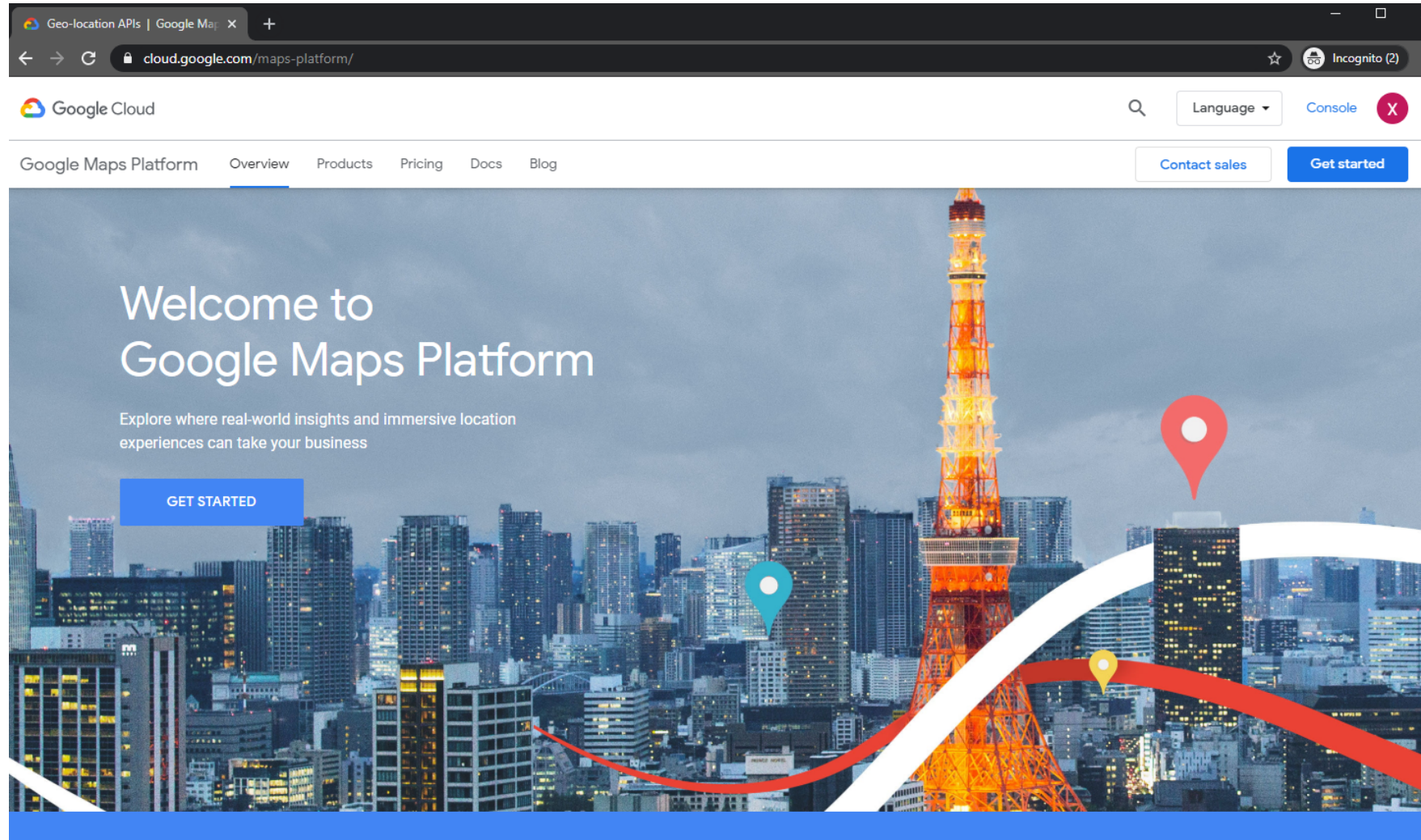
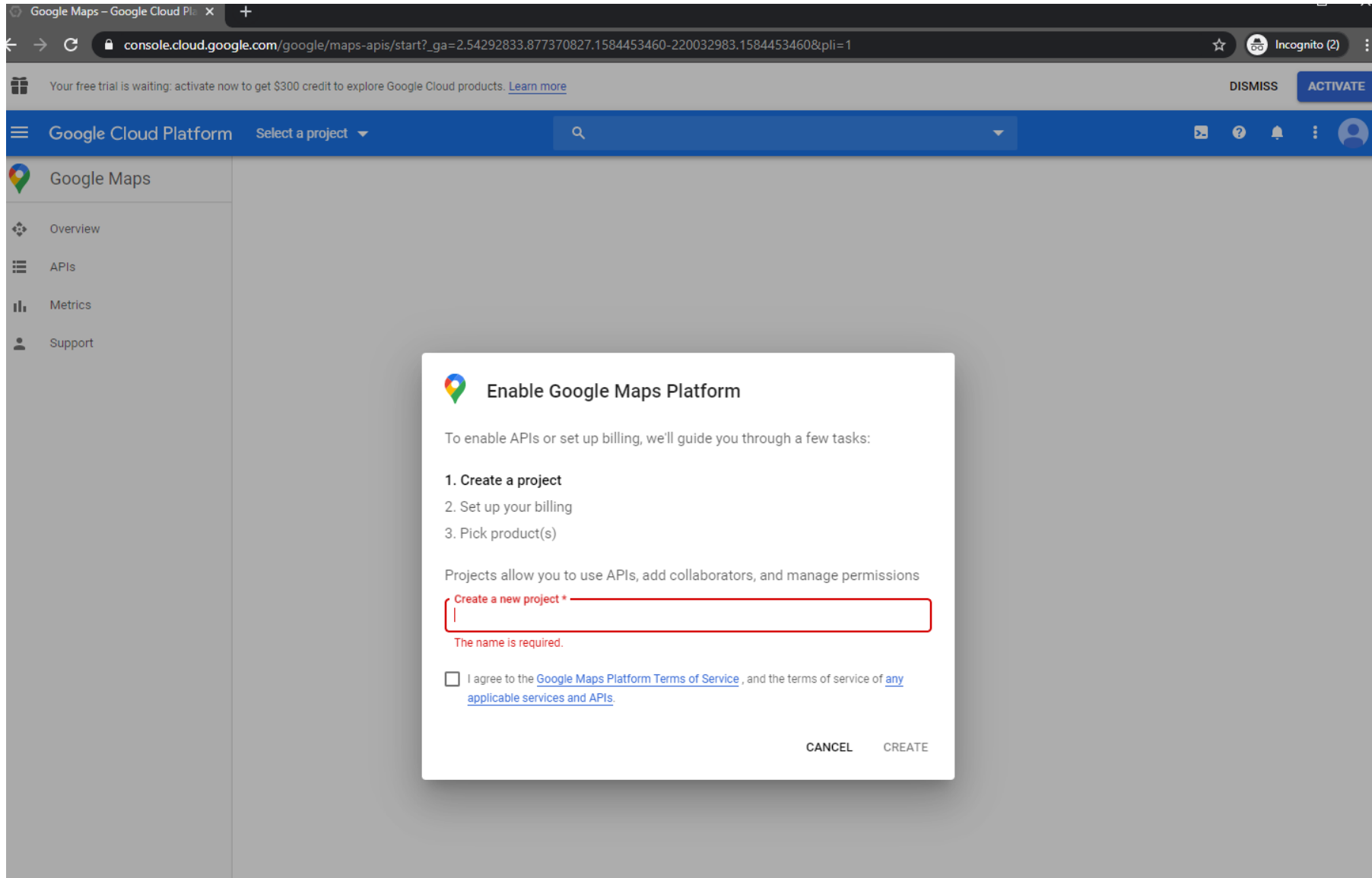


Start by logging into your google account and going to: [cloud.google.com/maps-platform](https://cloud.google.com/maps-platform)



Choose a project name, you might just want to go with something like: DSI\_EDA, then click agree, and hit create



The screenshot shows the Google Cloud Platform console interface. At the top, there's a navigation bar with the Google Cloud Platform logo, a search bar, and a 'Select a project' dropdown. Below this is a sidebar with navigation links: Overview, APIs, Metrics, and Support. The main content area is a light gray. A modal dialog box titled 'Enable Google Maps Platform' is centered on the screen. The dialog contains the following text:

**Enable Google Maps Platform**

To enable APIs or set up billing, we'll guide you through a few tasks:

1. Create a project
2. Set up your billing
3. Pick product(s)

Projects allow you to use APIs, add collaborators, and manage permissions

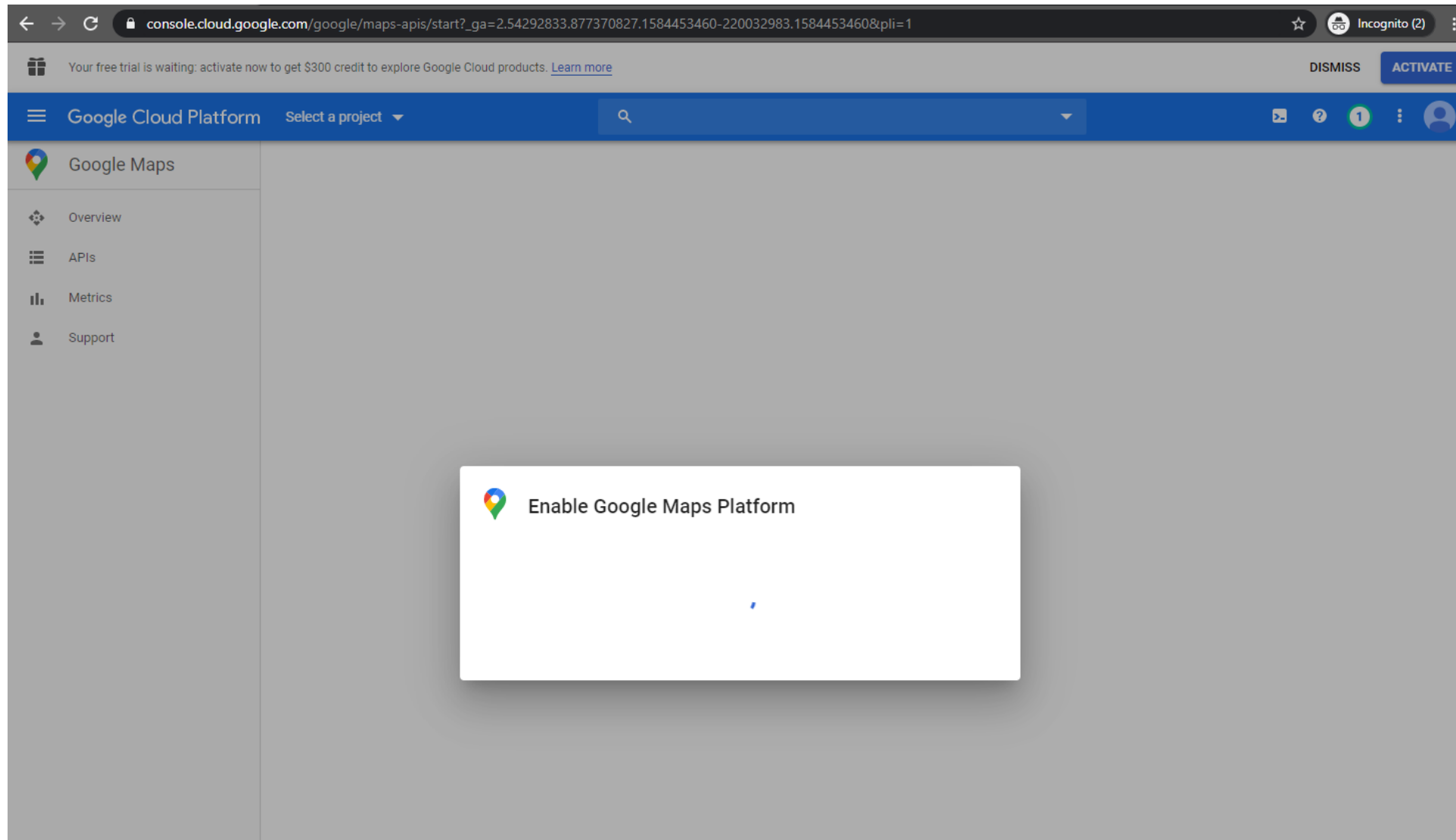
Create a new project \*

The name is required.

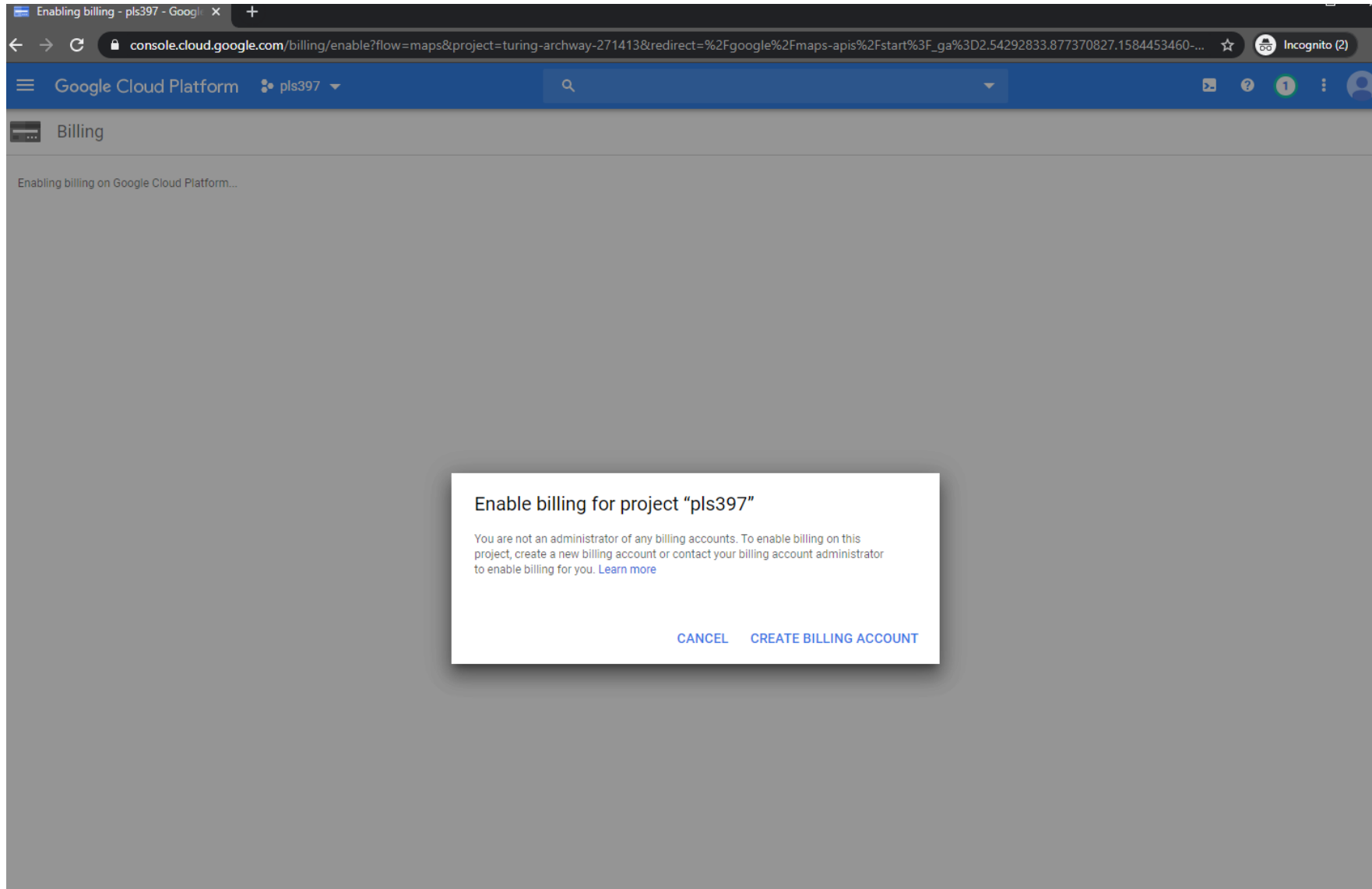
☐ I agree to the [Google Maps Platform Terms of Service](#), and the terms of service of [any applicable services and APIs](#).

CANCEL CREATE

This may take some time ... have patience



Next google will ask you for credit card info, go to create billing account



Next pick United States as your country and click on the terms of service box (def take a read through first), then click continue

Try Google Cloud Platform for free

### Step 1 of 2

**Country**

United States ▼

**Terms of Service**

☒ I have read and agree to the [Google Cloud Platform Free Trial Terms of Service](#).

Required to continue

**CONTINUE**

**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.

Fill in address for credit card etc, notice that you're going to get \$300 credit for free, unless you start downloading tens of thousands of maps, this should more than cover you for the class



Step 2 of 2 – Free Trial – pls397 – x +

console.cloud.google.com/freetrial/signup/billing/US?project=turing-archway-271413&redirectPath=%2Fgoogle%2Fmaps-apis%2Fstart%3F\_ga%3D2.54292833.877370827.15844534... ☆ Incognito (2)


Try Google Cloud Platform for free

## Step 2 of 2

**Customer info**

 Account type ⓘ 

Individual

 Name and address ⓘ

Name

Address line 1

Address line 1 is required

Address line 2

City

City is required

State

State is required

ZIP code

ZIP code is required ⓘ

Phone number (optional)

**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.

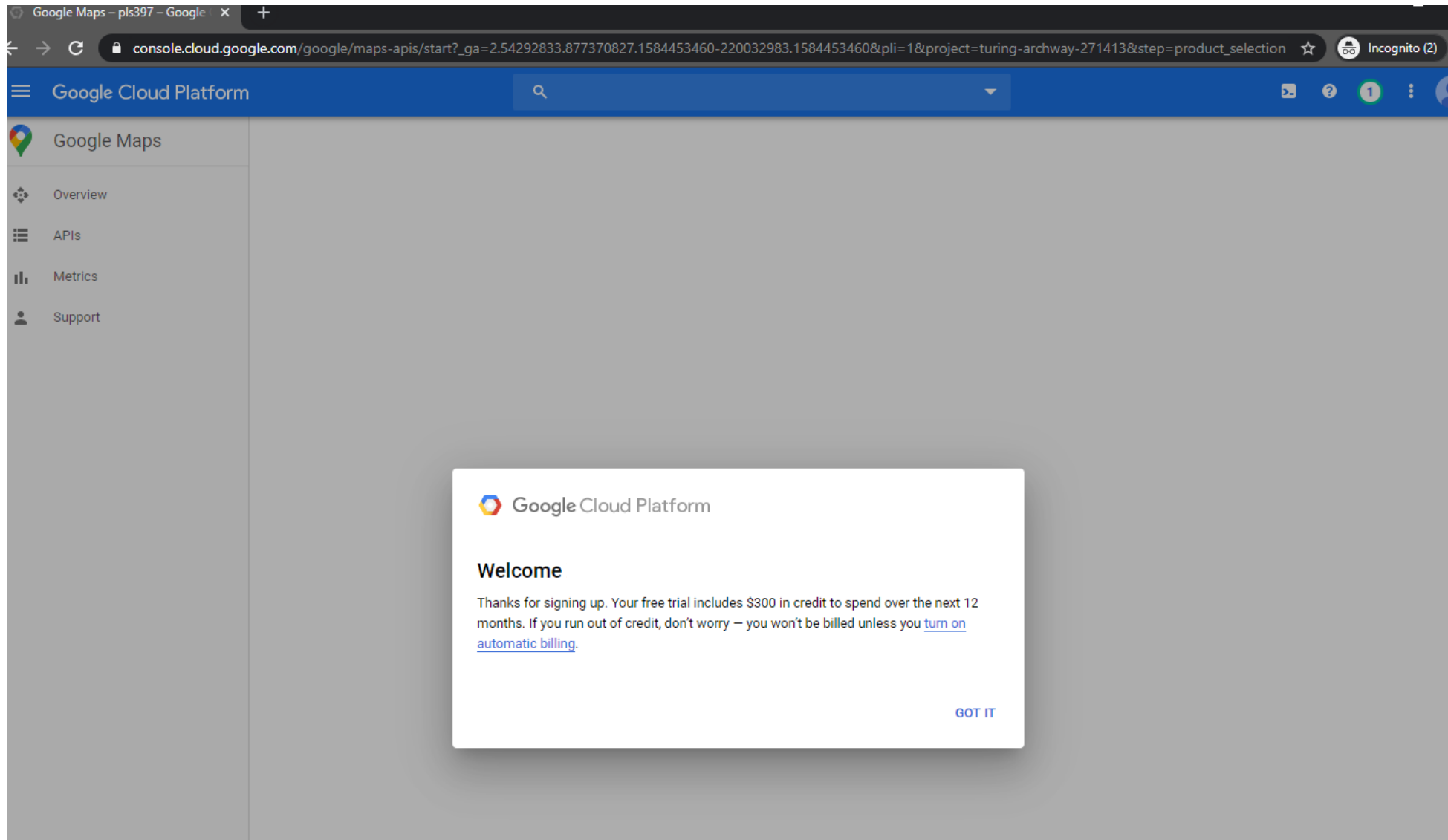
**\$300 credit for free**

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

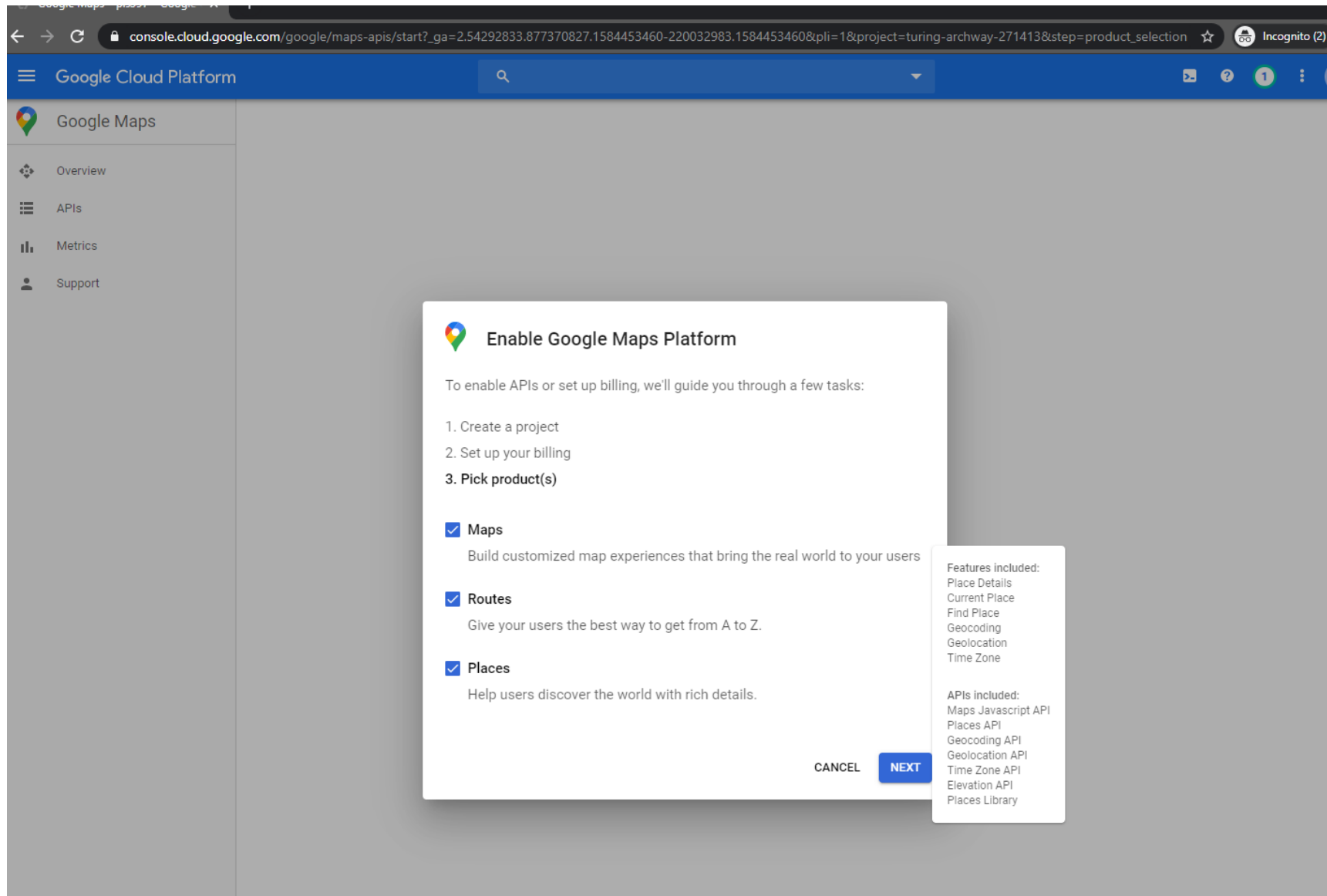
**No autocharge after free trial ends**

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.

Now you'll be greeted by a welcome box



Now click on the boxes next to maps, routes, and place and then click next





Pick an industry, up to you

Google Maps - pls397 - Google

console.cloud.google.com/google/maps-apis/start?\_ga=2.54292833.877370827.1584453460-220032983.1584453460&pli=1&project=turing-archway-271413&step=product\_selection

Incognito (2)

Google Cloud Platform

Google Maps

Overview

APIs

Metrics

Support

### Enable Google Maps Platform

Before enabling APIs, answer two questions to help us serve you better

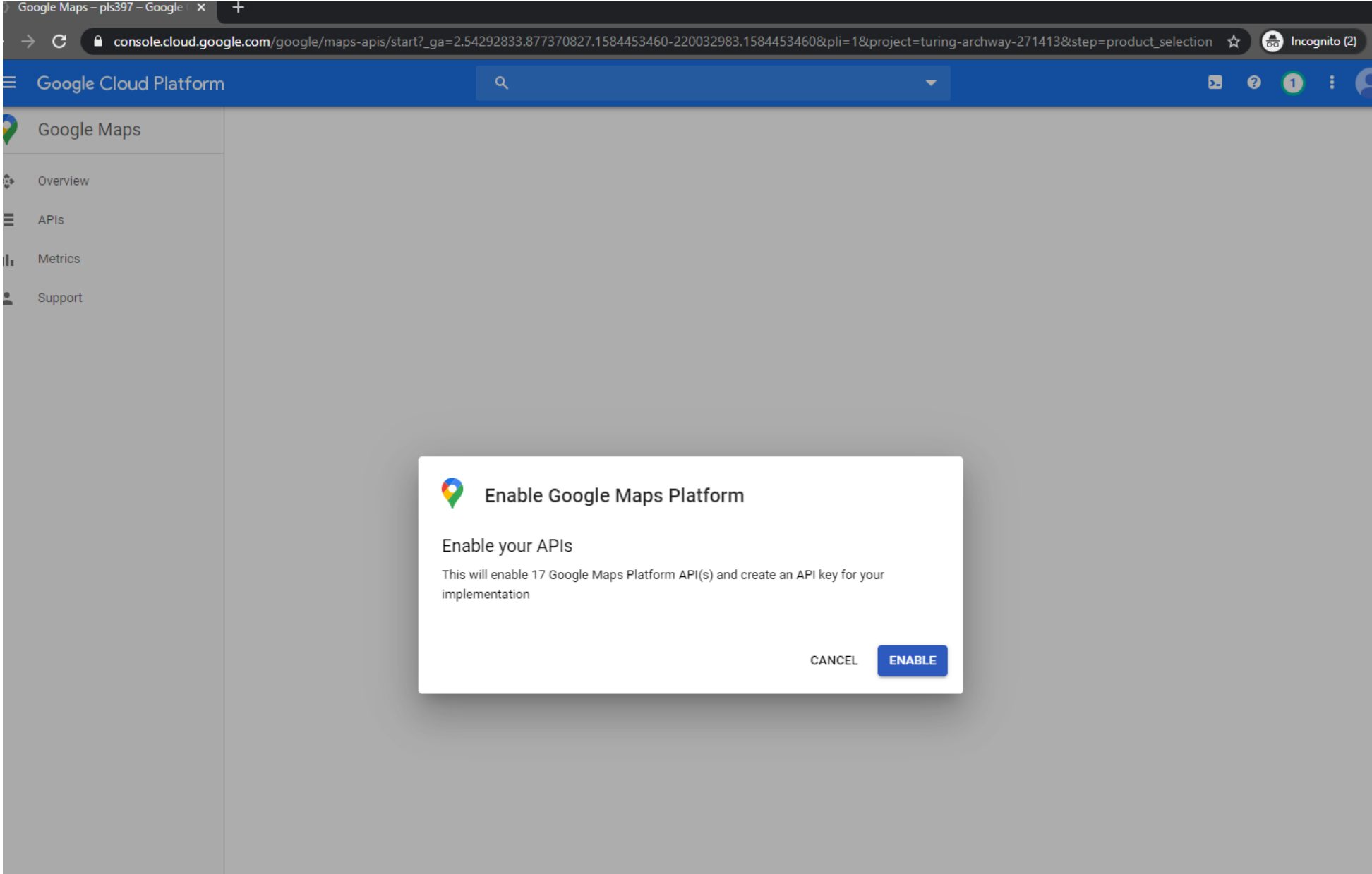
1 Which of the following industries are you in?

Check all that apply \*

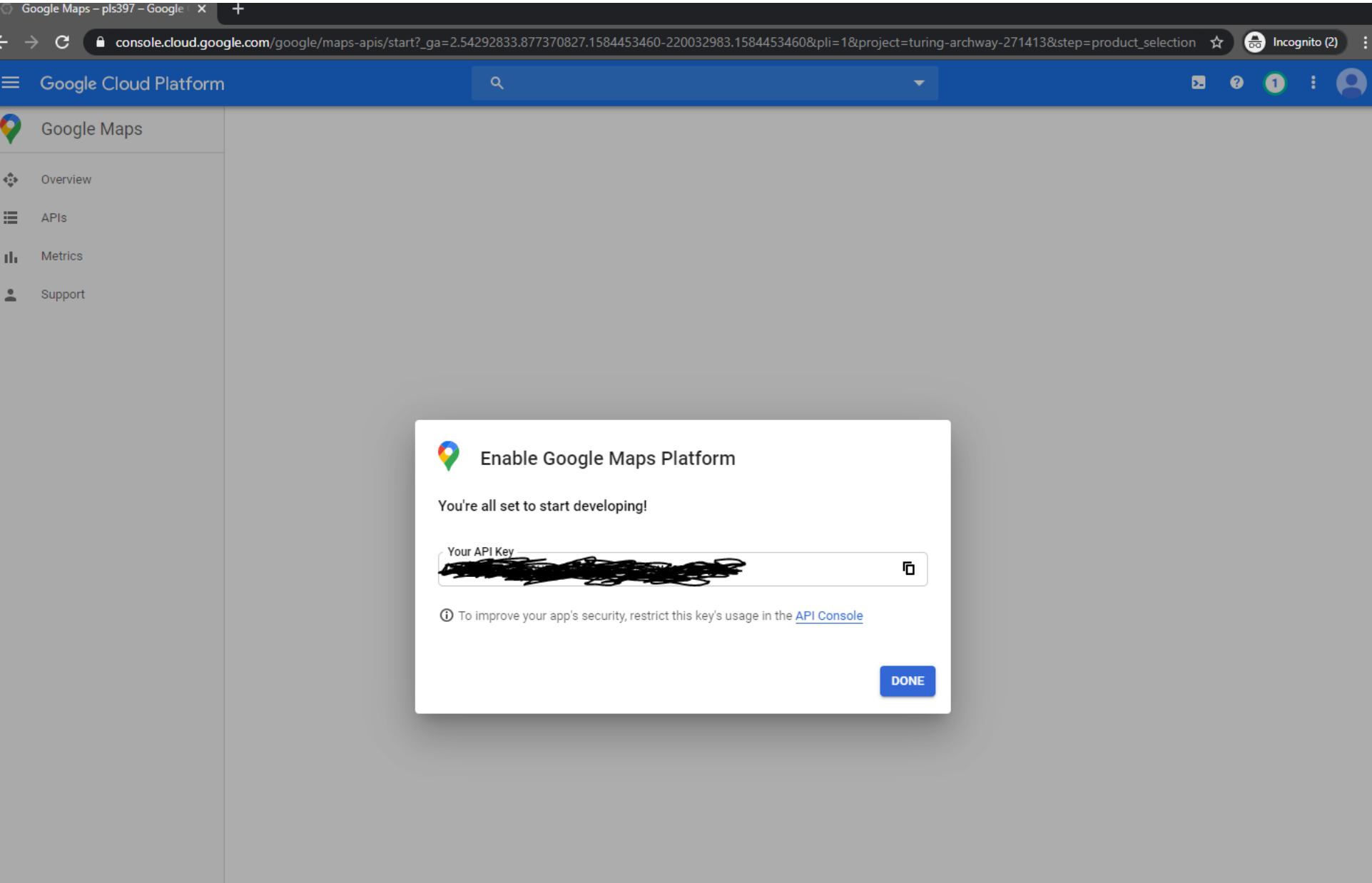
- ☐ Education
- ☐ Energy & Utilities
- ☐ Enterprise Hardware & Electronics
- ☐ Enterprise Software & Services
- ☐ Fast Moving Consumer Goods
- ☐ Financial Services
- ☐ Transportation and Logistics
- ☐ Gaming

2 What is your primary use case for Google Maps Platform?

Now click on the enable button



Now you'll get your API key, save this, you'll need it everytime you start a new R session where you want to download a map from Google



Now provide R the API key google gave, you copy and paste it in place of 'yourAPIkey', make sure to keep the quotes  
You'll need to do this everytime you want to get a map from the ggmap package

```
45  
46 ~~~{r}  
47 register_google('yourAPIkey')  
48  
49 ngaLines = ggmap::get_map(  
50   location='Nigeria',  
51   zoom=6,  
52   maptype='toner-lines' )  
53  
54 lansingRaster = get_map(  
55   location='East Lansing',  
56   maptype='roadmap', zoom=15
```