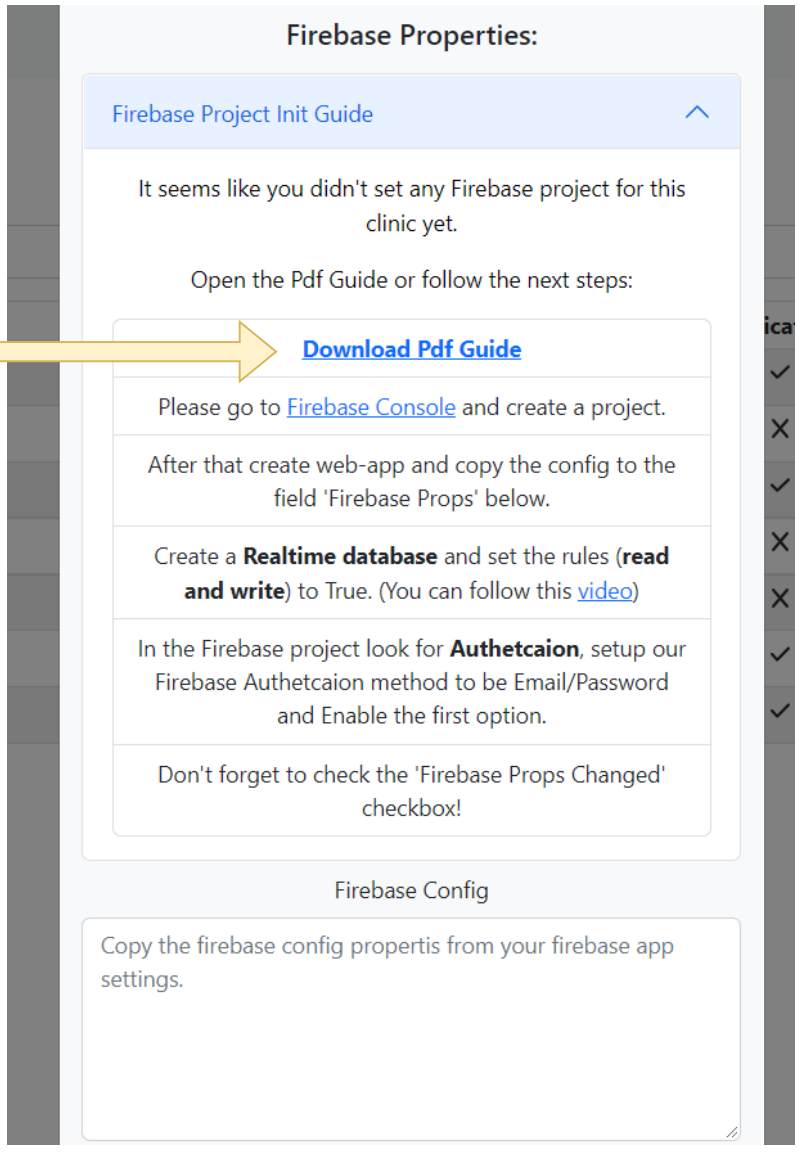
Firebase Initalize - New Clinic

After you created a new clinic, on the manage page in the management project you can edit the clinic properties.
In the form that will open, if there is no firebase config already entered into the clinic, you will see a message with the steps to follow (this guide will do the same with more details).

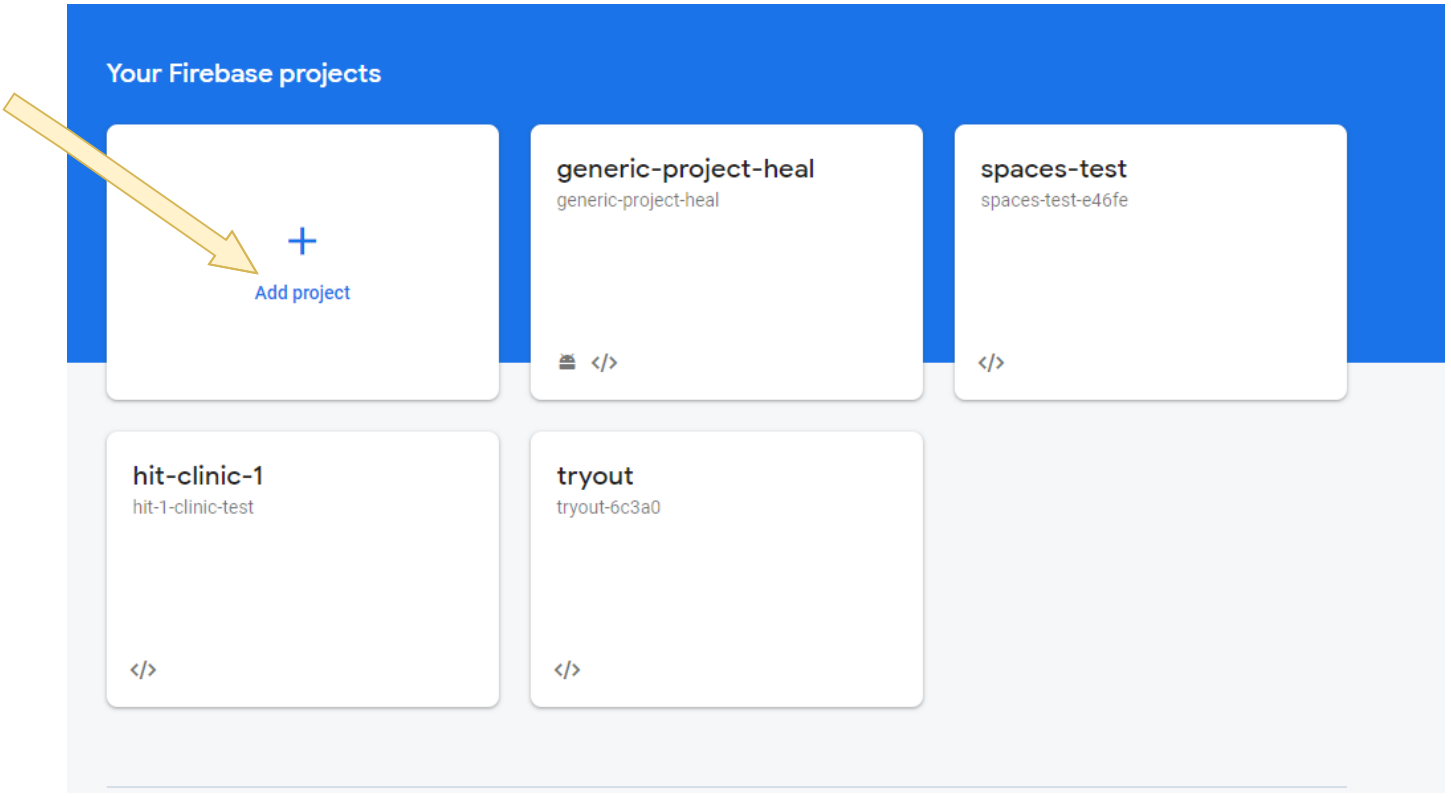
We are in this guide



Step 1: Generate a new firebase project

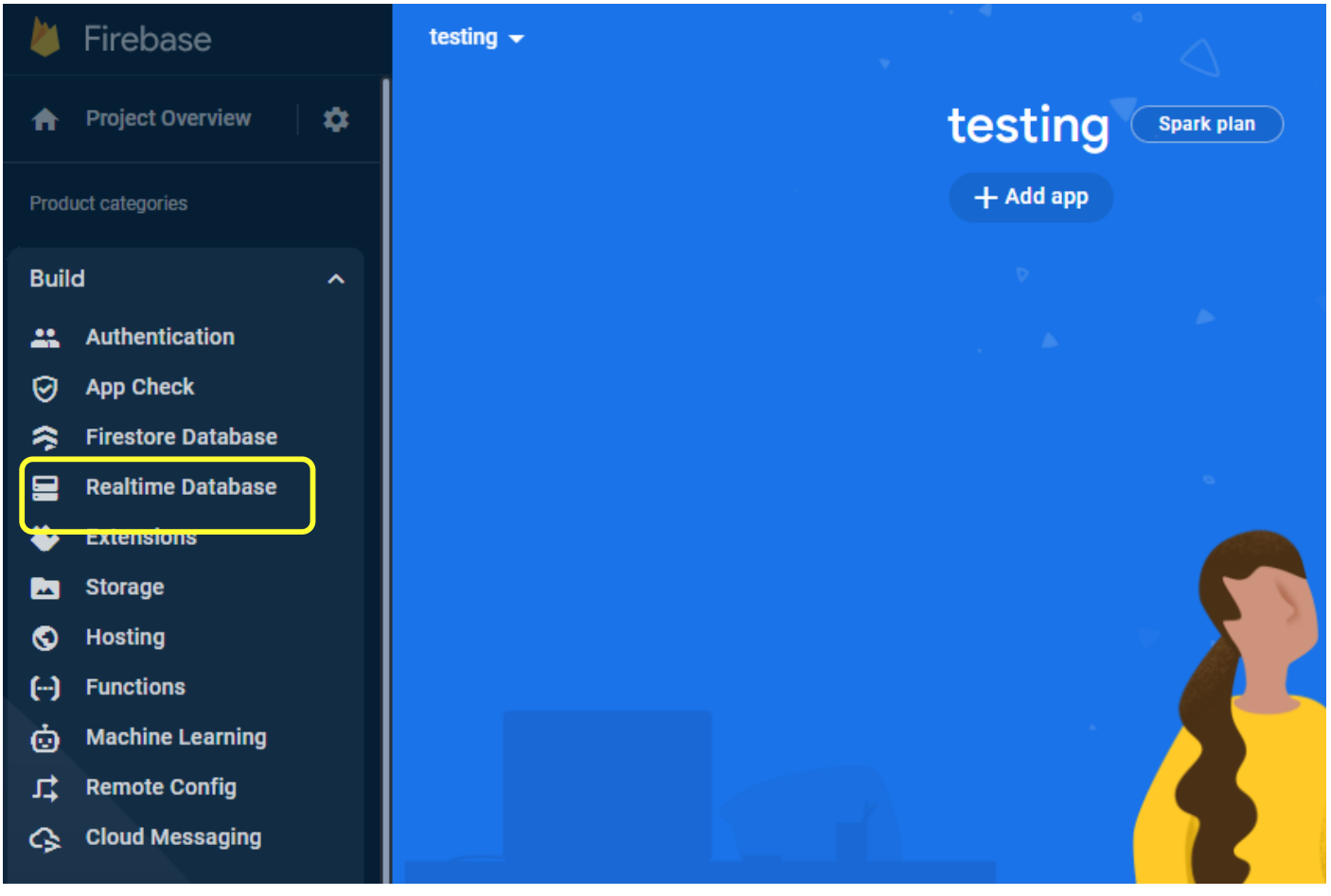
Go to the firebase console and press add project.
Follow the steps: enter the project name (you can use the clinic name), choose the user that will control the firebase, and let the project generate.
After that firebase will redirect you to the project console.

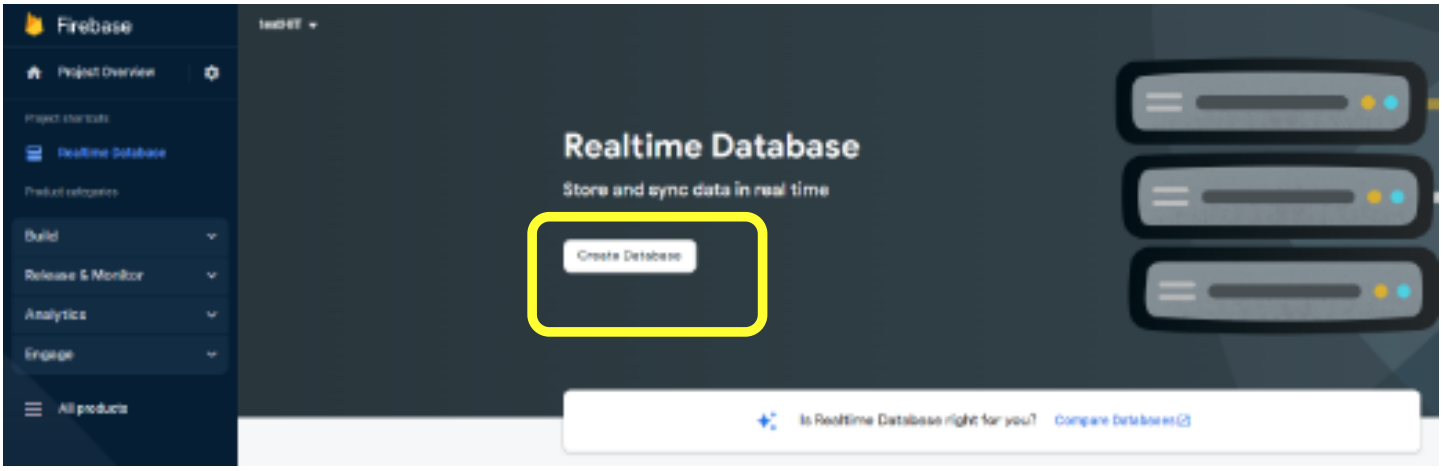
Firebase console link.

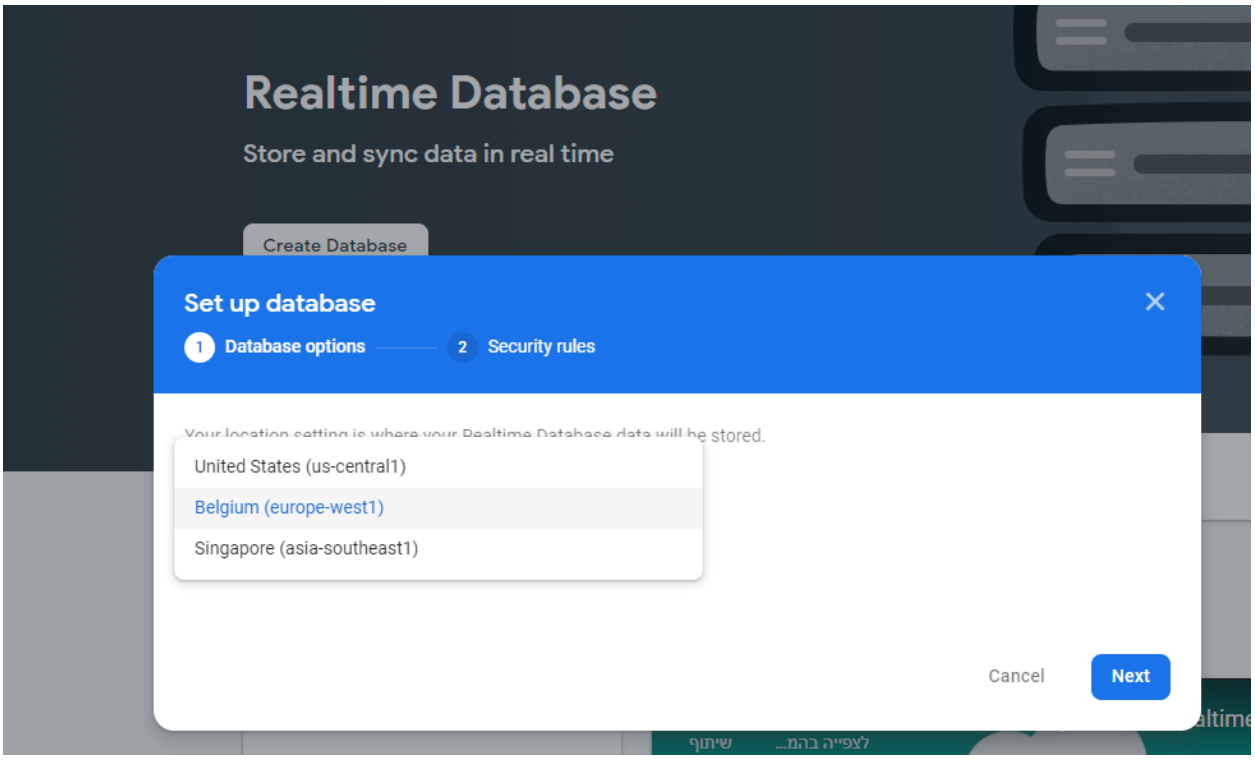


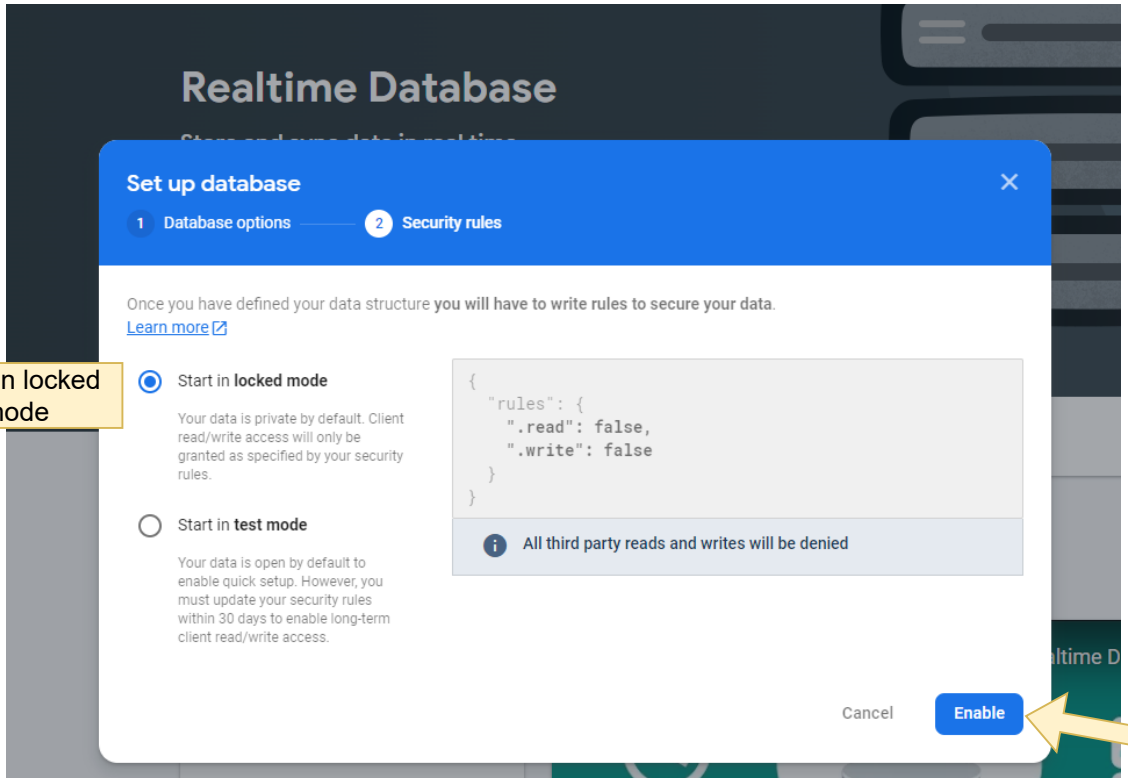
Step 2: Creating Realtime Database

Let's create our new Realtime database.
Under the Build section, we can find Realtime Database.
Go to the section and press create a database, choose your database location (Europe for us - Belgium, Ireland and etc)





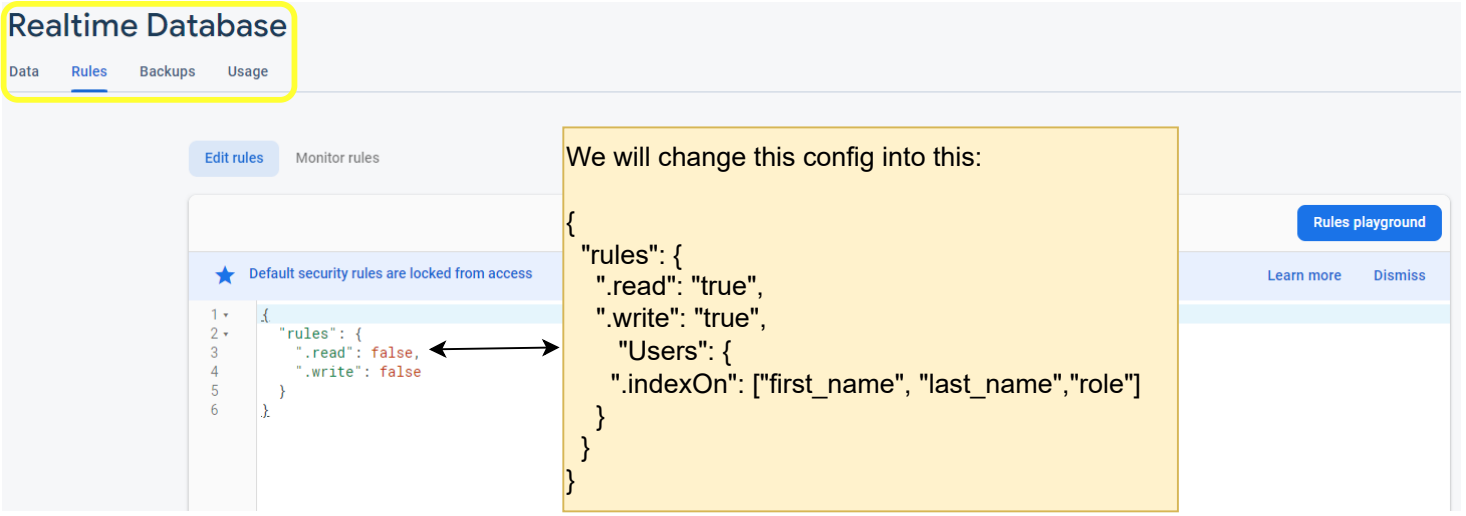




Start in locked mode

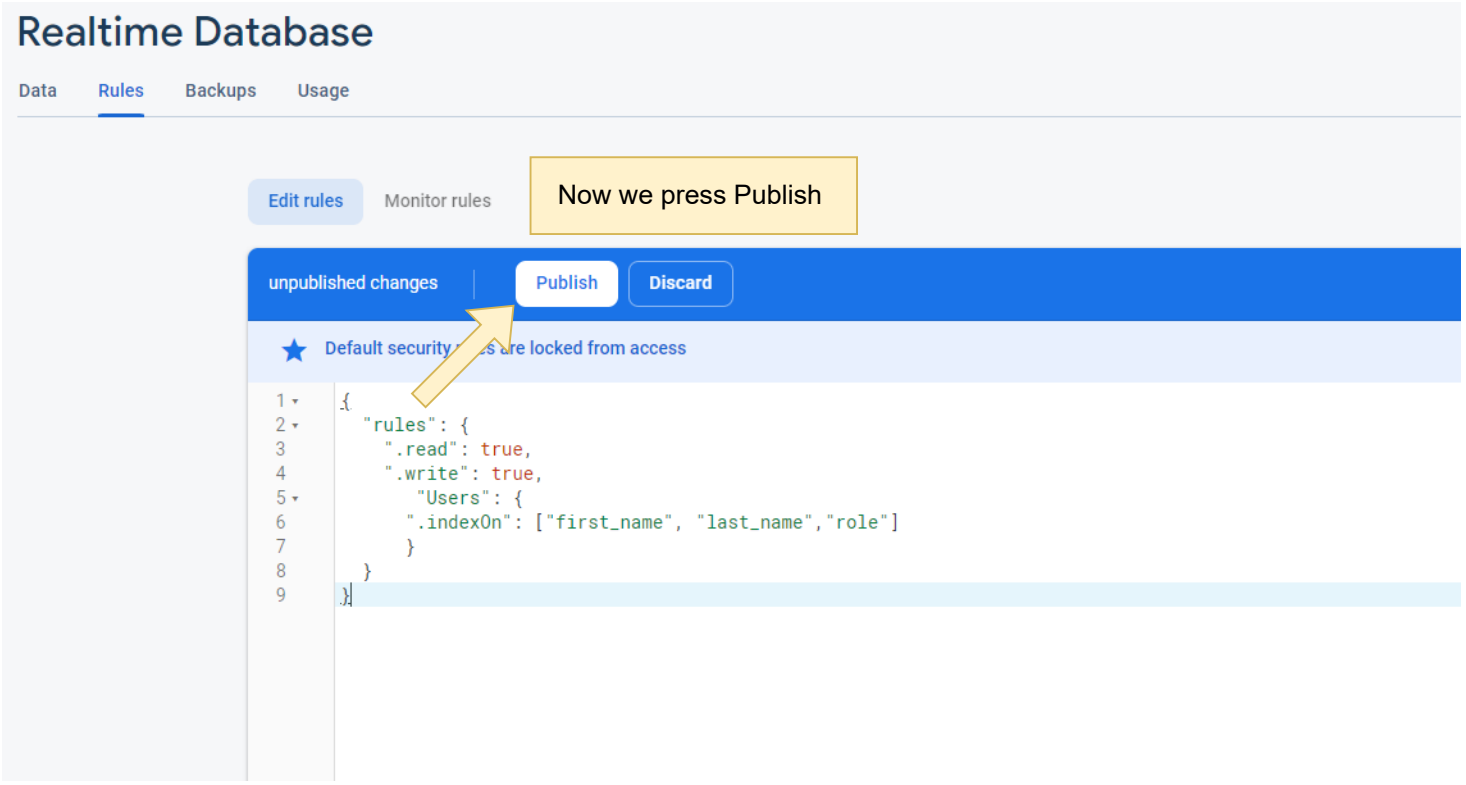
And enable the database

We are not done yet.
We need to change the Rules of our new database.
In the Realtime database section now you can see our database.
You can see you have an Rules option on the top bar.

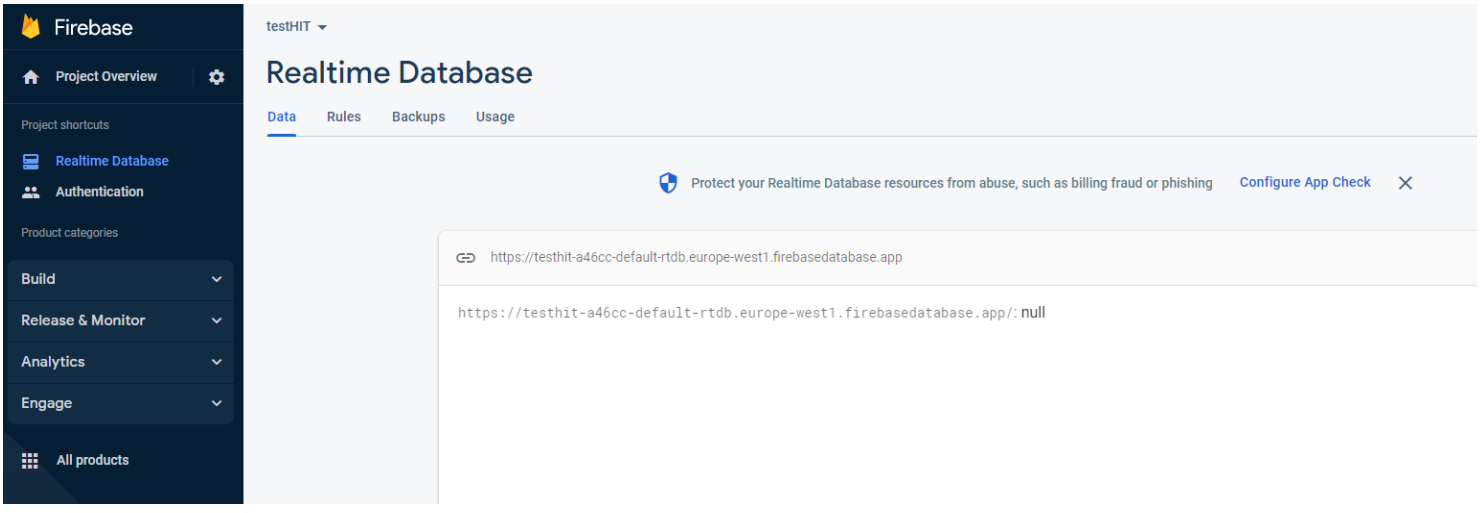


We will change this config into this:

```
{
 "rules": {
  ".read": "true",
  ".write": "true",
    "Users": {
   ".indexOn": ["first_name", "last_name","role"]
  }
 }
}
```

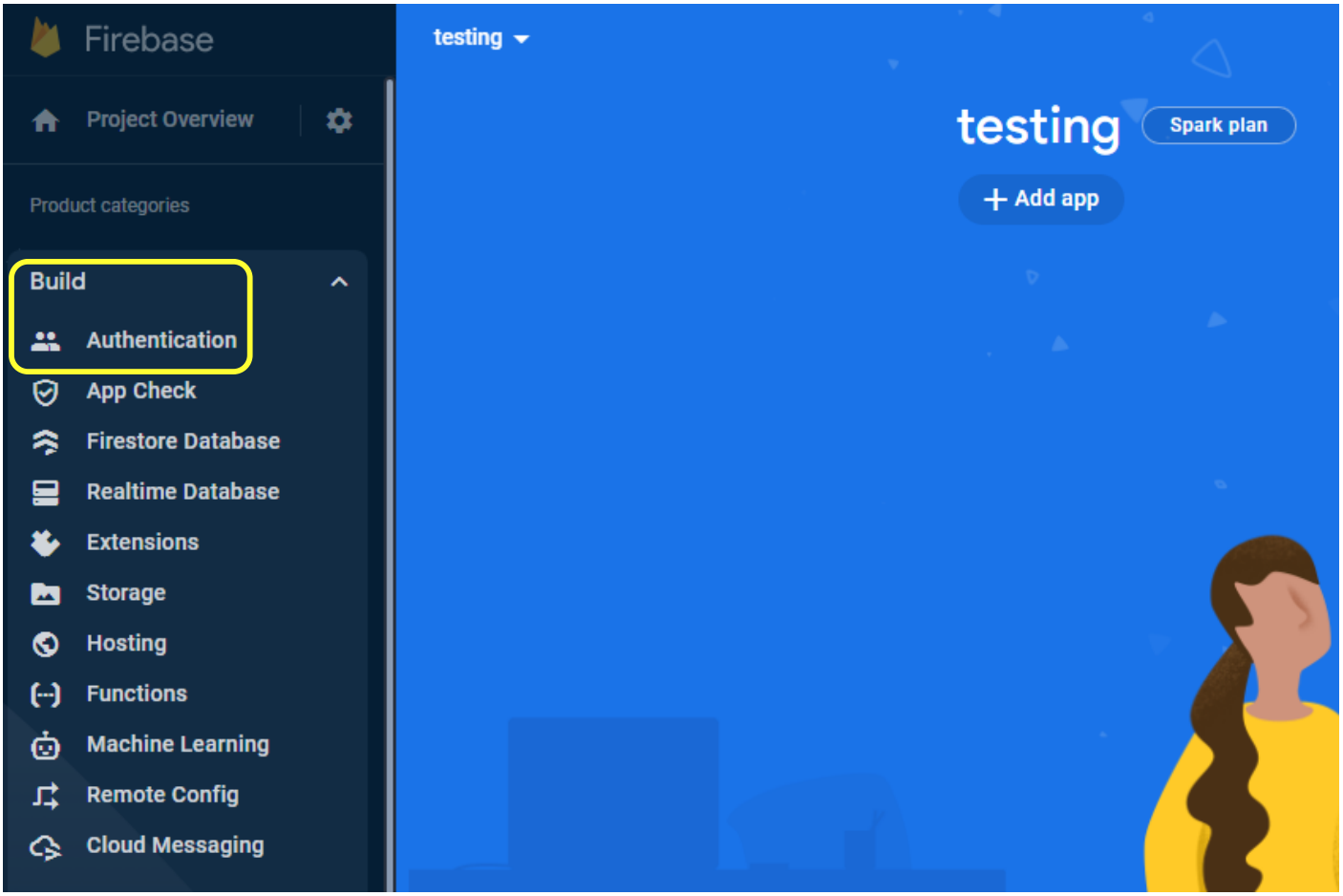


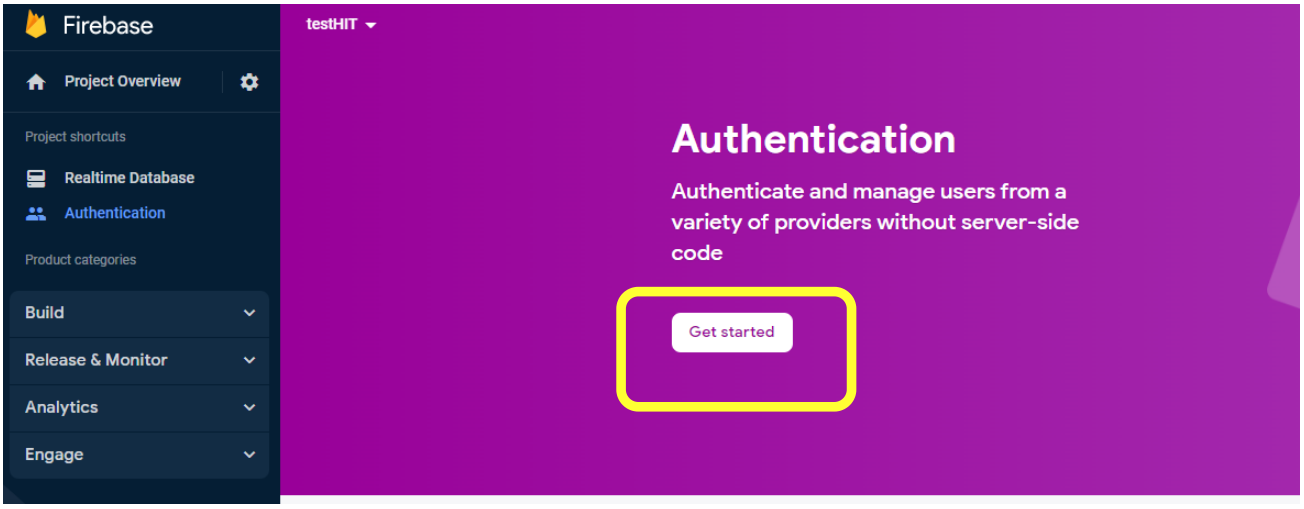
After that our Realtime database should look like this:

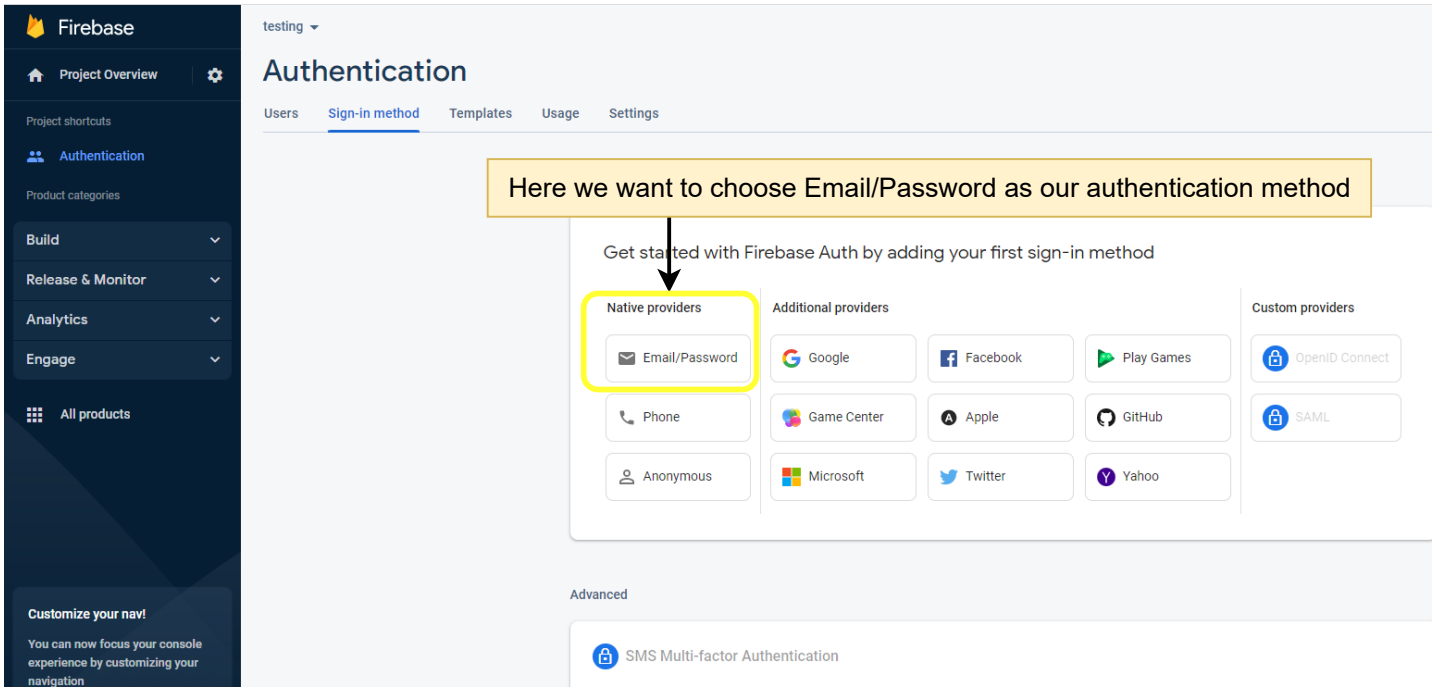


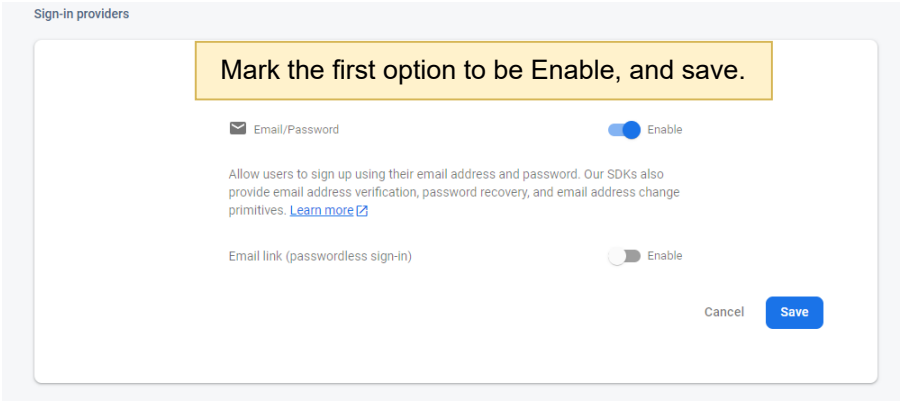
Step 3: Setup Authentication

Under the Build section on the sidebar, you can find 'Authentication' press on it.

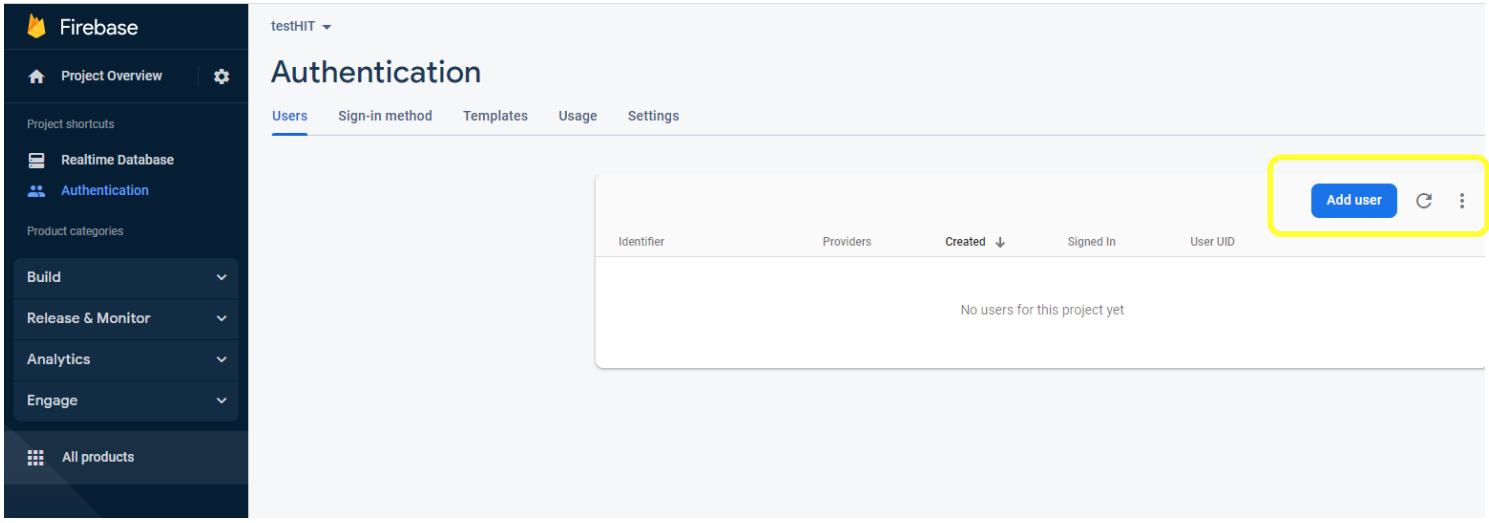






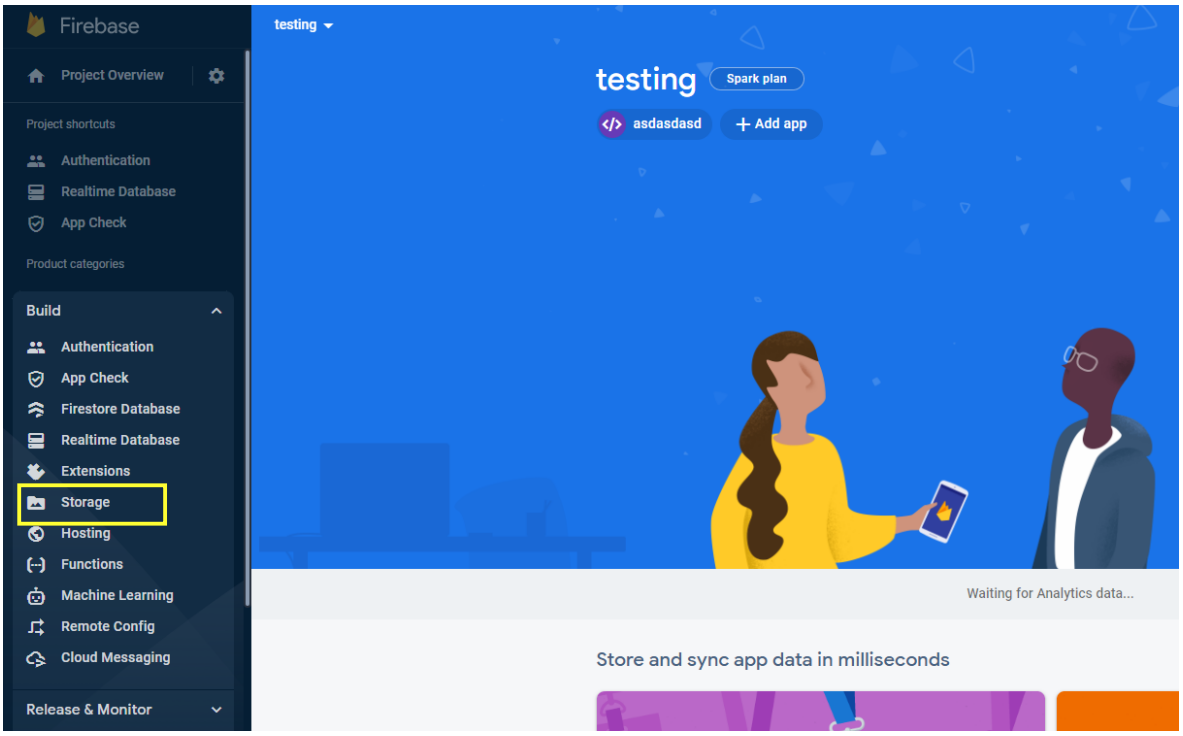


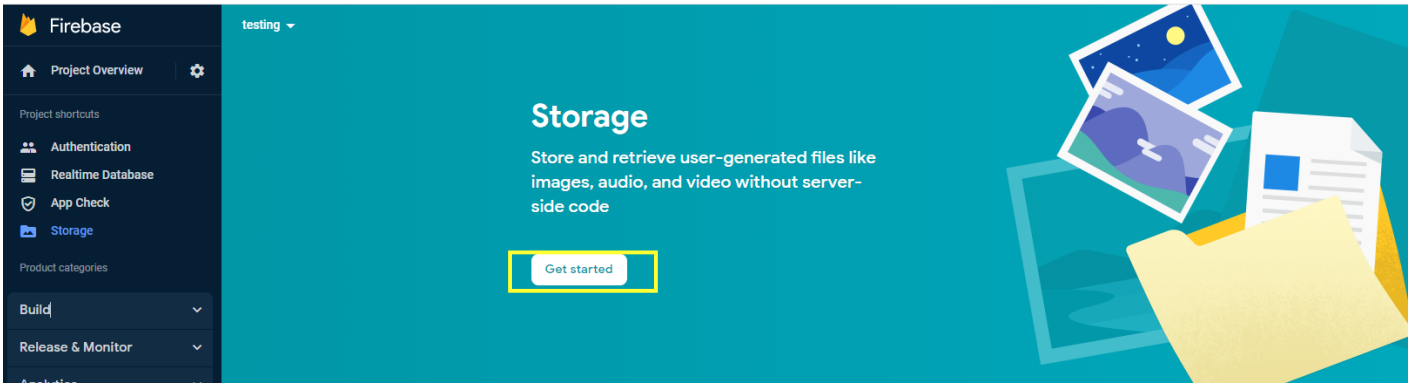
After that our Authentication page should look like this:
With Add user button

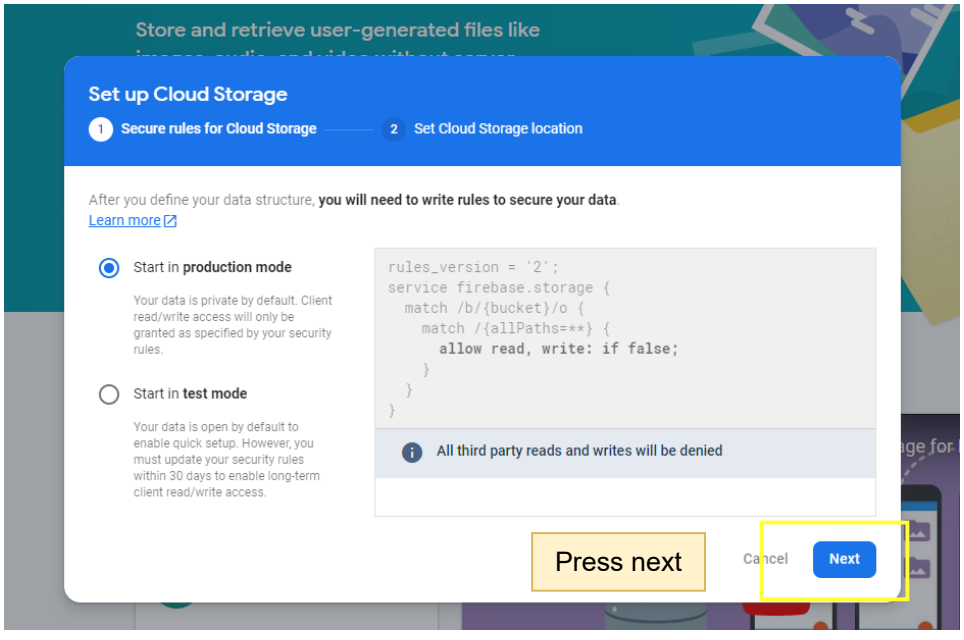


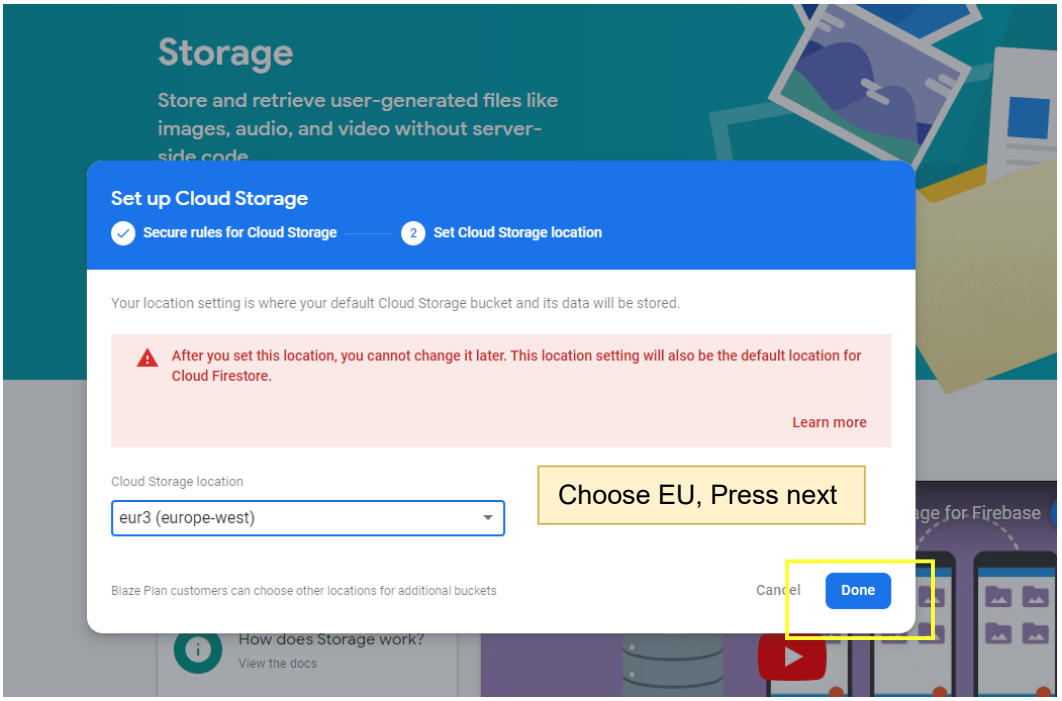
Step 4: Steup storage

Under the Build section on the sidebar, you can find 'Storage' press on it.





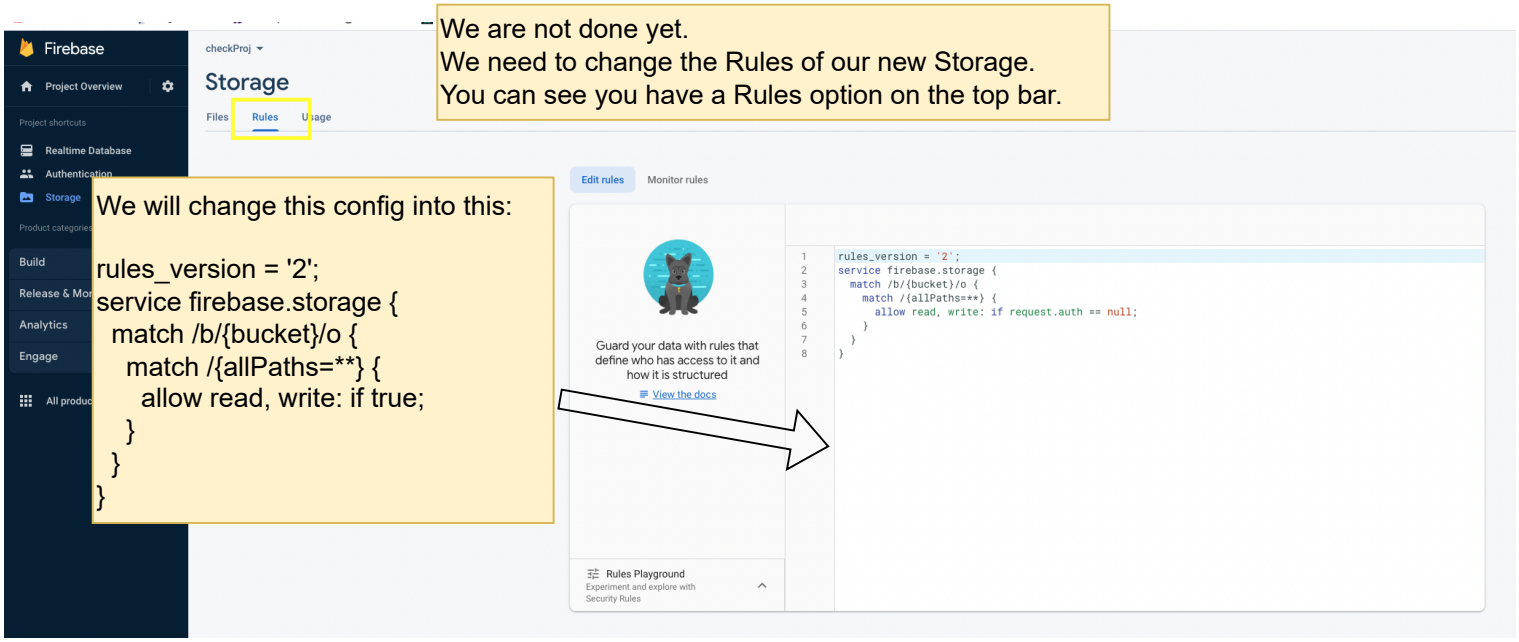




We are not done yet.
We need to change the Rules of our new Storage.
You can see you have a Rules option on the top bar.

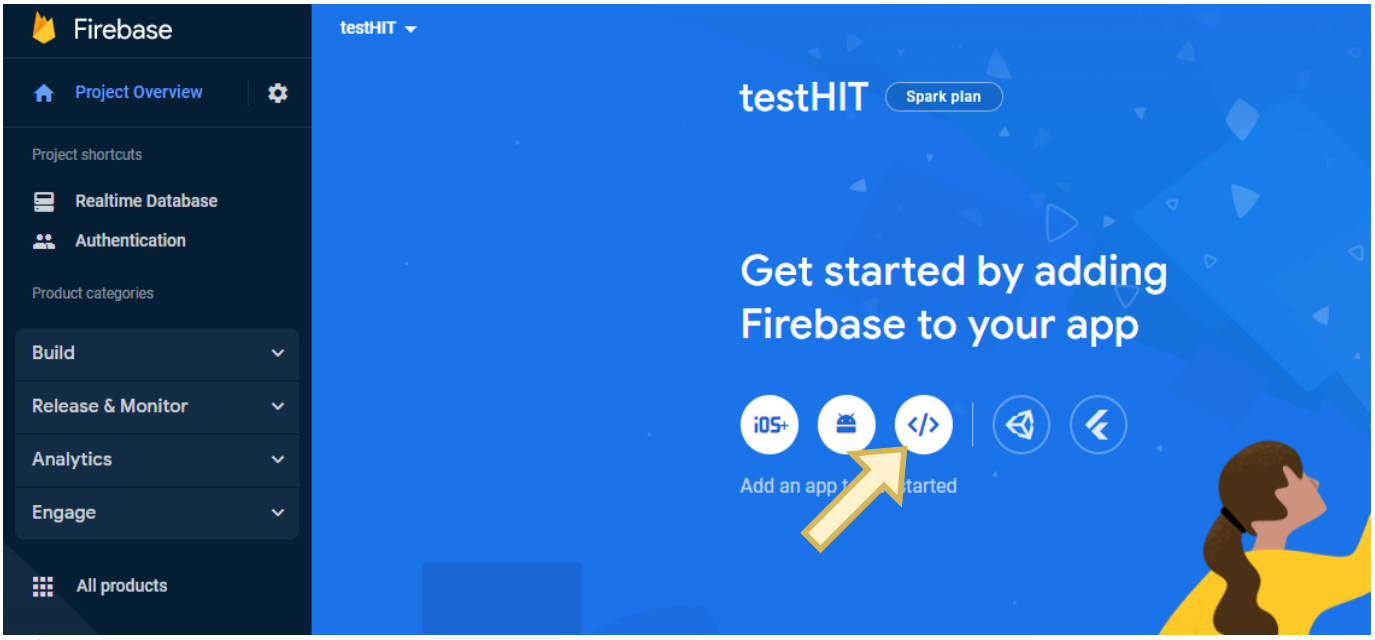
We will change this config into this:

```
rules_version = '2';
service firebase.storage {
  match /b/{bucket}/o {
    match /{allPaths=**} {
      allow read, write: if true;
    }
  }
}
```



Step 5: Create a web app for the new project

Now you are in the new project console, we want to create a new web app.
Press on the firebase Logo in the top left corner will redirect to the project console page.
Now can choose to create our new web app.



2 Add Firebase SDK

Use npm Use a <script> tag

If you're already using npm and a module bundler such as webpack or Rollup, you can run the following command to install the latest SDK:

```
$ npm install firebase
```

Create new web app, enter name and generate the app.
In the end you will get this config file.

Then, initialize Firebase and begin using the SDKs for the products you'd like to use.

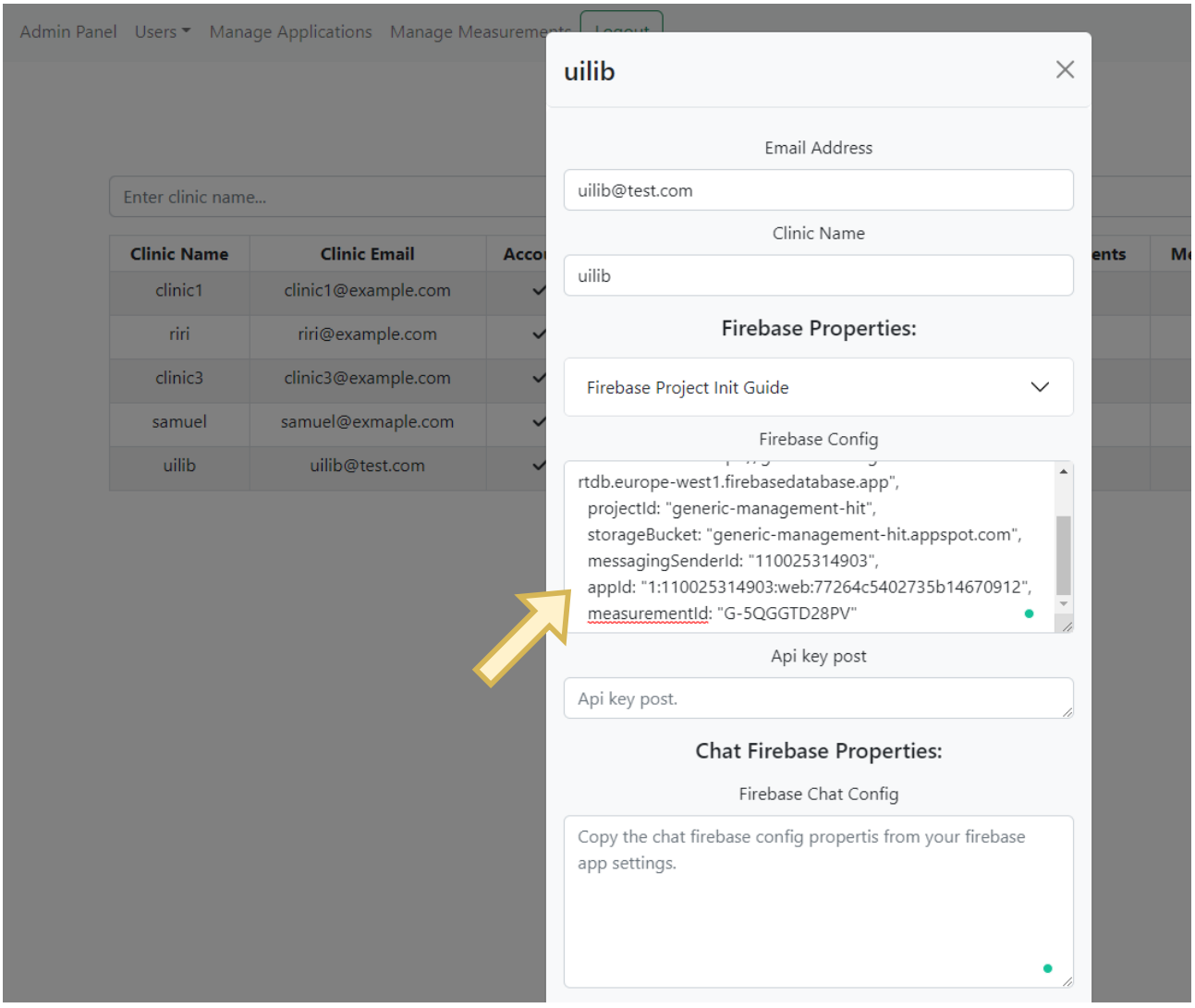
```
// Import the functions you need from the SDKs you need
import { initializeApp } from "firebase/app";
import { getAnalytics } from "firebase/analytics";
// TODO: Add SDKs for Firebase products that you want t
// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration
// For Firebase JS SDK v7.20.0 and later, measurementId is optional
const firebaseConfig = {
  apiKey: "AIzaSyAkKU3tIrfkNEsqf_puOpNADyW4OjuaLpg",
  authDomain: "testhit-a46cc.firebaseapp.com",
  databaseURL: "https://testhit-a46cc-default-rtdb.europe-west1.firebasedatabas
  projectId: "testhit-a46cc",
  storageBucket: "testhit-a46cc.appspot.com",
  messagingSenderId: "692378054216",
  appId: "1:692378054216:web:e0744ebed31f1c6f4cb27d",
  measurementId: "G-M5X52G2YFQ"
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
const analytics = getAnalytics(app);
```

We will copy this section without the brackets !
We should make sure we have the next keys:
apiKey, authDomain, databaseURL, storageBucket

Note: This option uses the modular JavaScript SDK, which provides reduced SDK size.

Learn more about Firebase for web: Get Started, Web SDK API Reference, Samples

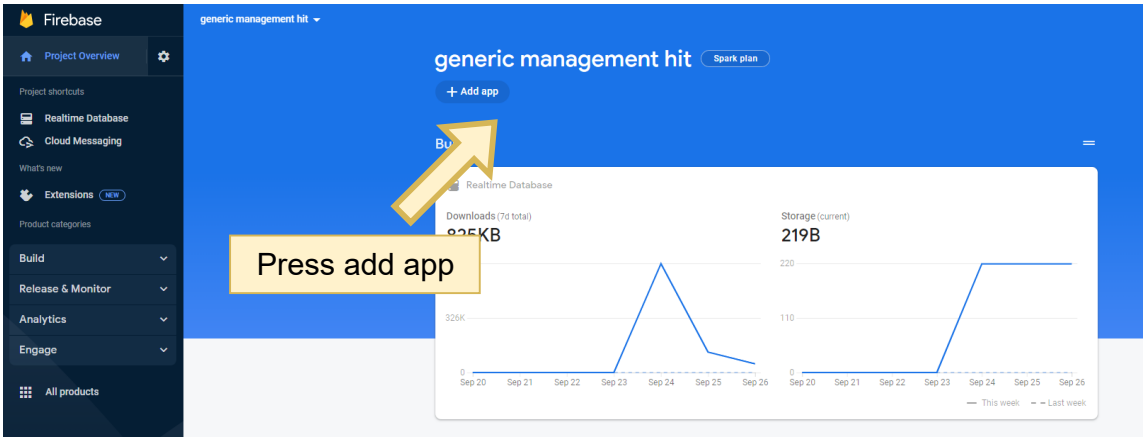
We will copy this config into our clinic edit form and paste it

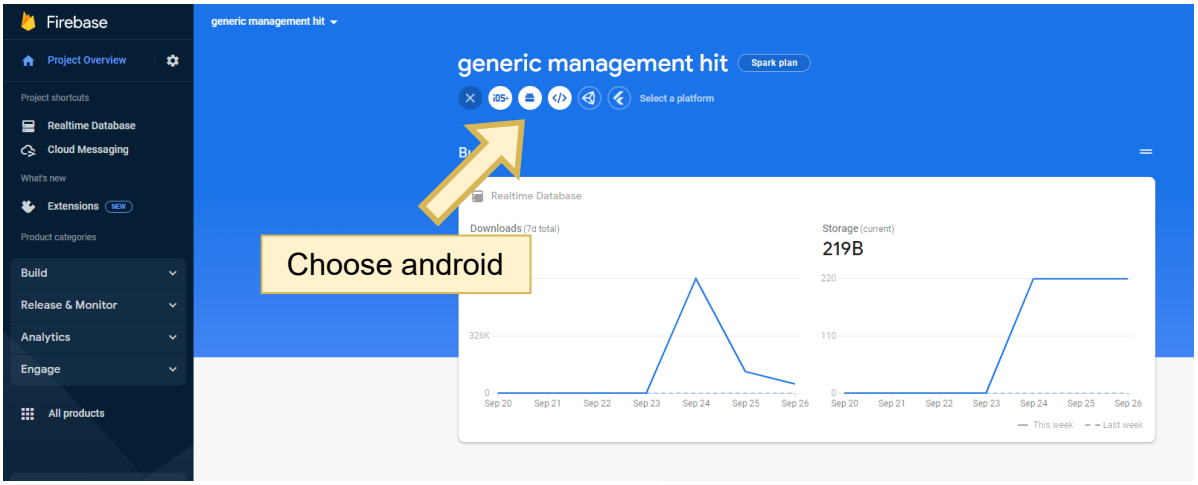


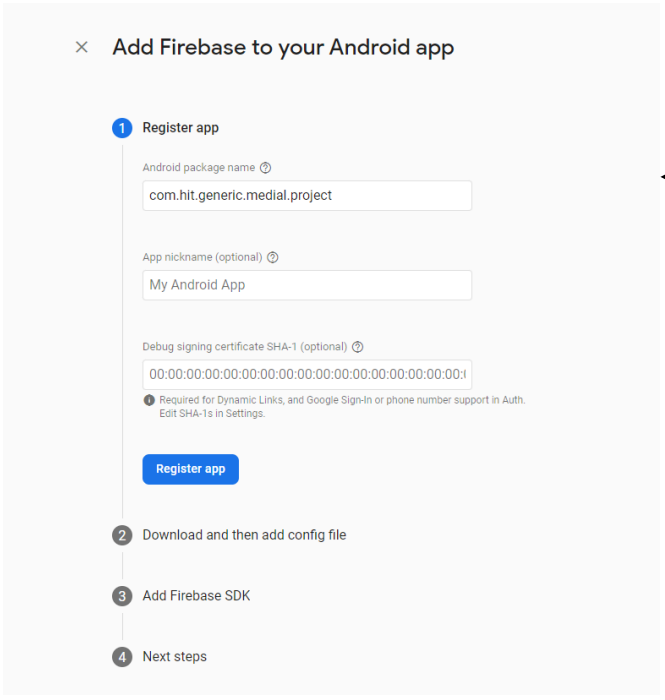
Step 6: Create second Firebase for Chat

Now we will create another firebase as mentioned.
This time we will create a web app and an android app.

Create new android app







Here at Register app under Android package name we want to use this :
com.hit.generic.medial.project

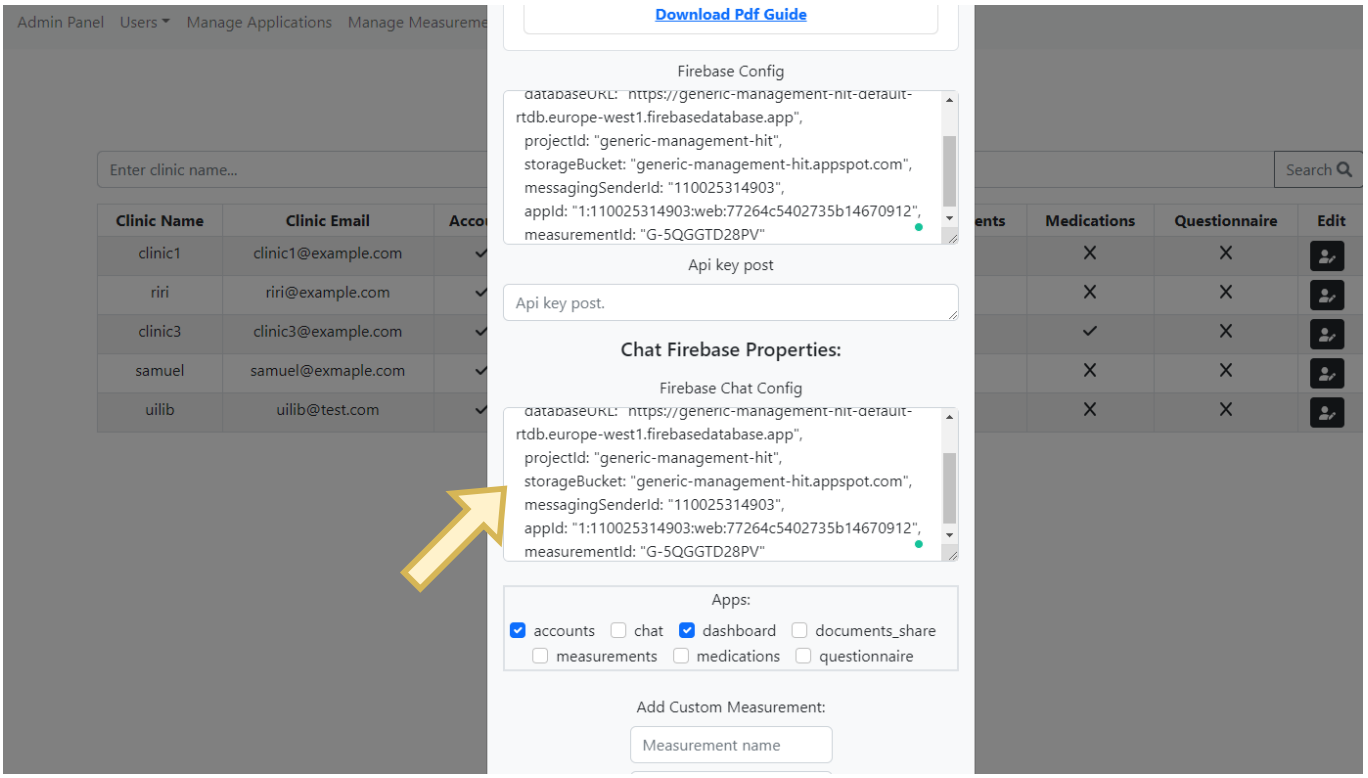
After that press next and go back to the console.
The next step will be to init RealtimeDatabase for the chat.
you can repeat the steps mentioned above.
The only difference is the new rules.

After init the new RealtimeDatabase we need to change the rules of the firebase as mentioned above but with the new configuration for the chat

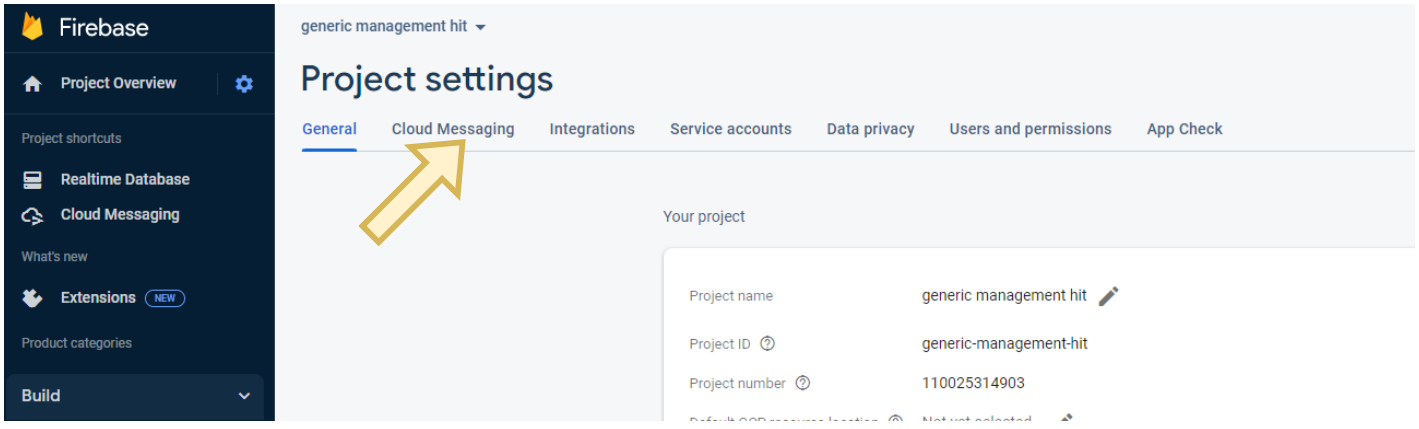
We will change this config into this:

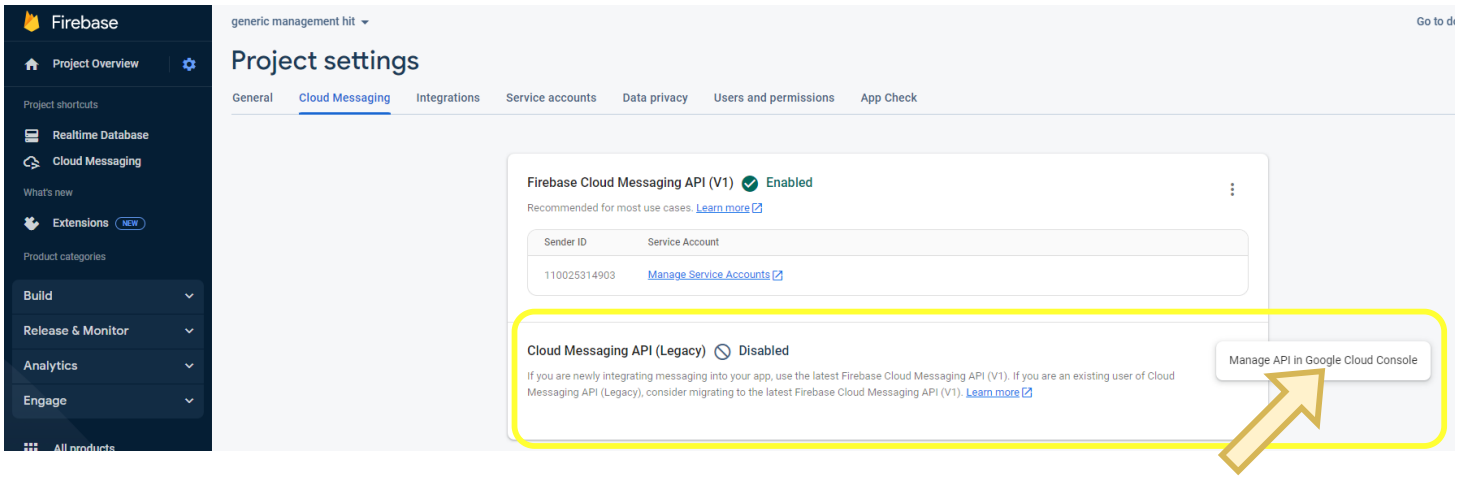
```
{
  "rules": {
    ".read": true,
    ".write": true,
    "conversations": {
      "$convId":{
        "messages":{
          ".indexOn": "date"
        }
      }
    }

  }
}
```

After the RealtimeDatabase is finished and we setup the new rules we can create a new web app, all the steps mentioned above.
After creating the web app we can copy the new config and paste it into the Firebase chat config in the clinic update form.

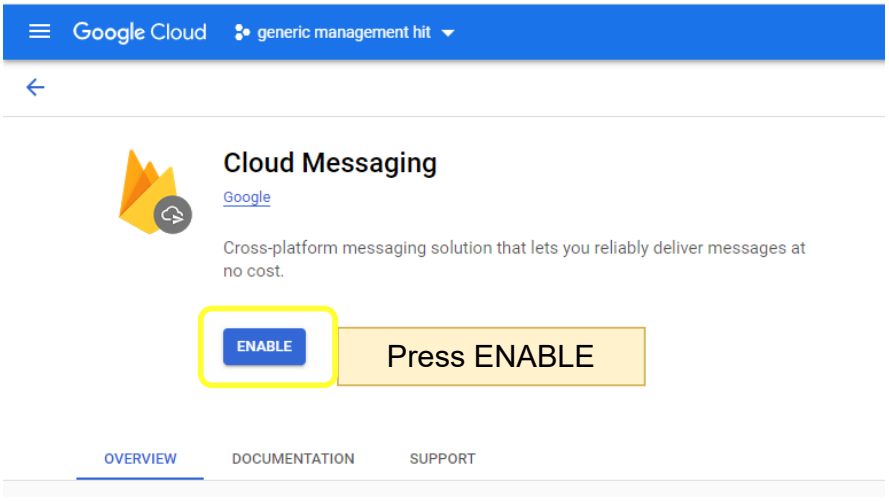


Now we will generate cloud messaging API key
Under project settings we can find Cloud Messaging

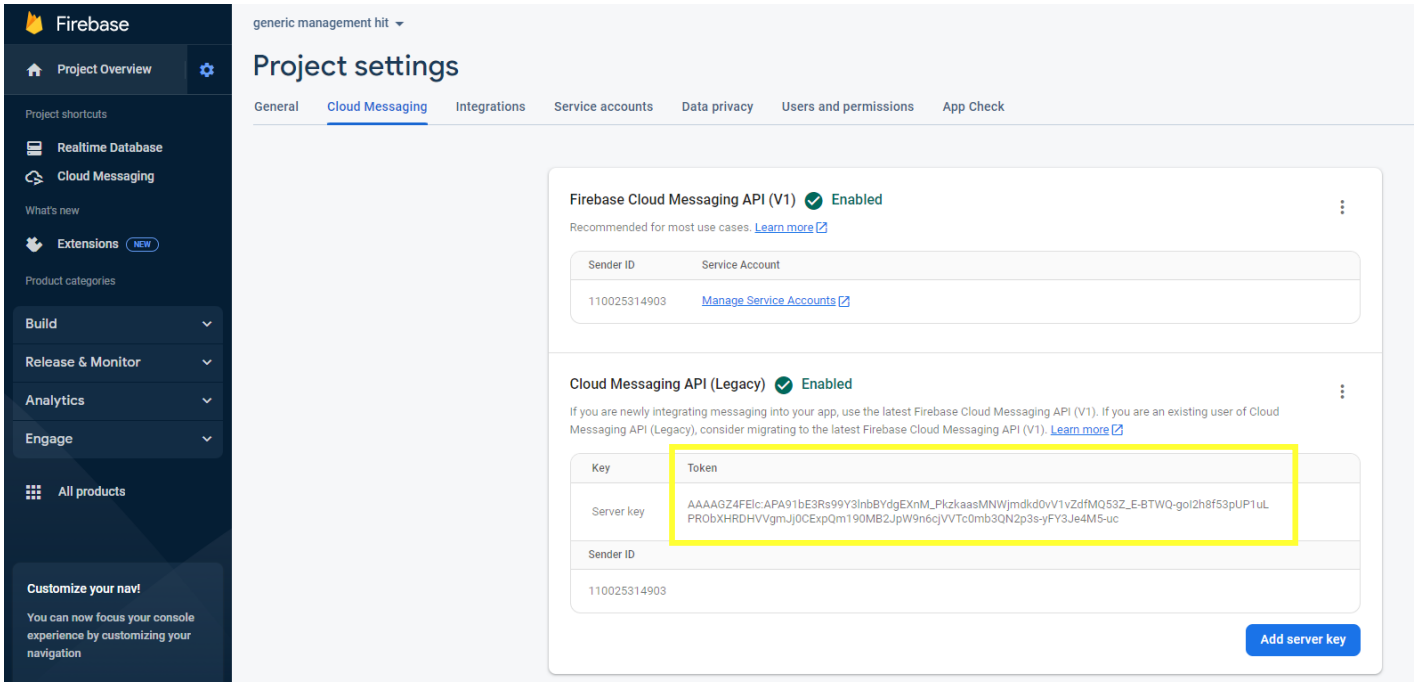


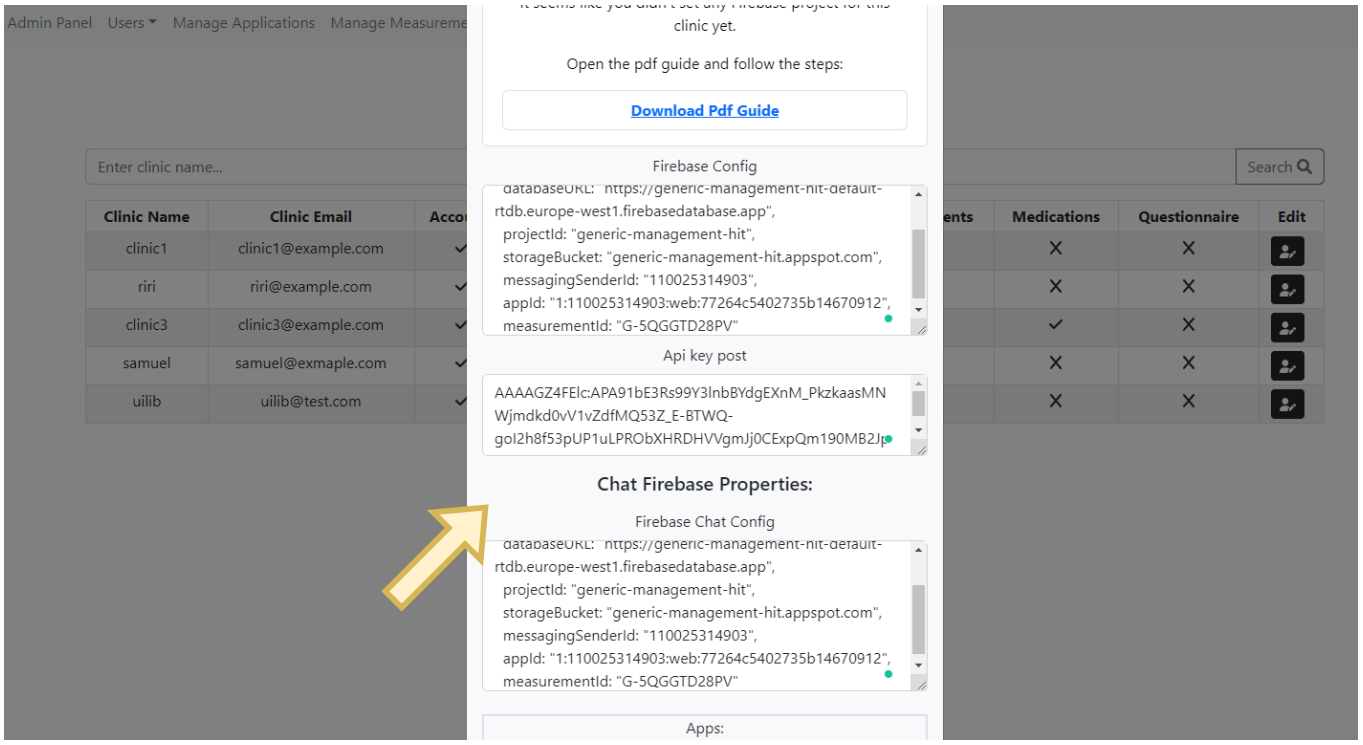


Now we want to enable cloud messaging.
In the right side of the Cloud Messaging API we will have 3 dots we will press on them and then on the button that will shown



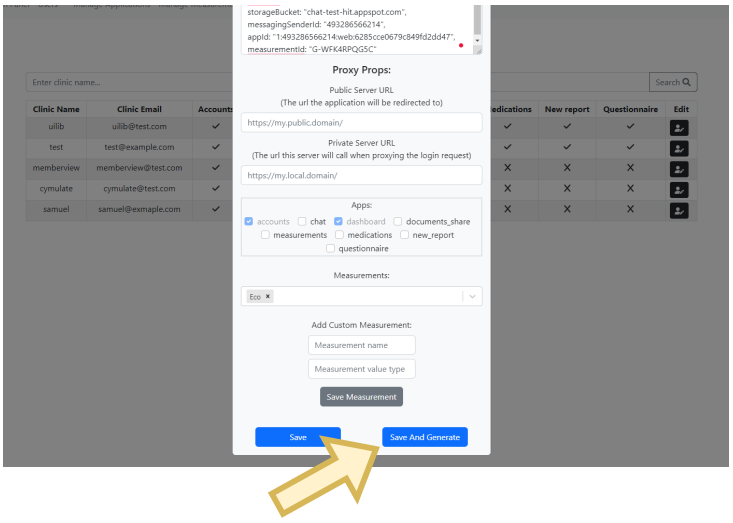
Now we have cloud messaging key and we will copy it to the clinic form





Now can choose the applications and the measurements for this project.

Now we can submit, make sure to press on "Save And generate" so the management project will generate a new Django project and will register the clinic into the DB.



Clinics

Generating Project . . .

Clinic Name	Clinic Email	Accounts	Dashboard	Measurements	Medications	Questionnaire	Chat	Edit
react123	test@example.com	✓	✓	✓	✓	X	X	
ui-lib	uilib@test.com	✓	✓	✓	X	X	✓	
mvt	memberview@test.com	✓	✓	✓	✓	✓	✓	
spaces	spaces@test.com	✓	✓	X	X	✓	✓	
owners	owners@test.com	✓	✓	X	X	X	✓	
samuel	samuel@exmaple.com	✓	✓	X	X	X	X	

At the end of the process you will see this success message appears.
In this message you can see the password for the clinic to login to the new project the username will be the clinic email.

Clinics

Finished to create your new project!

The password for clinic firebase login:

'+kz/F8BhC

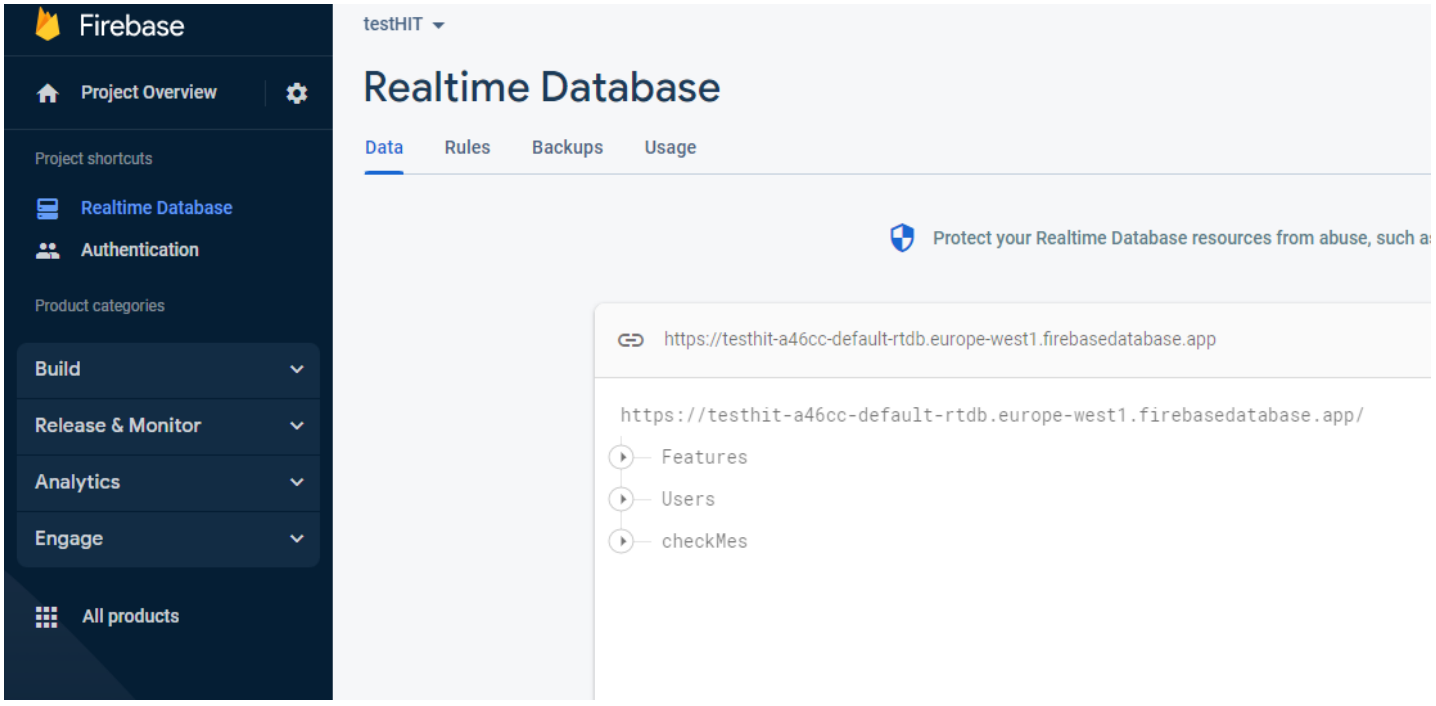
Password

Close

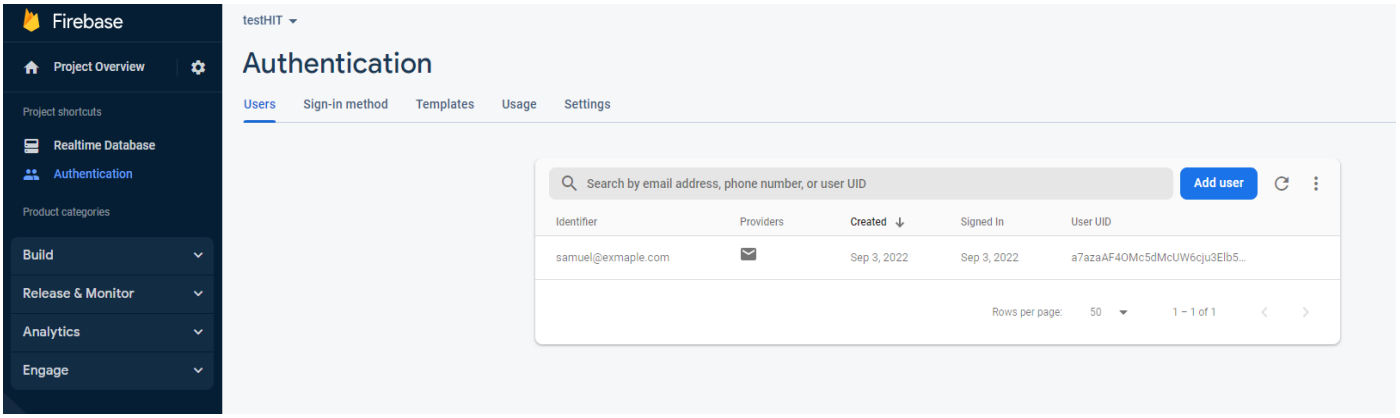
Clinic Name	Clinic Email	Accounts	Dashboard	Measurements	Medications	Questionnaire	Chat	Edit
react123	test@example.com	✓	✓	✓	✓	X	X	
ui-lib	uilib@test.com	✓	✓	✓	X	X	✓	
mvt	memberview@test.com	✓	✓	✓	✓	✓	✓	
spaces	spaces@test.com	✓	✓	X	X	✓	✓	
owners	owners@test.com	✓	✓	X	X	X	✓	
samuel	samuel@exmaple.com	✓	✓	X	✓	✓	X	

Username

Finally the new clinic DB should look like this:



And the Authentication:



And the folder created under the clinic email name