

How to Create New Projects in GCP

Accessed from: https://cloud.google.com/resource-manager/docs/creating-managing-projects?authuser=3#managing_project_quotas

Google Cloud projects form the basis for creating, enabling, and using all Google Cloud services including managing APIs, enabling billing, adding and removing collaborators, and managing permissions for Google Cloud resources.

This page explains how to create and manage Google Cloud projects using the Google Cloud Console.

The following are used to identify your project:

- **Project name:** A human-readable name for your project.

The project name isn't used by any Google APIs. You can edit the project name at any time during or after project creation. Project names do not need to be unique.

- **Project ID:** A customizable unique identifier for your project.

The project ID is a unique, user-assigned ID that can be used by Google APIs. If you do not specify a project ID during project creation, a project ID is assigned automatically.

The project ID must be a unique string of 6 to 30 lowercase letters, digits, or hyphens. It must start with a letter, and cannot have a trailing hyphen. You cannot change a project ID once it has been created. You cannot re-use a project ID that is in use, or one that has been used for a deleted project.

Some words are restricted from use in project IDs. If you use restricted words in the project name, such as google or ssl, the generated project ID excludes these words.

- **Project number:** An automatically generated unique identifier for your project.

The project number and project ID are unique across Google Cloud. **If another user owns a project ID for their project, you won't be able to use the same project ID. You can't reuse the project ID of a deleted project.**

Creating a project

Overview

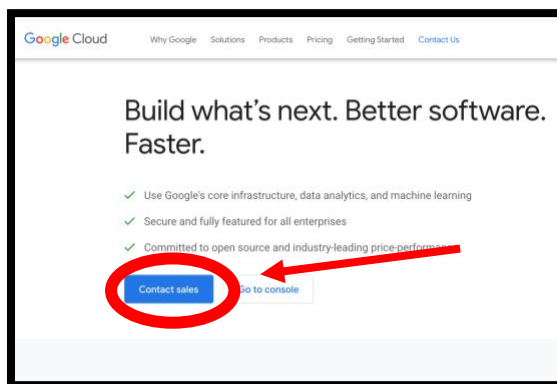
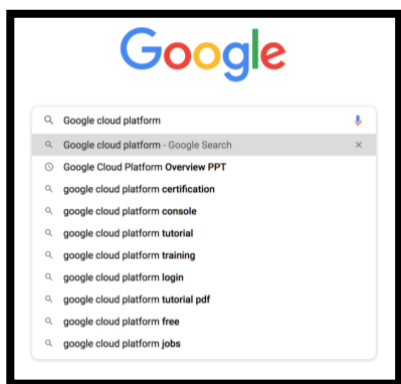
Before creating a new project, the user should have a Google account or Google Gmail account at hand. If not, the user should create a new one before proceeding.

IMPORTANT NOTES:

- While selecting the username for the Google account, the user should make it as ONLY ONE word. For example: JohnSmith, Jsmith, etc.
- The user should avoid using the dot '.' in the username even though it is allowed in Gmail account username. For example, John.Smith.
- A dot '.' inside a username would cause serious problems if the user tried to access the contents of virtual machines using Linux command lines.

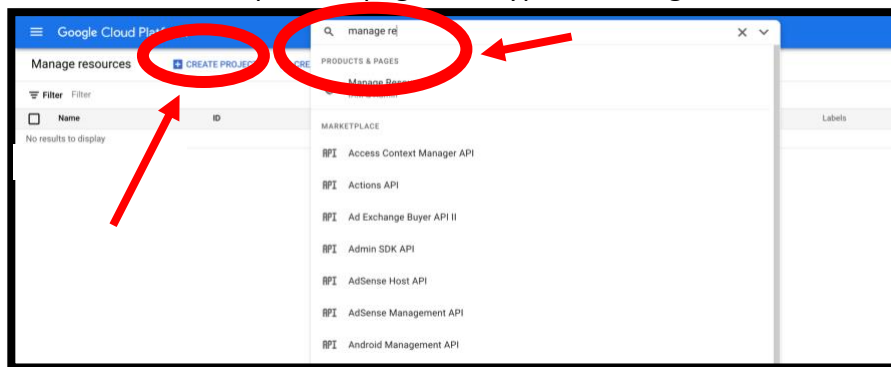
Step 1: Access Google Cloud Platform (GCP) Console

- Open Chrome browser & login the Gmail account
- Open another Chrome window & search for Google Cloud Console
- Click on "Go to Console"



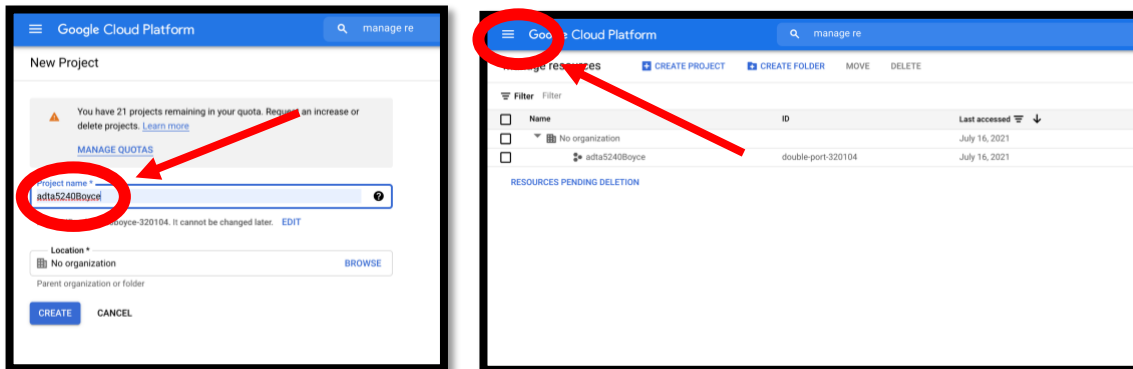
Step 2: Create a New Project

A. Go to the top of the page and type in Manage Resources in the search bar.

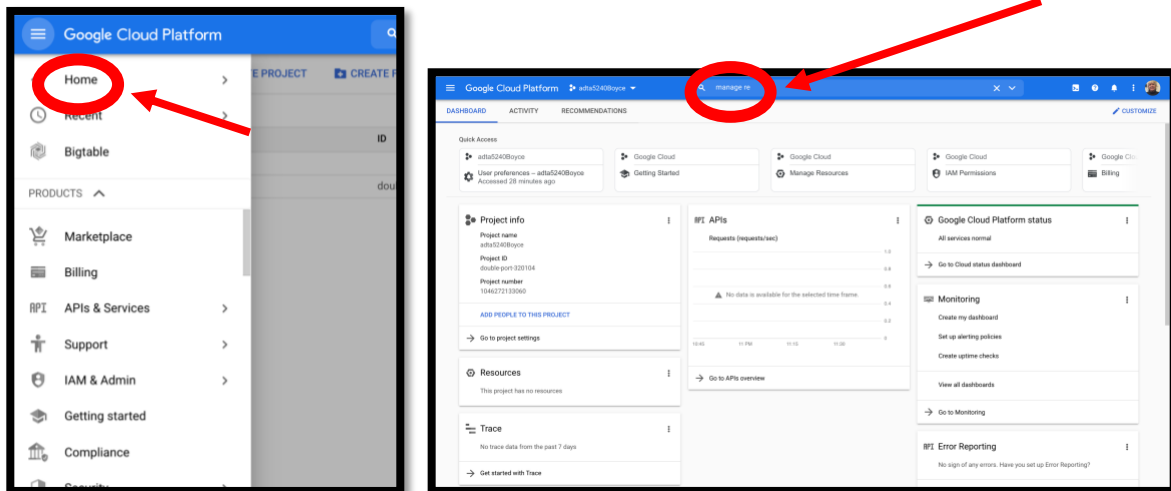


B. Click on "+ CREATE PROJECT"

- C. Enter Name in Project Name: I have entered adta5240Boyce but you can enter any project name you would like.
- D. Click “CREATE”



- E. You should see something like the screenshot on the right. You should see the newly created project name.
- F. Click the Navigation Menu (3 horizontal bars on the top left corner) to open the menu.
- G. Click “Home”
- H. You should see the name of your new project at the top of the home page. If you have worked in the past with GCP, be sure you use the correct project. If you need to switch projects, click on the chevron where the arrow is pointing on the right side of the page.



THE NEW PROJECT HAS BEEN CREATED SUCCESSFULLY.

IMPORTANT NOTES:

- The student needs to create only one project for the class and use it from the start until the end of the semester.
- The student can name his/her project as he/she wants, following the project-naming rules of GCP.

- The student does not have to name his/her project using the project name shown in class materials.
- When the steps of a task are discussed, if a project name is shown in some pictures, the project name has nothing to do with the steps of the task. It means that the same steps should be done no matter what the project name is.
- It is likely that different pictures included in various documents show different project names. The student should only focus on the steps that need to be done and ignore the project name.

IMPORTANT NOTE: Write down the Project name and Project ID. You will need it later on.