Creating a Project on Google Cloud Platform

This is the most important part of this course. We'll learn how to make our website live on GCP.

We'll cover the following

At this point, we have all our tools in place. We have acquired a domain name and discussed various web hosting plans. The course has also introduced us to SSH and code deployment via Git.

All we have to do now is make our website live! For this purpose, we will be using the Google Cloud Platform (GCP) since it is very relevant in modern times and is fairly easy to use. Let's look at the steps we need to follow to deploy a simple website.

Signing Up

Go to the Google Cloud homepage and sign up for a free trial. It will ask us for our basic information along with a payment method. Don't worry. Google will not charge us after the free trial ends unless we specify that we'll be using the service in the future:

Access to all Cloud Platform Products

Get everything you need to build and run your apps, websites and services, including Firebase and the Google Maps API.

$300 credit for free

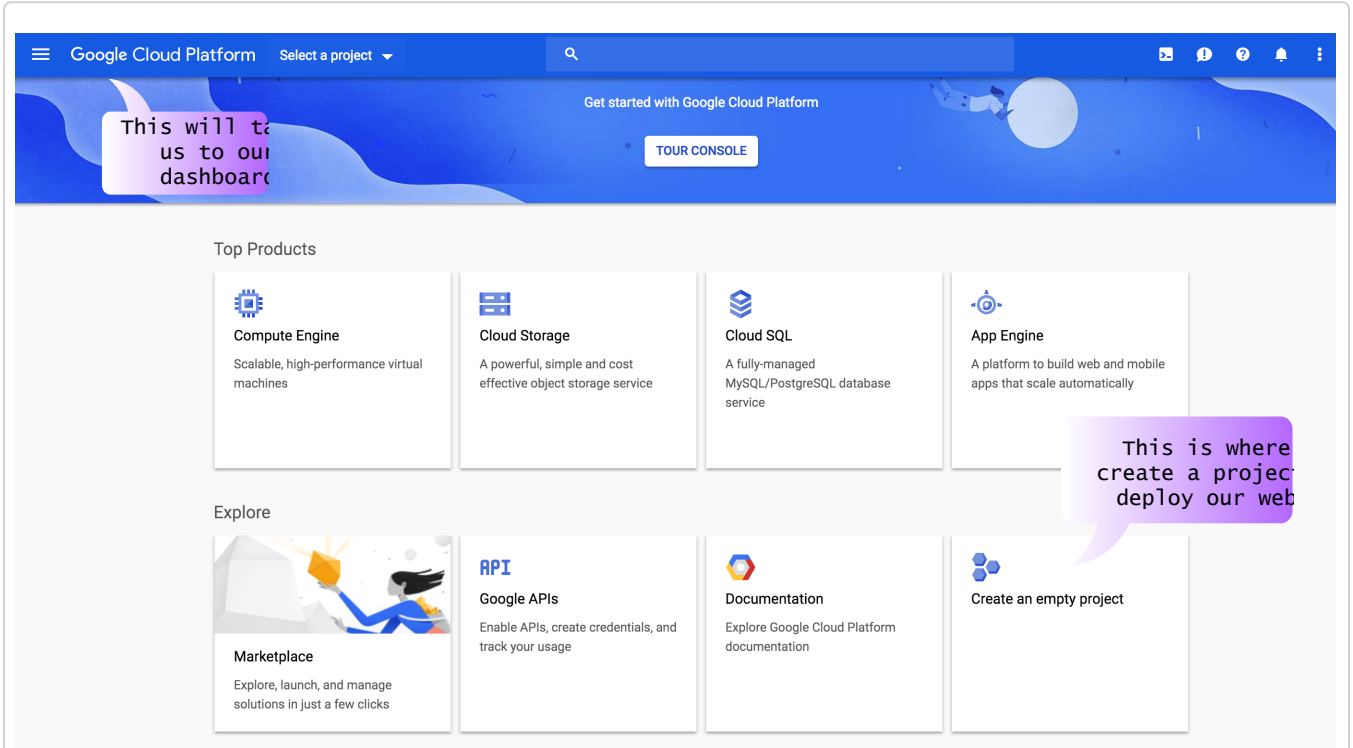
Sign up and get $300 to spend on Google Cloud Platform over the next 12 months.

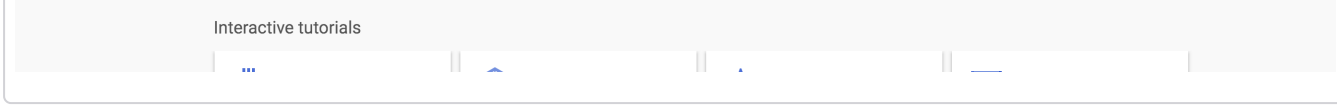
No autocharge after free trial ends

We ask you for your credit card to make sure you are not a robot. You won't be charged unless you manually upgrade to a paid account.

Getting Started

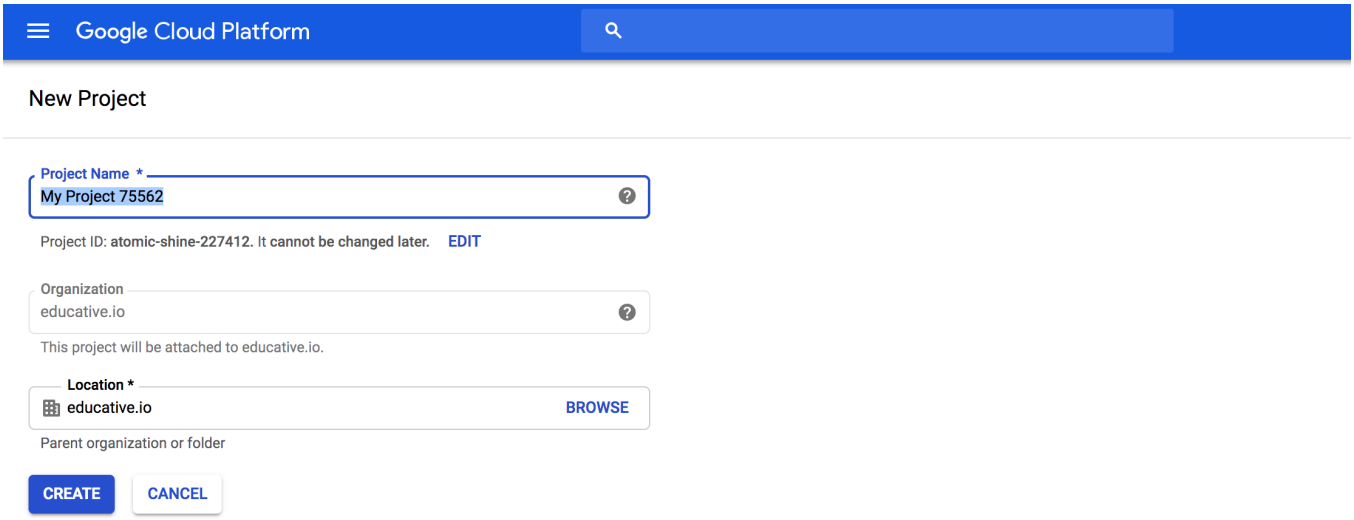
After signing up, we will be taken to the **Getting Started** page:





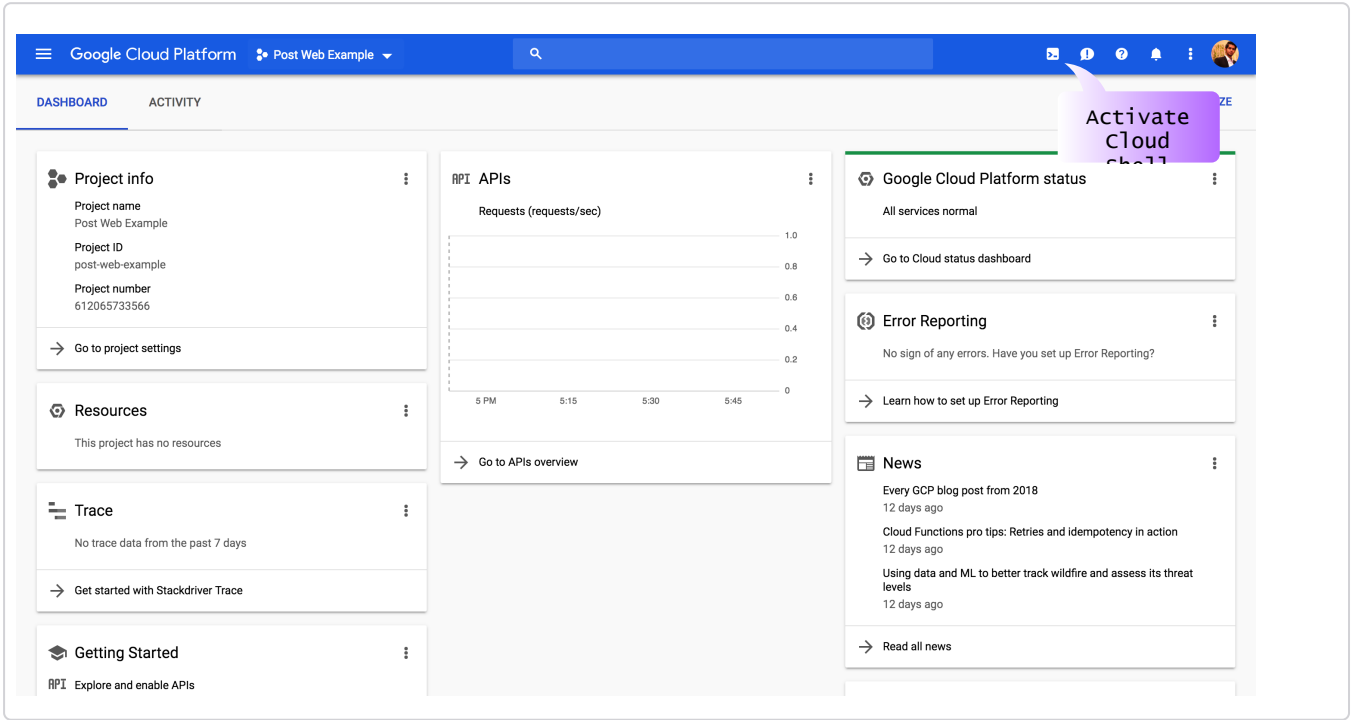
Here, we can take a tutorial about how things work and we can check out some of the tools available to us. To create a new project (on which we will deploy our website), click on **Create an empty project** from the **Explore** section in the screen above or click on **Select a project** in the top bar.

By pressing the **NEW PROJECT** button, we will be directed to this screen:



All we have to do is name our project and choose the location/folder where we want to put it.

It will take a few moments for the project to be created, after which the dashboard for this project will be displayed:



The dashboard (control panel) contains several widgets which help us

The dashboard (control panel) contains several widgets which help us maintain our website and a lot resources to it appropriately. The hamburger

icon at the top left corner allows us to explore even more widgets.

The icon labelled as “Activate Cloud Shell” in the image above will open up the **Google Cloud Shell**. This is Google’s own form SSH and can be used to communicate with our server. We’ll come back to this later.

Now that our project has been created, we must allocate resources to it so that we can deploy our website. This can be done by creating a **VM instance**. Let’s figure out how to do this in the next lesson.