

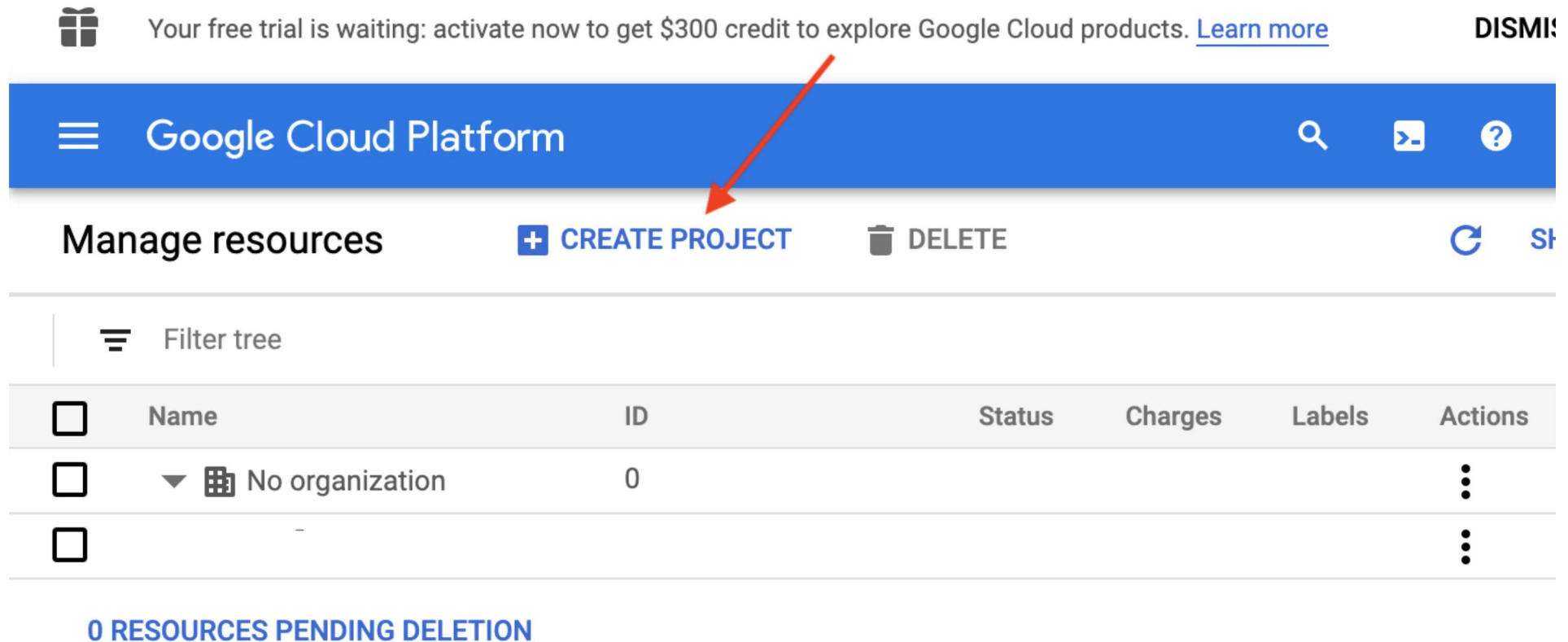
Google Project Setup with new UI

In the upcoming lecture, we will be going through the steps to create a new Google Project. Since the UI has changed, we have provided screenshots with the steps needed to create the project and obtain the Client Id and Client Secret.

1. Go to the **Google Project Dashboard**:

<https://console.cloud.google.com>

2. Click the **CREATE PROJECT** button



The screenshot shows the Google Cloud Platform console interface. At the top, there is a blue header bar with the Google Cloud Platform logo and navigation icons. Below the header, there is a section titled 'Manage resources' with a '+ CREATE PROJECT' button highlighted by a red arrow. To the right of the button is a 'DELETE' button with a trash icon. Below this section, there is a table with columns: Name, ID, Status, Charges, Labels, and Actions. The table contains one row with the text 'No organization' and an ID of '0'. Below the table, there is a blue text label '0 RESOURCES PENDING DELETION'.

Your free trial is waiting: activate now to get \$300 credit to explore Google Cloud products. [Learn more](#) **DISMISS**

**Google Cloud Platform**

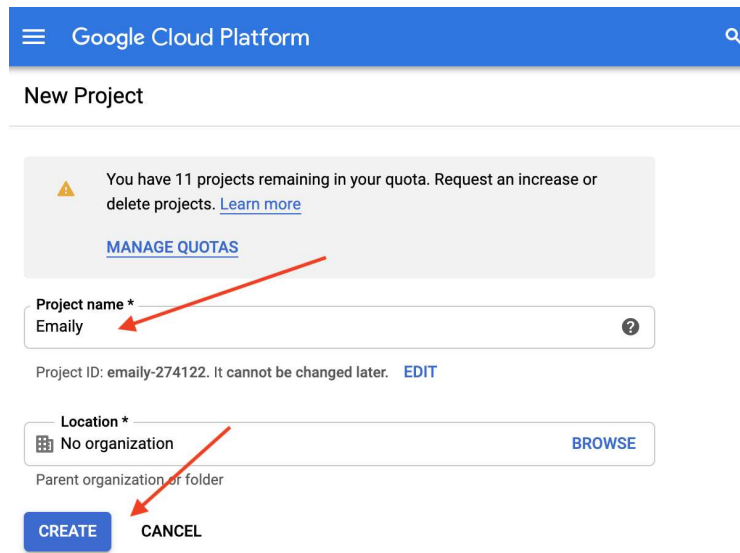
**Manage resources** **+ CREATE PROJECT** **DELETE**

Filter tree

<input type="checkbox"/>	Name	ID	Status	Charges	Labels	Actions
<input type="checkbox"/>	▼  No organization	0				⋮
<input type="checkbox"/>	-					⋮

**0 RESOURCES PENDING DELETION**

3. Name the project and click the **CREATE** button



Google Cloud Platform

## New Project

You have 11 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name \*  
Emaily

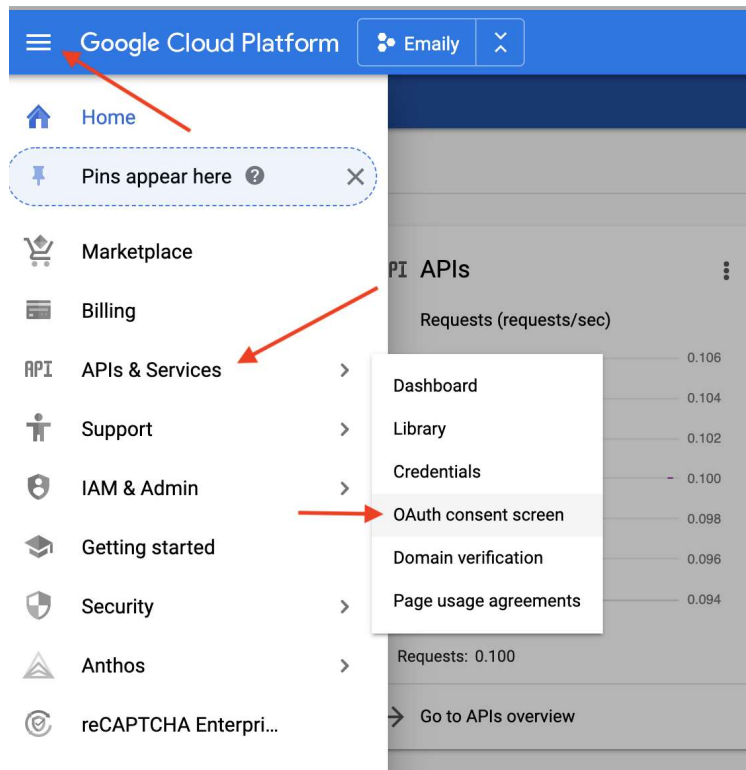
Project ID: emaily-274122. It cannot be changed later. [EDIT](#)

Location \*  
No organization

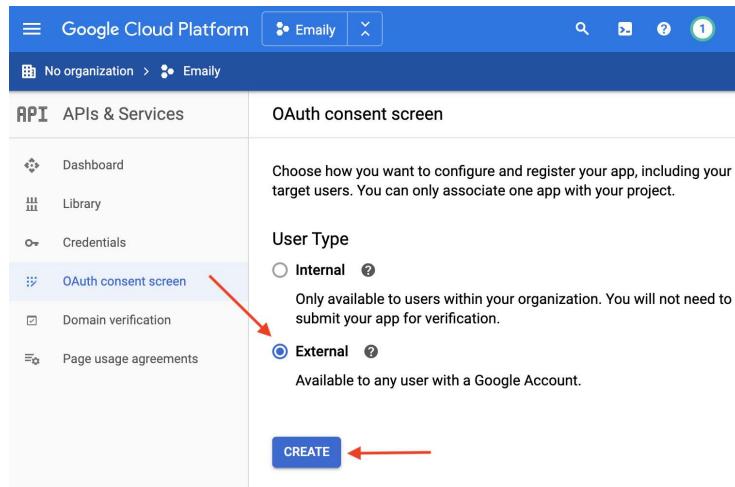
Parent organization or folder

[CREATE](#) [CANCEL](#)

4. Click the menu button, select **APIs & Services**, then **OAuth Consent Screen**



5. Select **External** and click the **CREATE** button



6. Fill out the **App Name** field. Then, add your email address to the **User support email** field.

## App information

This shows in the consent screen, and helps end users know who you are and contact you

App name \*

Emaily

The name of the app asking for consent

User support email \*

For users to contact you with questions about their consent

App logo

[BROWSE](#)

Upload an image, not larger than 1MB on the consent screen that will help users recognize your app. Allowed image formats are JPG, PNG, and BMP. Logos should be square and 120px by 120px for the best results.

## App domain

Scroll to the bottom under **Developer contact information** and add again your email address. Click the **SAVE AND CONTINUE** button. No other info should be filled out on the consent screen at this time.

## Authorized domains

When a domain is used on the consent screen or in an OAuth client's configuration, it must be pre-registered here. If your app needs to go through verification, please go to the [Google Search Console](#) to check if your domains are authorized. [Learn more](#) about the authorized domain limit.

[+ ADD DOMAIN](#)

## Developer contact information

Email addresses \*

These email addresses are for Google to notify you about any changes to your project.

[SAVE AND CONTINUE](#)

[CANCEL](#)

7. Click **Credentials** in the sidebar and then click the **CREATE CREDENTIALS** button

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**API** APIs & Services

- Dashboard
- Library
- Credentials**
- OAuth consent screen
- Domain verification
- Page usage agreements

**Credentials** + CREATE CREDENTIALS DELETE

Create credentials to access your enabled APIs. [Learn more](#)

**API Keys**

<input type="checkbox"/>	Name	Creation date ↓	Restrictions	Key
No API keys to display				

**OAuth 2.0 Client IDs**

9. Select **OAuth client ID**

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APIs & Services

Credentials

+ CREATE CREDENTIALS

DELETE

Dashboard

Library

Credentials

OAuth consent

Domain verification

Page usage aggregation

API key

Identifies your project using a simple API key to check quota and access

OAuth client ID

Requests user consent so your app can access the user's data

Service account

Enables server-to-server, app-level authentication using robot accounts

Help me choose

Asks a few questions to help you decide which type of credential to use

No API keys to display


10. Select **Web Application** and fill out the **Authorized JavaScript origins**, **Authorized redirect URIs**, and click the **Create** button.


Authorized JavaScript Origins:




**http://localhost:5000**

Authorized redirect URI

**http://localhost:5000/auth/google/callback**

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## Create OAuth client ID

For applications that use the OAuth 2.0 protocol to call Google APIs, you can use an OAuth 2.0 client ID to generate an access token. The token contains a unique identifier. See [Setting up OAuth 2.0](#) for more information.

### Application type

- ☒ Web application 
- ☐ Android [Learn more](#)
- ☐ Chrome App [Learn more](#)
- ☐ iOS [Learn more](#)
- ☐ Other

### Name

### Restrictions

Enter JavaScript origins, redirect URIs, or both [Learn More](#)

Origins and redirect domains must be added to the list of Authorized Domains in the [OAuth consent settings](#).

#### Authorized JavaScript origins

For use with requests from a browser. This is the origin URI of the client application. It can't contain a wildcard ([https://\\*.example.com](https://*.example.com)) or a path (<https://example.com/subdir>). If you're using a nonstandard port, you must include it in the origin URI.



Type in the domain and press Enter to add it

### Authorized redirect URIs

For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.



Type in the domain and press Enter to add it

Create

Cancel

**Note!** Google has made a number of changes to the OAuth credential's restrictions, and no longer allows wildcards in the redirect URI field. If you follow along with the upcoming video lecture you will get this error: *Invalid Redirect: cannot contain a wildcard (\*)*

Since the main goal of using `http://localhost:5000/*` was to show the redirect error a few lectures later, we entered the correct redirect as shown above since this is what it will be changed to anyway.

**11. Copy your Client ID and Client Secret in a safe place so you can use them in your application in a future lecture.** (ID and Secret were redacted from the screenshot)

The screenshot shows the Google Cloud Platform console interface. At the top, there's a blue header with the Google Cloud Platform logo, a hamburger menu, and a button labeled 'Emailly' with a close icon. Below the header, a dark blue bar indicates 'No organization' and 'Emailly'. The main content area is divided into two sections: 'APIs & Services' on the left and 'Credentials' on the right. The 'APIs & Services' section has a sidebar with links to 'Dashboard', 'Library', 'Credentials' (highlighted), 'OAuth consent screen', 'Domain verification', and 'Page usage agreement'. The 'Credentials' section has a '+ CREATE CREDENTIALS' button and a 'DELETE' button. Below these buttons, it says 'Create credentials to access your enabled APIs. [Learn more](#)'. A modal dialog is open in the center, titled 'OAuth client created'. It contains the text: 'The client ID and secret can always be accessed from Credentials in APIs & Services'. Below this, there's an information icon and a message: 'OAuth is limited to 100 [sensitive scope logins](#) until the [OAuth consent screen](#) is published. This may require a verification process that can take several days.' At the bottom of the modal, there are two input fields: 'Your Client ID' and 'Your Client Secret', each with a copy icon to its right. On the right side of the console, a table is partially visible with columns 'Key' and 'Value'. The first row shows 'Client ID' with the value '384828'.

Google Cloud Platform

Emailly

No organization > Emailly

APIs & Services

Credentials

+ CREATE CREDENTIALS

DELETE

Dashboard

Library

Credentials

OAuth consent screen

Domain verification

Page usage agreement

Create credentials to access your enabled APIs. [Learn more](#)

## OAuth client created

The client ID and secret can always be accessed from Credentials in APIs & Services

**i** OAuth is limited to 100 [sensitive scope logins](#) until the [OAuth consent screen](#) is published. This may require a verification process that can take several days.

Your Client ID

Your Client Secret

Key

Client ID

384828

OK

Email

Name ↑

Usage with all services (last 30 days)

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