

DEVFEST

2019



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#DevFest

Sommaire

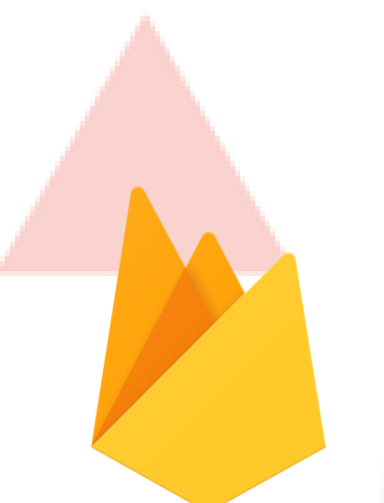
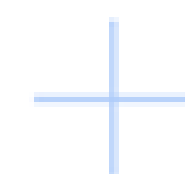
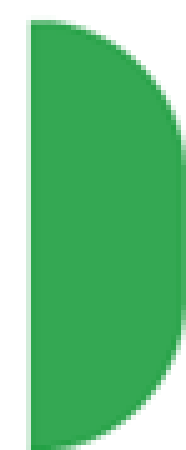
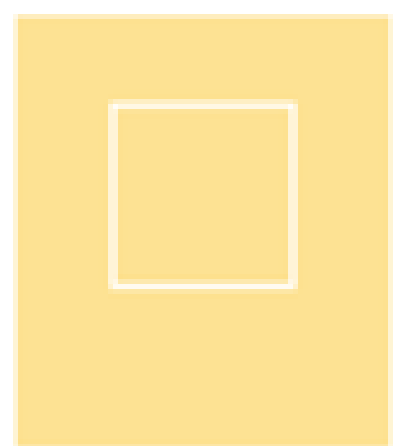
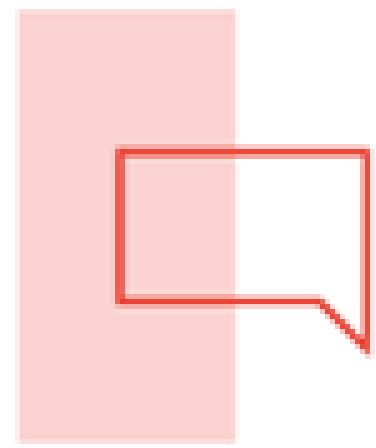
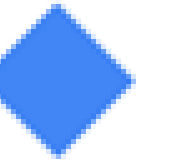
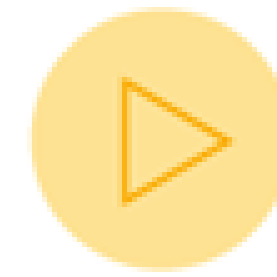
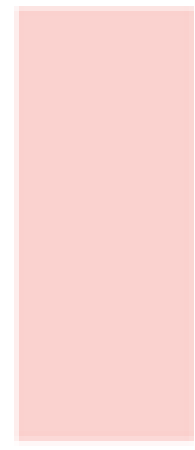
1. Qu'est-ce s'est ?

2. Mise en place

3. Codelabs

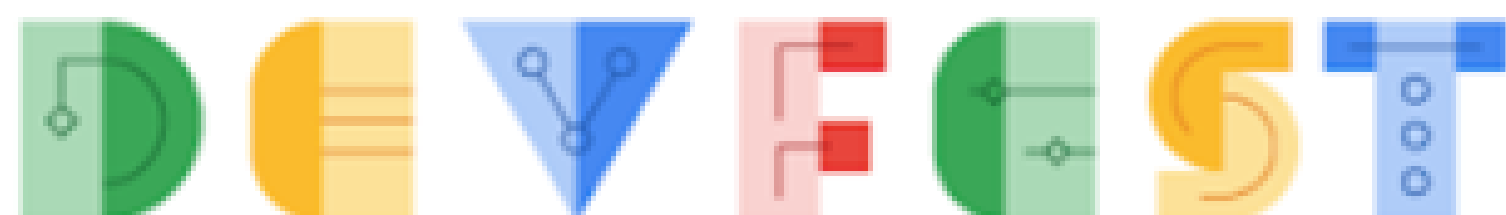
Firestore

QU'EST-CE QUE S'EST
?

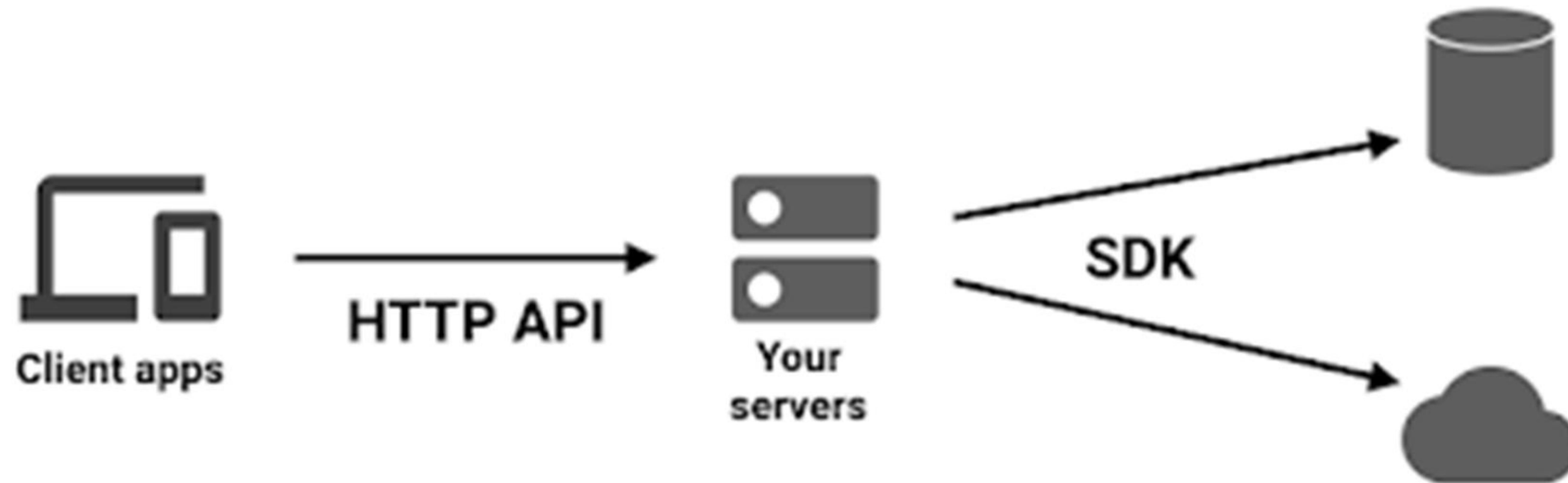


QU'EST-CE QUE S'EST ?

Firestore est une plateforme complète pour la conception des applications iOS, Android et web. Elle intègre plusieurs services dont une base de données en temps réel, un service d'authentification, de messageries et bien autres...



Architecture traditionnelle



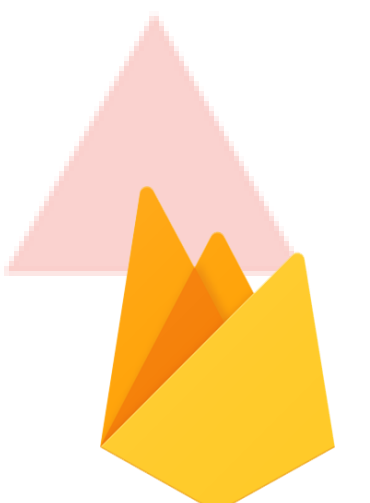
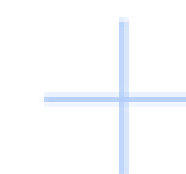
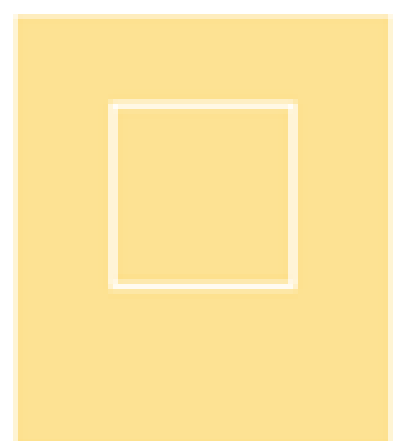
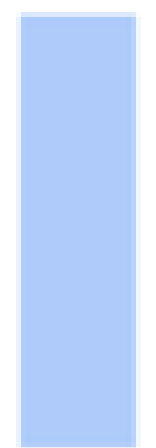
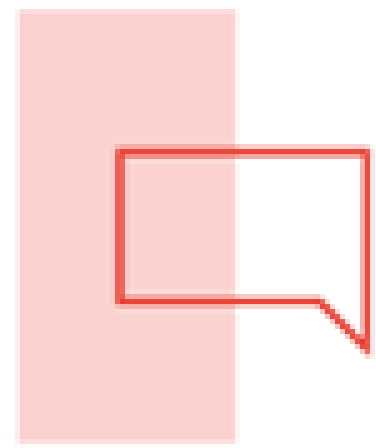
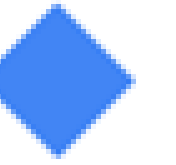
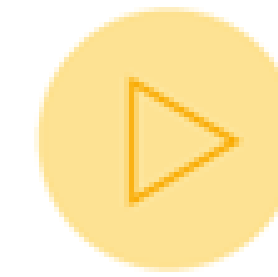
On développe la partie cliente qui communique avec le backend qu'on développe en langage serveur qui est relié à la base de données et autres services du cloud.

Architecture moderne

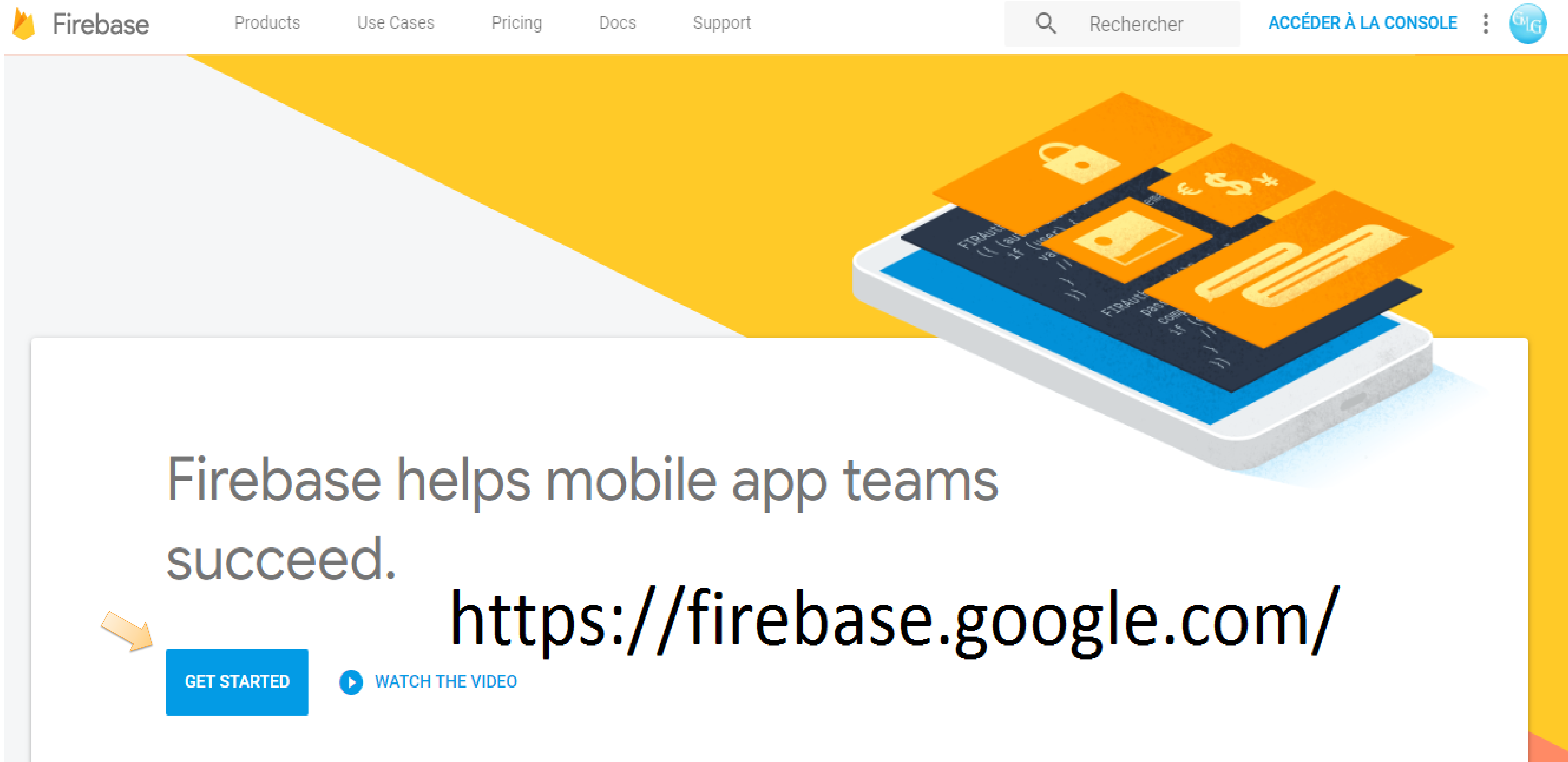


On ne développera plus désormais que la partie cliente qui communique avec Firebase qui intègre déjà tous les services nécessaires.

MISE EN PLACE



Home page - Firebase



The screenshot shows the top navigation bar of the Firebase website. It includes the Firebase logo, links for Products, Use Cases, Pricing, Docs, and Support, a search bar with the text 'Rechercher', and a link to 'ACCÉDER À LA CONSOLE' next to a Google Assistant icon. The main hero section features a large illustration of a smartphone with various Firebase service icons (Authentication, Analytics, Cloud Firestore, etc.) floating above it. Below the illustration, the text 'Firebase helps mobile app teams succeed.' is displayed. To the right of this text is the URL 'https://firebase.google.com/'. Below the text and URL are two buttons: 'GET STARTED' and 'WATCH THE VIDEO'. An orange arrow points to the 'GET STARTED' button.

Products Use Cases Pricing Docs Support

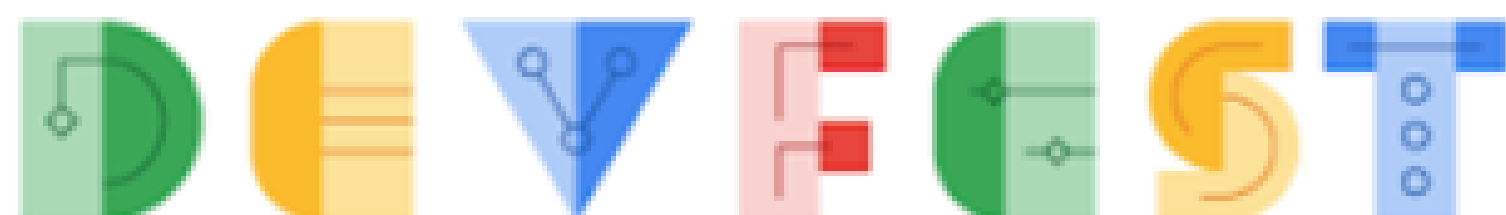
Rechercher ACCÉDER À LA CONSOLE

Firebase helps mobile app teams succeed.

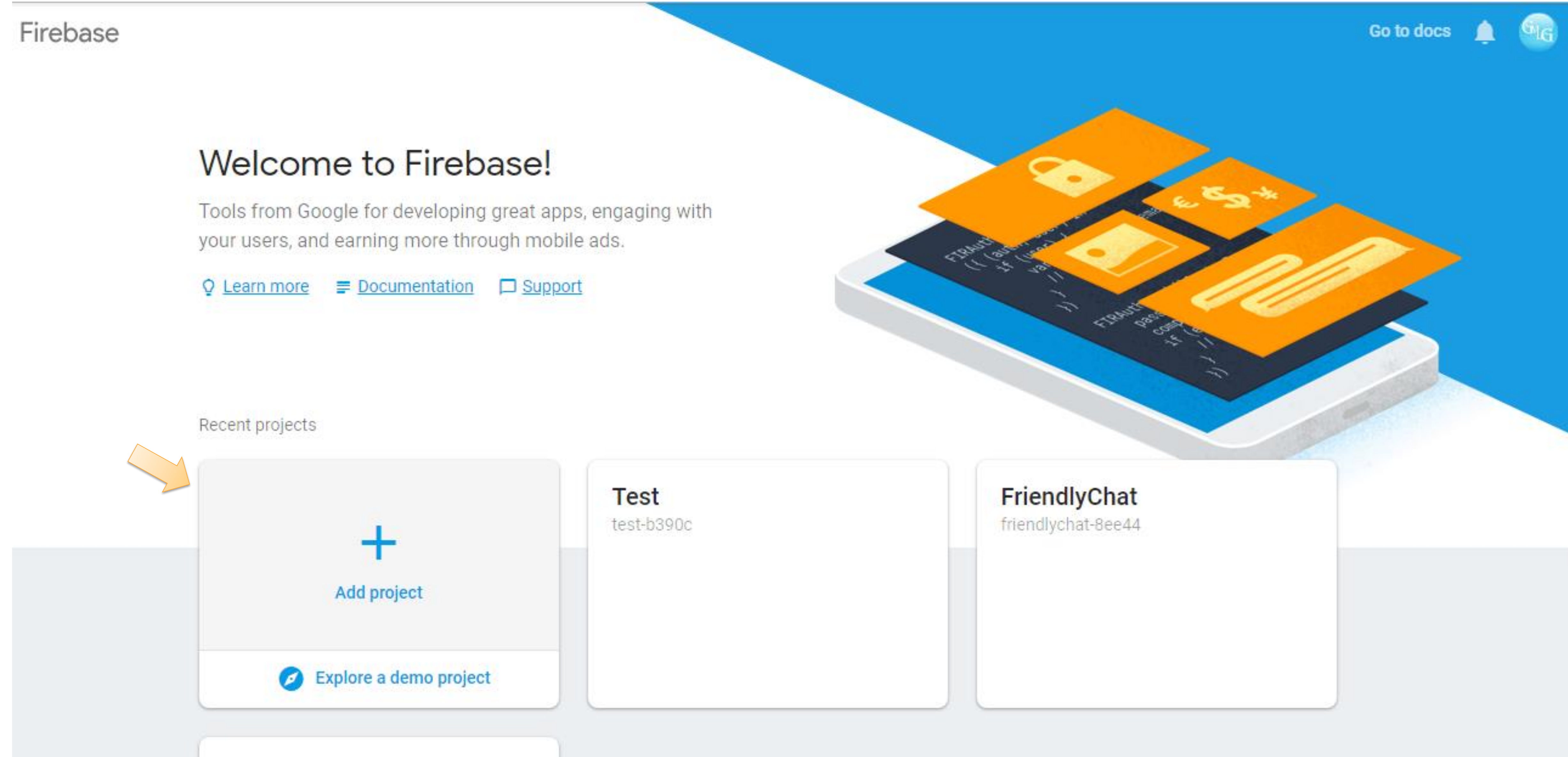
<https://firebase.google.com/>

GET STARTED WATCH THE VIDEO

Cliquer sur "GET STARTED"



Ajout de projet - Firebase



Cliquer sur "**Add projet**"

Ajout de projet - Firebase

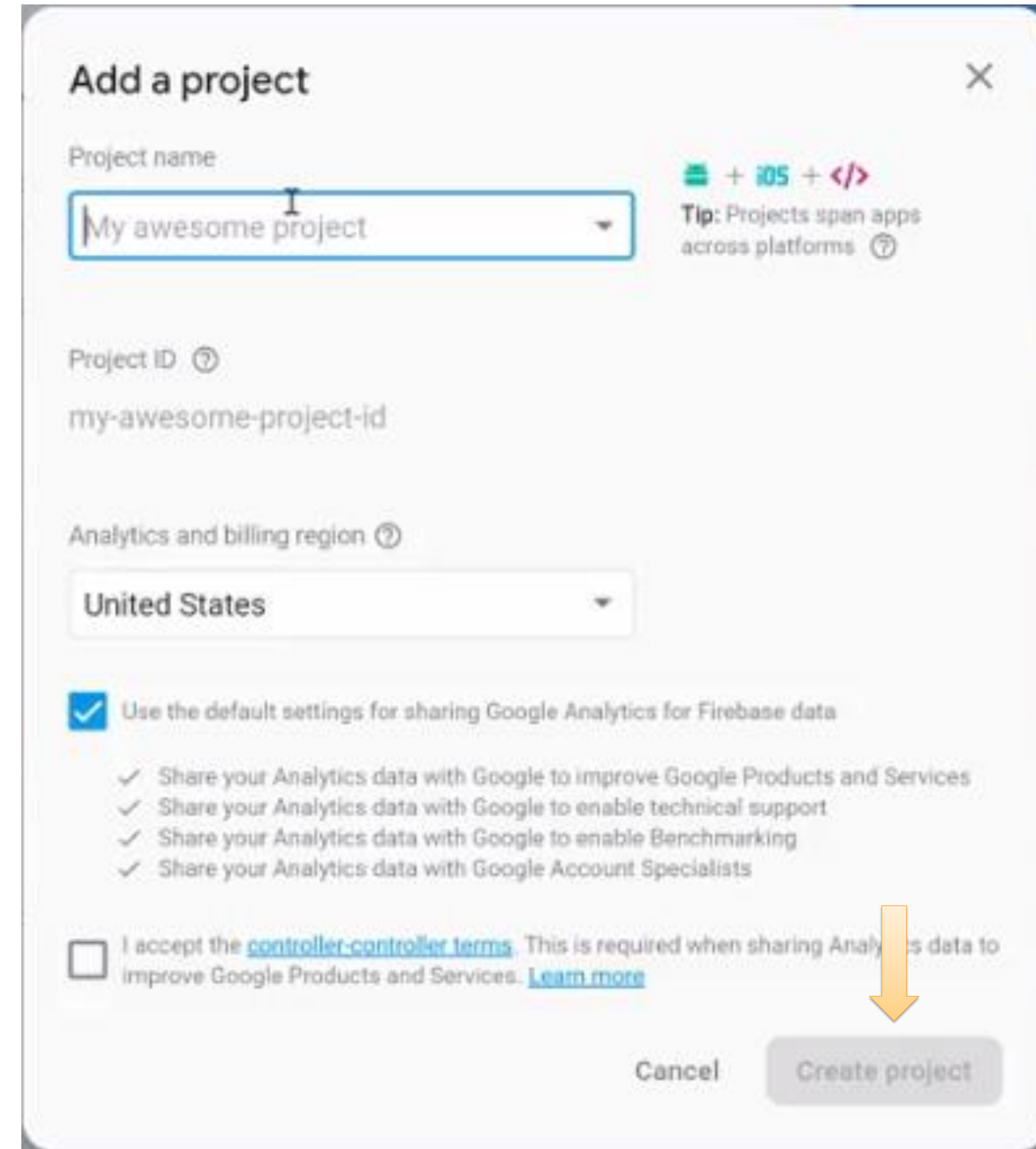
Donner un nom au projet => "**DevFestPorto**"

Project-ID => "**devfestporto-92810**"

Choisir une région => "**Benin**"

Accepter les termes

Cliquer sur "**Create project**"



The screenshot shows the 'Add a project' dialog box in the Firebase console. It includes a 'Project name' field with the text 'My awesome project', a 'Project ID' field with the text 'my-awesome-project-id', and an 'Analytics and billing region' dropdown menu set to 'United States'. There are checkboxes for 'Use the default settings for sharing Google Analytics for Firebase data' (checked) and 'I accept the controller-controller terms' (unchecked). A yellow arrow points to the 'Create project' button at the bottom right.

Add a project

Project name
My awesome project

Project ID
my-awesome-project-id

Analytics and billing region
United States

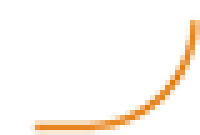
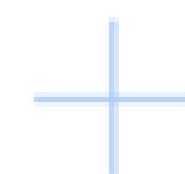
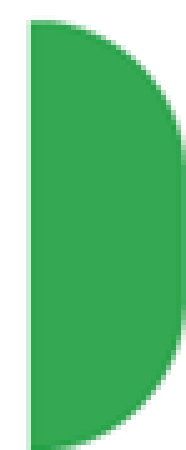
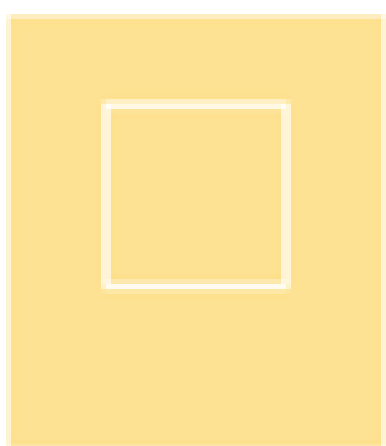
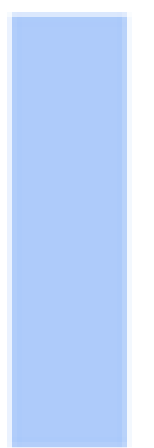
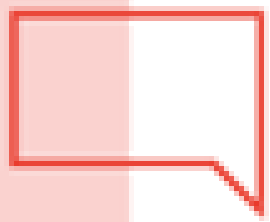
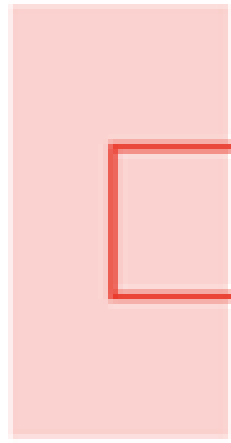
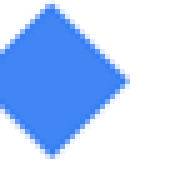
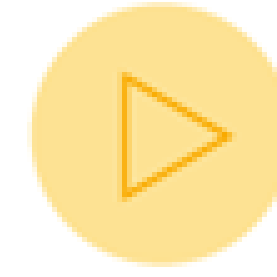
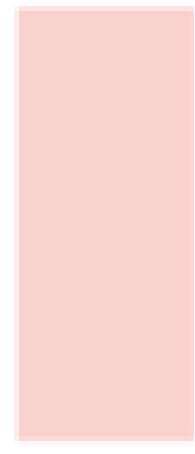
☒ Use the default settings for sharing Google Analytics for Firebase data

- ✓ Share your Analytics data with Google to improve Google Products and Services
- ✓ Share your Analytics data with Google to enable technical support
- ✓ Share your Analytics data with Google to enable Benchmarking
- ✓ Share your Analytics data with Google Account Specialists

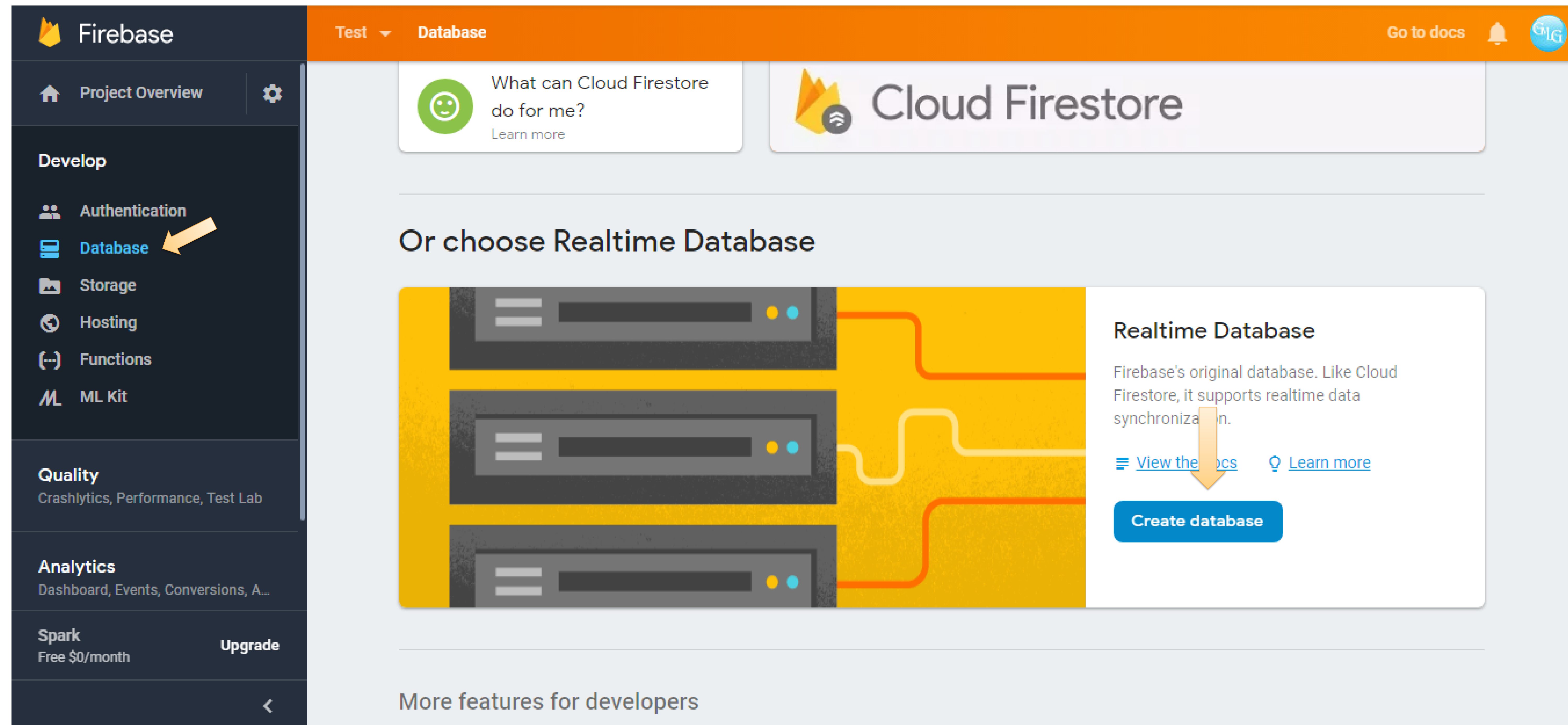
☐ I accept the [controller-controller terms](#). This is required when sharing Analytics data to improve Google Products and Services. [Learn more](#)

Cancel Create project

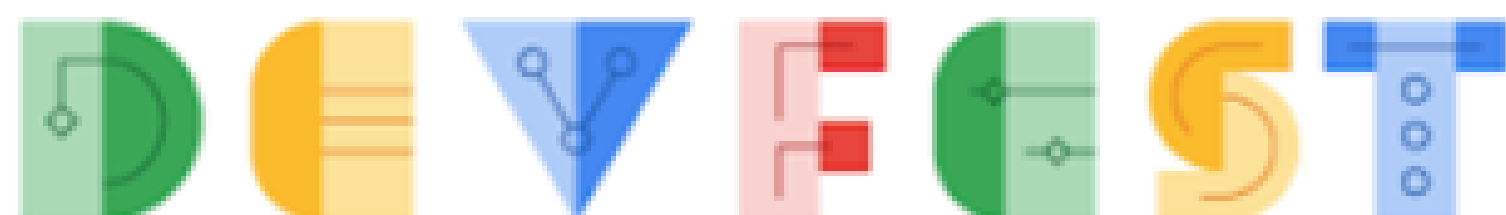
CODELAB



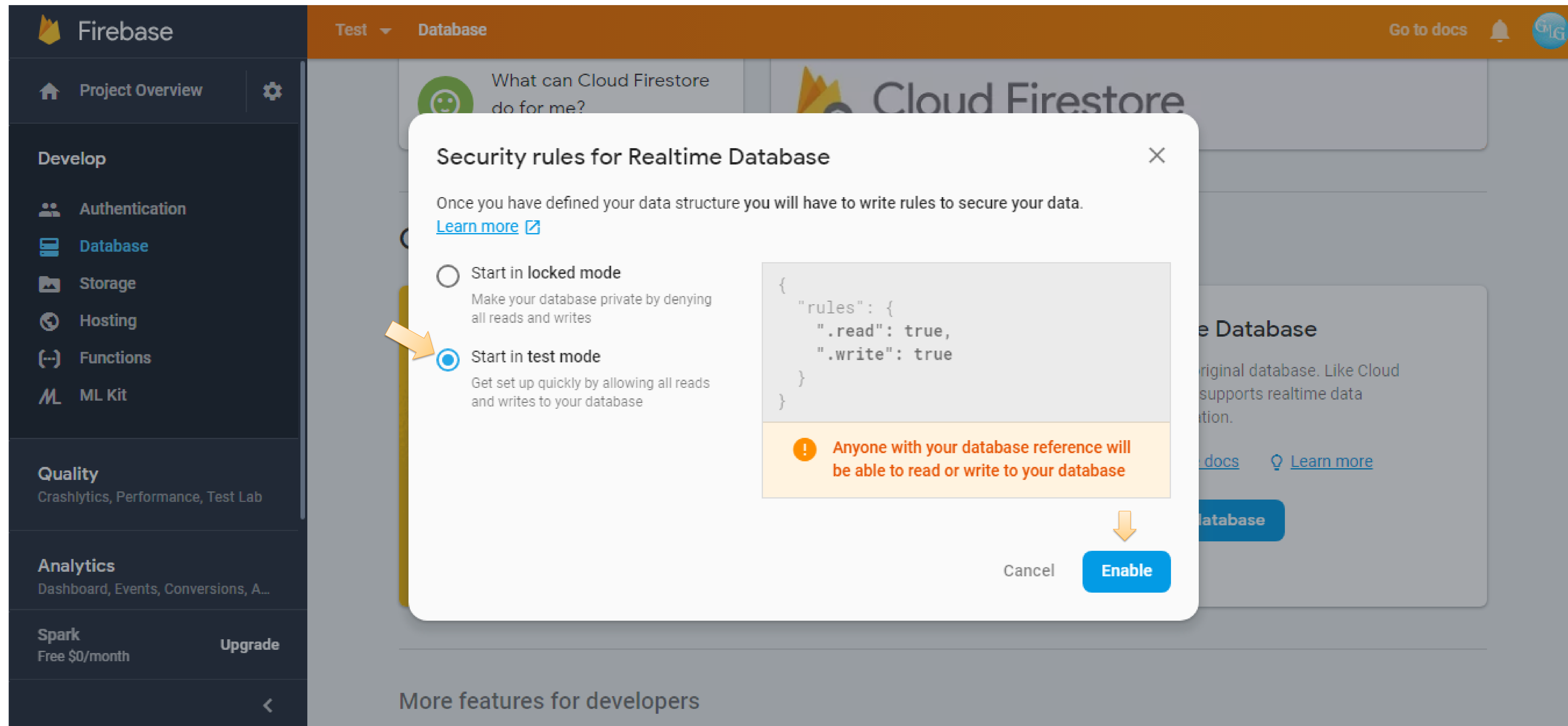
Ajout de base de données- Firebase



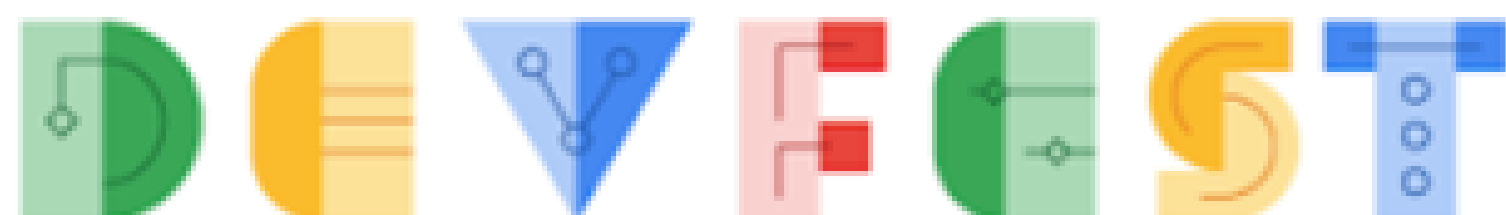
Cliquer sur **Database** => **Create database**



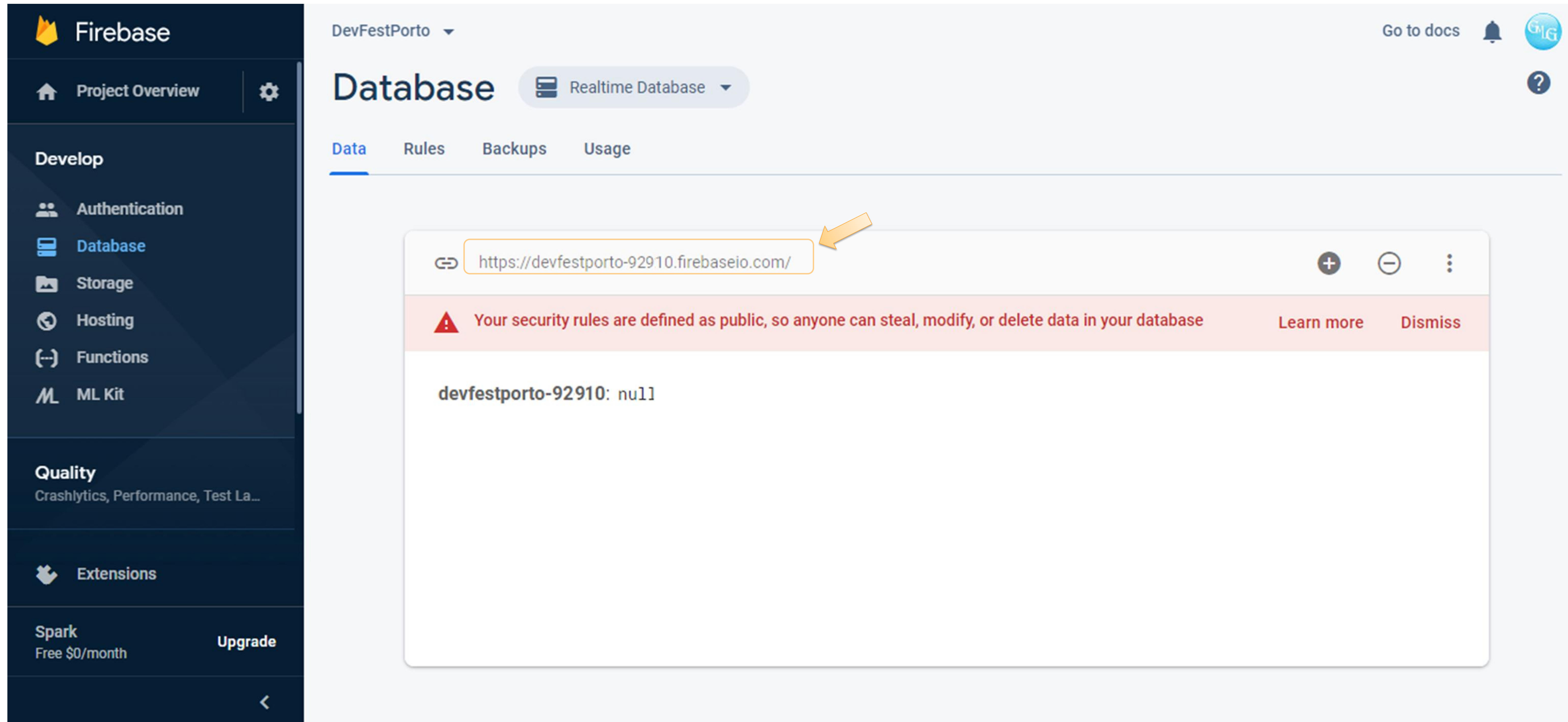
Ajout de base de données- Firebase



Mettons nous en **test mode** => **Enable**



Ajout de base de données- Firebase



The screenshot displays the Firebase console for a project named 'DevFestPorto'. The 'Database' section is selected, showing the 'Realtime Database' interface. The URL 'https://devfestporto-92910.firebaseio.com/' is highlighted with an orange arrow. A warning message is visible: 'Your security rules are defined as public, so anyone can steal, modify, or delete data in your database'. The database content shows 'devfestporto-92910: null'.

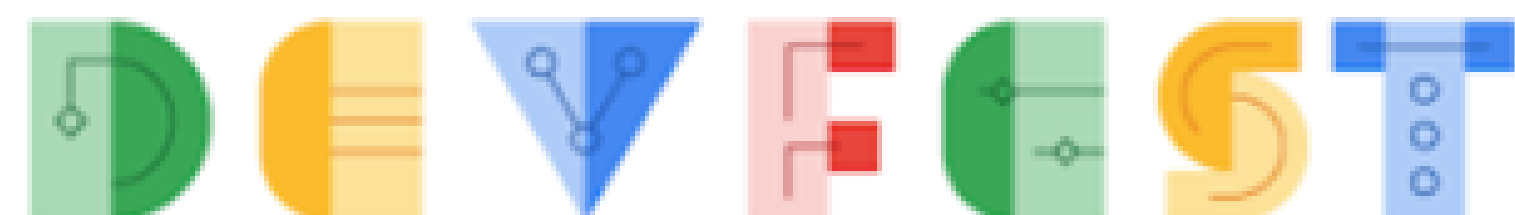
<https://devfestporto-92910.firebaseio.com/>

Mise en place d'un Agent

1. Créer un agent
2. Activer et deployer le **fulfillment**
3. Mettre en place l'intent « Add to DB »
4. Activer l'usage du **fulfillment**
5. Mettre en place l'intent « Get From DB »
6. Activer l'usage du **fulfillment**
7. Accéder à l'interface du **fulfillment**



DialogFlow



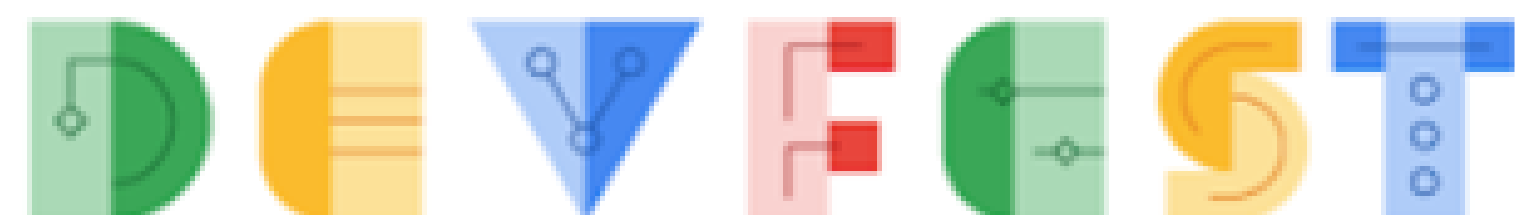
Connexion à la base de données

Importation du module

```
const admin = require('firebase-admin');
```

Initialisation

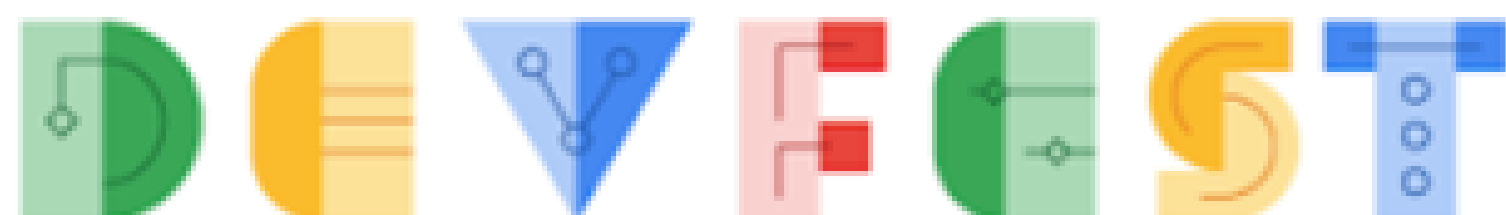
```
admin.initializeApp({  
  credential : admin.credential.applicationDefault(),  
  databaseURL : 'ws://devfestporto-92910.firebaseio.com/'  
});
```



Déclaration.Fonction.Intent

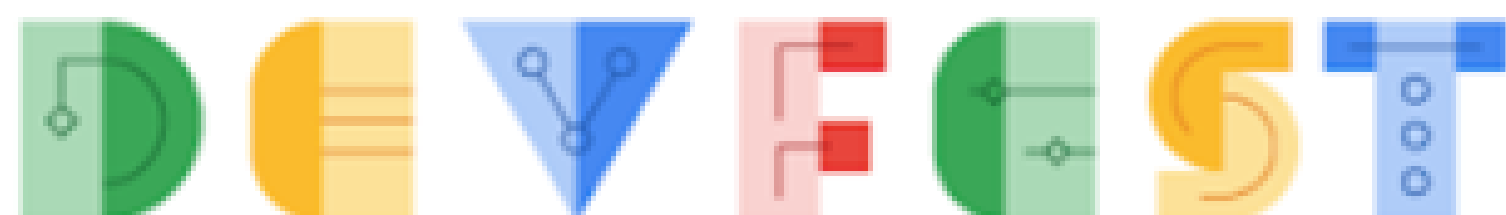
```
intentMap.set('Add To DB', addToDB);
```

```
intentMap.set('Get From DB', getFromDB);
```



Insertion dans la base de données

```
function addToDB(agent) {  
    const content = agent.parameters.text;  
    admin.database().ref('message').set({  
        text: content, nom: 'Gnac', prenom: 'Marno'  
    });  
    agent.add(`Text save successuly`);  
}
```



Lecture de la base de données

```
function getFromDB(agent) {  
    return admin.database().ref('message').once('value').then((snapshot) => {  
        const text = snapshot.child('text').val();  
        if (text !== null) {  
            agent.add(`Le text est : ${text}`);  
        }else{  
            agent.add('Aucun text trouvé');  
        }  
    });  
}
```

