

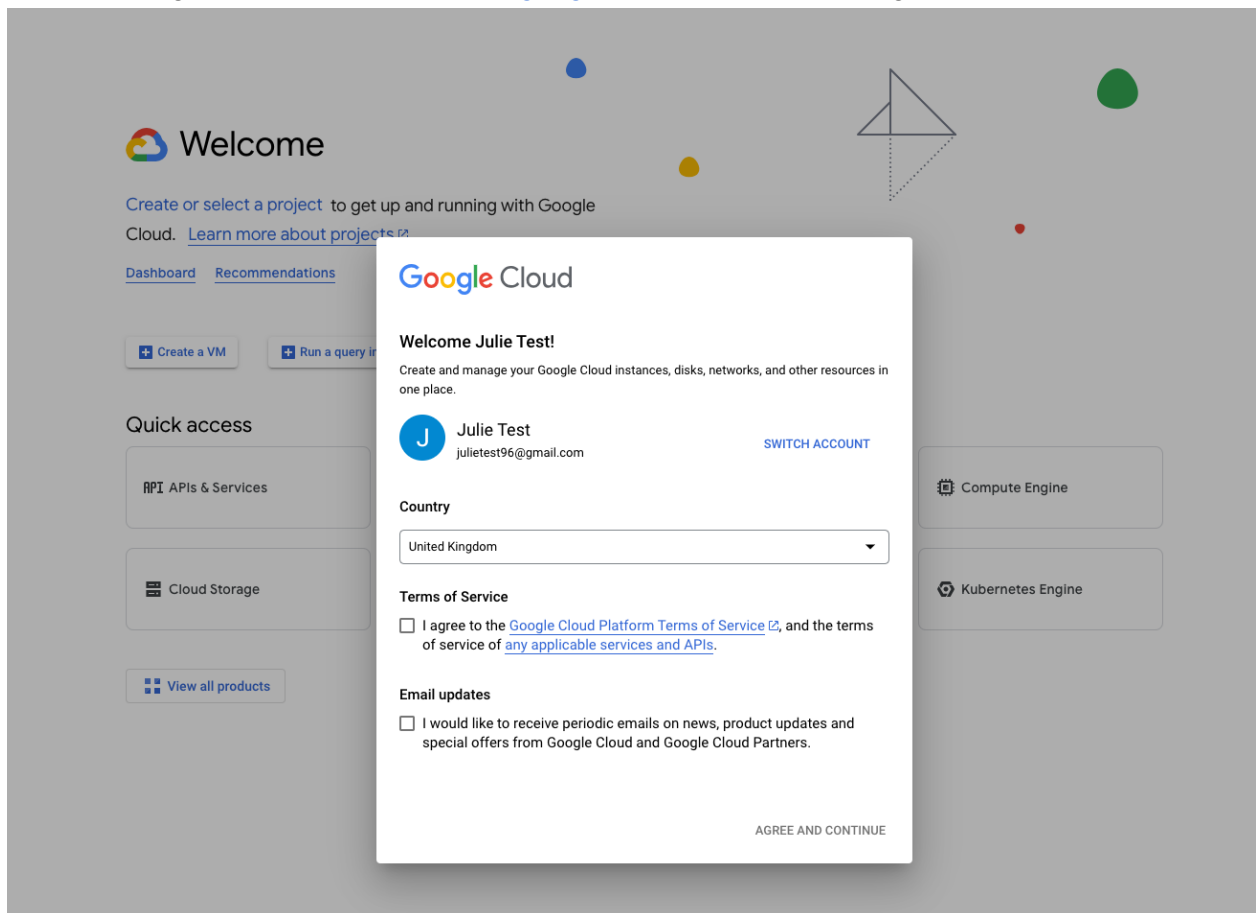
Setup for Friend-Up-Your-Cash-App-Game

Create a Free Google Account

1. Create a google account [here](#) (if you don't already have one)


Create Free Google Cloud Platform Account

1. In a new tab go to <https://console.cloud.google.com/> and the following pop-up occur




Then in the top left, click on **Select a project > new project**


New Project

 You have 12 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name *
julie-ghc-project 

Project ID: julie-ghc-project. It cannot be changed later. [EDIT](#)

Location *
 No organization [BROWSE](#)

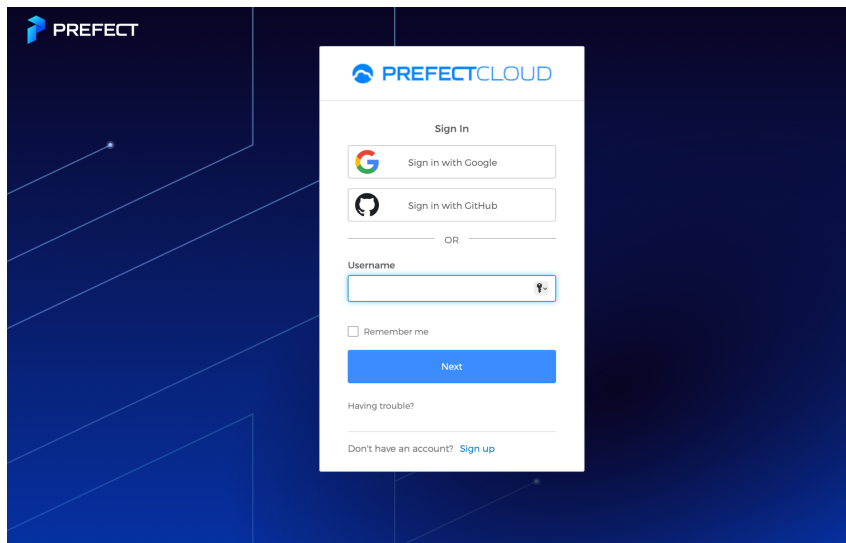
Parent organization or folder

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

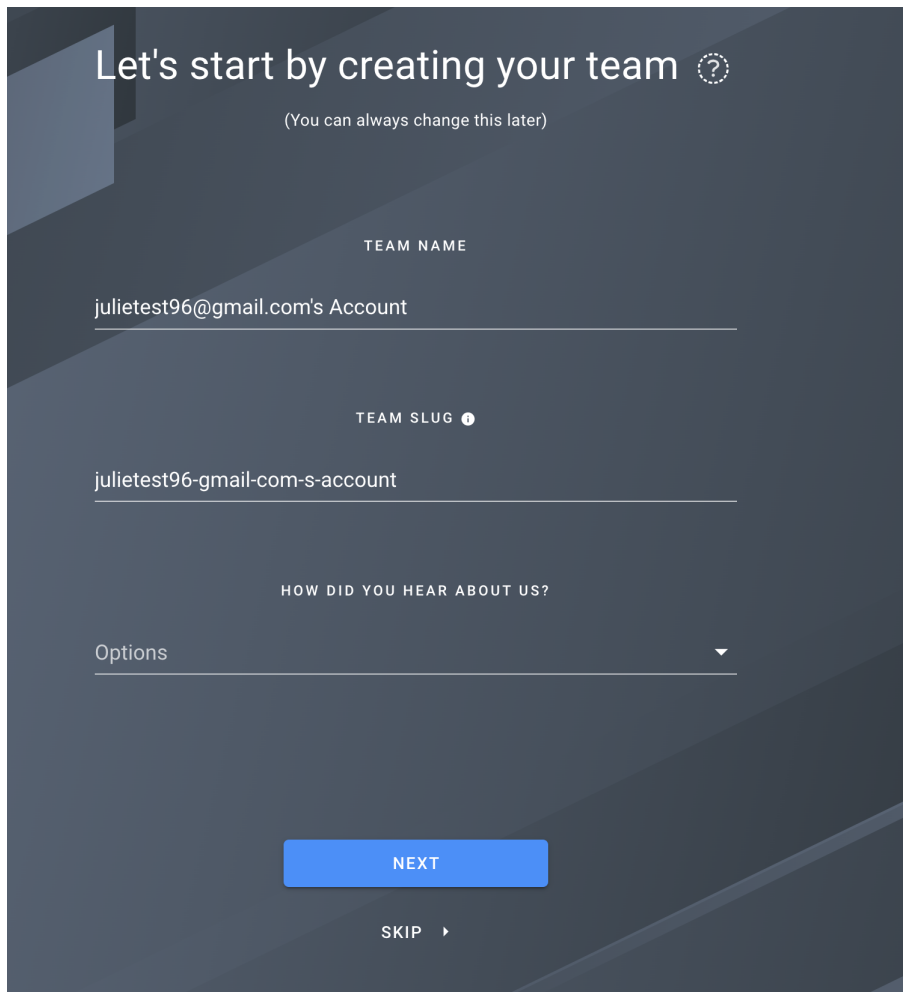
Now, you are all set! There is a free trial (no Credit card required) for \$300 which will be sufficient for this tutorial + your own exploration.


Create a Free-Tier Prefect Account

1. In a new tab, go to <https://cloud.prefect.io/> and you will see this homepage



2. Click **Sign in with Google** option and use the new google account created in the beginning of the setup guide. Once logged in you will see this page, click **Next**, then click **TO THE DASHBOARD**




Let's start by creating your team 

(You can always change this later)


TEAM NAME

julietest96@gmail.com's Account


TEAM SLUG 

julietest96-gmail-com-s-account

HOW DID YOU HEAR ABOUT US?

Options 

NEXT

SKIP 

Setup Google Collab Notebook

Navigate to <https://colab.google/> and click on New notebook

Create a new code cell and insert the following code:

```
Unset
!pip install colab-xterm
%load_ext colabxterm
%xterm
```

You will execute all code from here

Setup Prefect Flow Deployment

1. In the terminal above, run the following

```
Unset
pip install prefect==1.0 -U
conda install prefect -c conda-forge
```

2. Open up a new python file, `prefect_init.py` , and insert the following code

```
Python
import prefect

from prefect import task, Flow
@task
def hello_task():
    logger = prefect.context.get("logger")
    logger.info("Hello world!")
flow = Flow("hello-flow", tasks=[hello_task])
flow.run()
```

3. Run the python script, by running the following command in your terminal

Unset

```
python prefect_init.py
```

And your output should look like the following:

```
[2023-07-19 11:06:25+0100] INFO - prefect.FlowRunner | Beginning Flow run for 'hello-flow'
[2023-07-19 11:06:25+0100] INFO - prefect.TaskRunner | Task 'hello_task': Starting task run...
[2023-07-19 11:06:25+0100] INFO - prefect.hello_task | Hello world!
[2023-07-19 11:06:25+0100] INFO - prefect.TaskRunner | Task 'hello_task': Finished task run for task with final state: 'Success'
[2023-07-19 11:06:25+0100] INFO - prefect.FlowRunner | Flow run SUCCESS: all reference tasks succeeded
```

Connecting local prefect to our cloud prefect

1. Create an API key : <https://cloud.prefect.io/user/keys>

API Keys

API keys are used to represent a single user, and are typically used by Prefect Cloud clients (such as the Prefect Cloud CLI) to perform actions within Prefect.

[+ CREATE AN API KEY](#)

Created At	Expires	Tenant
You do not have any API keys yet.		

Rows per page: 10 - |< < > >|

Create an API key

Leave blank to never expire this key

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

Save the key generated since you won't be able to access it after you close the window!

2. In the terminal run the following command and in the paste the key in the end

```
Unset  
prefect auth login --key {PASTE KEY}
```

You should see the following returned

```
Logged in to Prefect Cloud tenant "julietest96@gmail.com's Account" (julietest96-gmail-com-s-account)
```

3. Next, lets create our project

```
Unset  
prefect create project cash_find_friends
```

4. Create new file `prefect_register.py` and add the following code

```
Python  
  
import prefect  
from prefect import task, Flow  
  
@task  
def hello_task():  
    logger = prefect.context.get("logger")  
    logger.info("Hello world!")  
  
flow = Flow("hello-flow", tasks=[hello_task])  
  
flow.register(project_name="cash_find_friends")
```

5. In a new terminal, run the prefect local agent

Unset

```
prefect agent local start
```

6. Open a separate terminal and run the following command

Unset

```
python prefect_register.py
```

```
Flow URL: https://cloud.prefect.io/julietest96-gmail-com-s-account/flow/33d8a45b-a607-45b5-8f9e-0791edc8f94a  
└─ ID: 4d835dc1-75ba-4a85-a3b3-17b19bea4f84  
└─ Project: cash_find_friends  
└─ Labels: ['mariajuliana.local']
```

7. Check to see if flow is in dashboard under flows, <https://cloud.prefect.io/>

DASHBOARD

julietest96@gmail.com's Account

PROJECT

All Projects

OVERVIEW

FLOW

CALENDAR

AUTOMATIONS

Flows

Search by Flow, Project, or User

Name	Schedule	Project	Version	Created On	Created By	Run History
hello-flow	<input type="checkbox"/>	cash_find_friends	1	19 July 2023 11:29am	julietest96_gmail.com	

Rows per page: 30

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Show Arc