trustworthy groups

Approach #2: Any sized group
- Step 1: Share the project with the second account
- Step 2: Disable the existing billing account
- Step 3: Apply the new billing account

Share the project with the other account
Take over billing

Questions?

Approach #1: Small trustworthy groups

For small enough teams (three or fewer students), you can have everyone in the group give their coupon codes to one student. That student can apply up to three of these coupons to their billing account, create the group project, and then make their team members project owners.

While easy to manage, this approach has two disadvantages:

1. Students can no longer use credits for individual projects.
2. The group size is limited to three or less.

This approach also requires that all members of the group fully trust the person that they’re sharing their coupons with.

Approach #2: Any sized group

Another way to share the costs of a group project is to periodically exchange the billing account funding it. Each student can take a turn providing the billing account for the project.
However, keep in mind that a project can only have a single billing account associated with it at a time. To perform the switch, you’ll need to:

1. Share the project with the new account
2. Disable the existing billing account
3. Apply the new billing account

Read through the scenario below for more information on exchanging billing accounts between team members.

**Step 1: Share the project with the second account**

In this example, we’ll create two fictional students (pupil@school.edu and student@school.edu) who are working together on a group project. Each has received a coupon and applied it to their individual accounts.

Suppose pupil@school.edu creates the project and selects their billing account to fund the project. Once the account starts to run low (or whenever the students decide) their partner, student@school.edu, can use their billing account to continue the project.

To do this, navigate to the console of pupil@school.edu and open the main menu:

From there, select IAM & Admin:
Then, select **ADD** at the top of the page:
Enter the second email address (student@school.edu) and give them Owner permissions:

![Image of Google Cloud console showing Add members and permissions settings]

Click the button labeled “Add”, and student@school.edu will receive an email message asking them to accept the project. Once accepted, they'll be added as an Owner. It's worth noting that not only can projects have multiple owners, but it's actually considered a best practice for a project to have multiple owners.

**Step 2: Disable the existing billing account**

Remember, a project can only have a single billing account associated with it at any given time. If pupil@school.edu has already added Billing Account for this project, they must disable it from the Google Cloud Console.

To do so, first select Billing from the main menu:
Then, find the group project, click the tricolon icon (⋮) to the right, and select **Disable billing**:

![Google Cloud Platform menu with Billing highlighted]

**Projects linked to this billing account**

<table>
<thead>
<tr>
<th>Project name</th>
<th>Project ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>My First Project</td>
<td>supple-century-154721</td>
</tr>
</tbody>
</table>

![Options for disabling billing]

**Step 3: Apply the new billing account**

Once student@school.edu has accepted ownership of the project and pupil@school.edu has disabled his billing account, all the team needs to do is apply the new billing account.

Do so by selecting **Billing** from the main menu. Then, find the group project, click the tricolon icon (⋮) next to its name, and choose **Change billing account** from the menu that appears.

**Questions?**

For specific questions about billing accounts, feel free to get in touch by emailing us at: CloudEduGrants@google.com