


Progressive Web App PWA

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Module 3

FireBase : Real Time Data base

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Créer une base de donnée NoSQL

Real Time Data Base

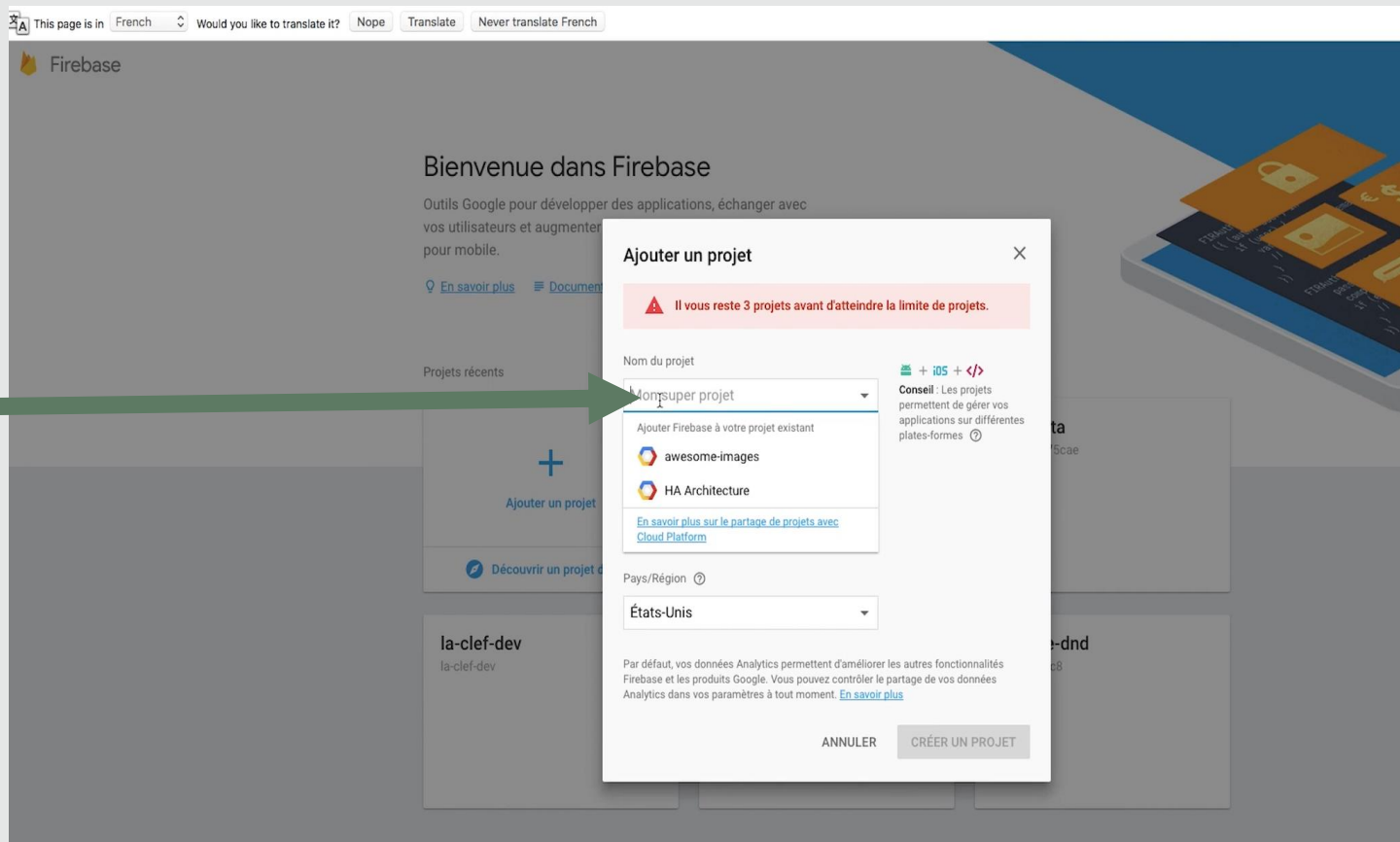
Service de Firebase permet de créer des base NoSql



FireBase : Real Time Data base

Création d'un projet

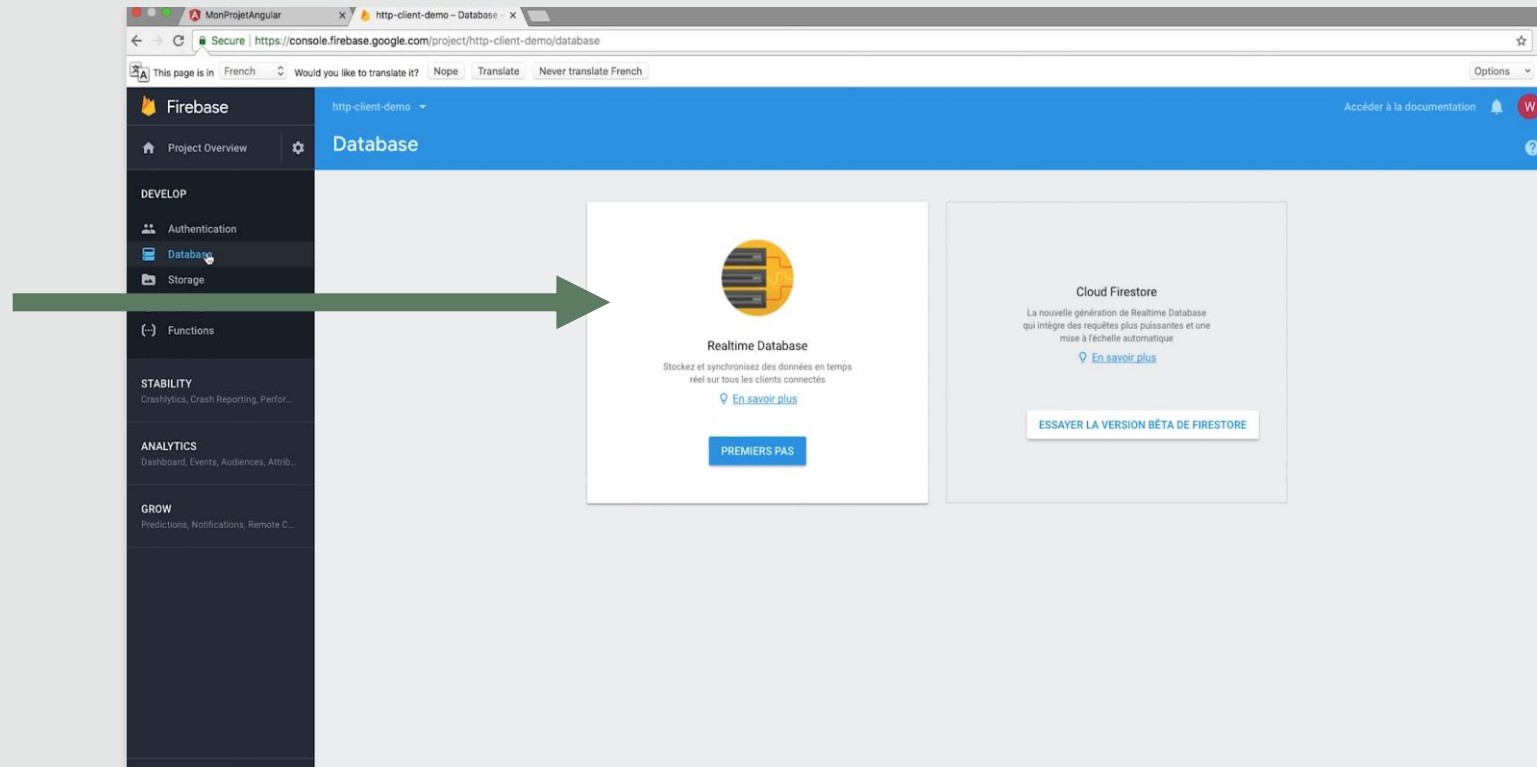
Créer un nouveau projet dans Firebase



FireBase : Real Time Data base

Création d'un projet

Choisir le service



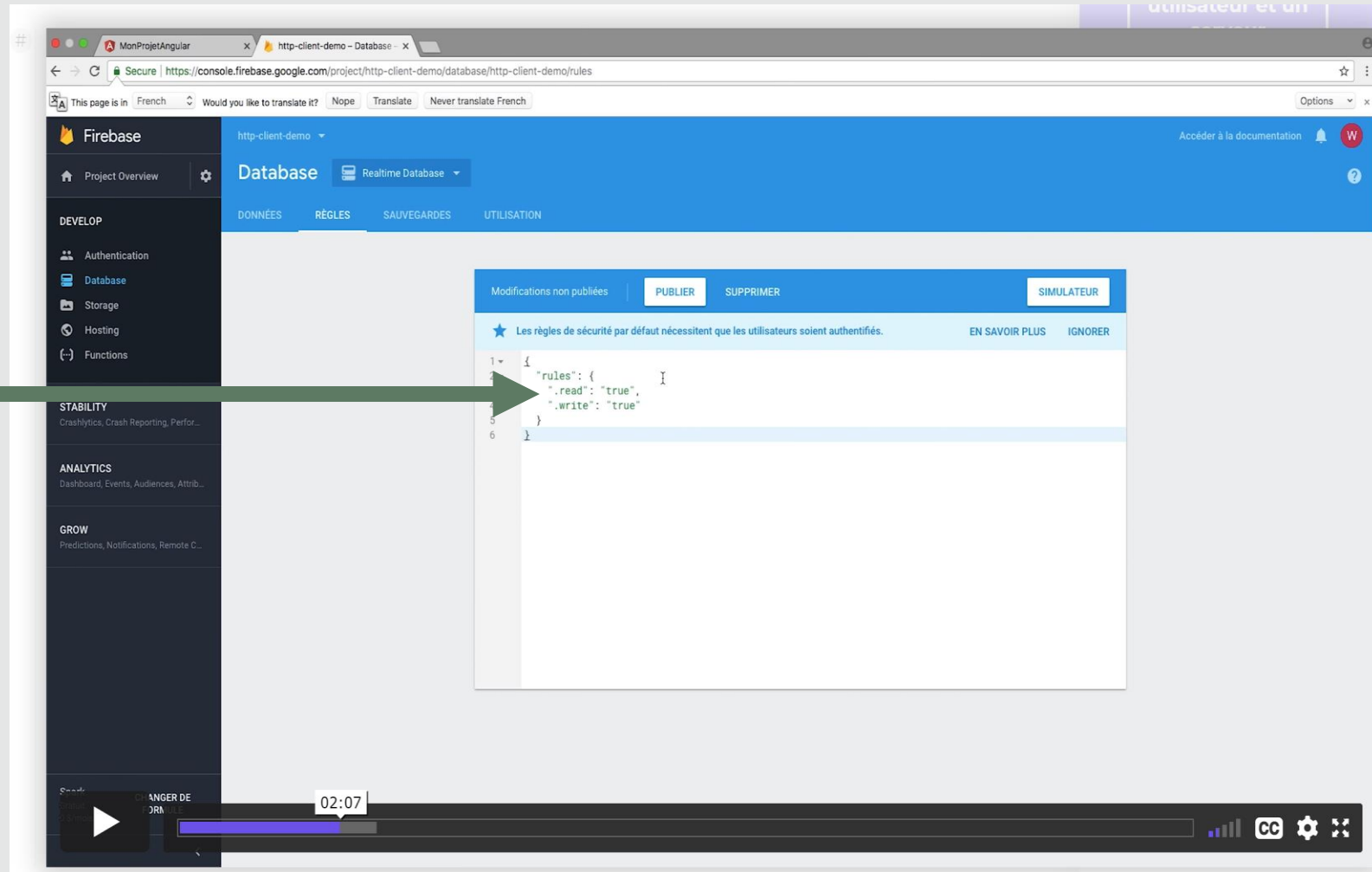
FireBase : Real Time Data base

Création d'un projet

Définir le **mode test**

ou bien mettre les règles

Read et write à **true**



FireBase : Real Time Data base

Création d'une base

<https://my-vip-cocktail-default-rtdb.europe-west1.firebaseio.com/>

Cliquer sur les chaines pour copier l'url

The screenshot displays the Firebase console interface. On the left, a sidebar menu lists various services: Project Overview, Realtime Database (highlighted), Extensions, Release Monitoring, Analytics, Engage, and All products. A green arrow points from the 'Realtime Database' menu item to the main content area. The main area shows the 'Realtime Database' page for the project 'my-vip-cocktail'. It includes tabs for Data, Rules, Backups, Usage, and Extensions. A notification banner at the top right states: 'Protect your Realtime Database resources from abuse, such as billing fraud or phishing. Configure App Check'. Below this, a code editor displays the database URL: `https://my-vip-cocktail-default-rtdb.europe-west1.firebaseio.com/`. A tree view on the left of the editor shows a node named 'personne'. At the bottom, it indicates the 'Database location: Belgium (europe-west1)'.

FireBase : Real Time Data base

Ajouter un élément : méthode POST

```
const database = 'https://my-vip-cocktail-default-rtdb.europe-west1.firebaseio.com/';
const noeud = database+'client.json';

const ajouter = async() =>{
  const client = {prenom: 'Brad', nom: 'PITT'};
  const response = await fetch(noeud, {
    method: "POST",
    headers: {
      "Content-Type": "application/json",
      "Access-Control-Allow-Origin": "*",
    },
    body: JSON.stringify(client),
  });
  const data = await response.json();
  console.log(data);
}
ajouter();
```


Firebase

Ajouter un item : méthode POST

Firebase à ajouter un nouvel élément

Avec un id

nouvel **id** : **-NtN2jcVSEIiZKTWX8bk**

Realtime Database

[Data](#) [Rules](#) [Backups](#) [Usage](#) [Extensions](#)

Protect your Realtime Database resources from abuse, such as billing fraud or phishing [Configure App Check](#)

<https://my-vip-cocktail-default-rtdb.europe-west1.firebaseio.com>

<https://my-vip-cocktail-default-rtdb.europe-west1.firebaseio.com/>

client

-NtN2jcVSEIiZKTWX8bk

nom: "PITT"

prenom: "Brad"

FireBase : Real Time Data base

Afficher la liste des éléments : methode GET

```
const afficher = async() =>{  
  const response = await fetch(noeud);  
  const data = await response.json();  
  console.log(data);  
}  
afficher();
```

FireBase : Real Time Data base

Modifier un item : méthode PATCH

```
const database = "https://my-vip-cocktail-default-rtdb.europe-west1.firebaseio.com/";
const modifier = async () => {
  const id = '-NtN2jcVSEIiZKTWX8bk';
  const objet = { nom: "CRUISE" };
  const response = await fetch(database + "client/" + id + ".json", {
    method: "PATCH",
    headers: {
      "Content-Type": "application/json",
      "Access-Control-Allow-Origin": "*",
    },
    body: JSON.stringify(objet),
  });
  const data = await response.json();
  console.log(data);
};
modifier();
```

FireBase : Real Time Data base

Effacer un item : méthode DELETE

```
const database = "https://my-vip-cocktail-default-rtdb.europe-west1.firebaseio.com/";
const effacer = async () => {
  const id = '-NtN2jcVSEIiZKTWX8bk';
  const response = await fetch(database + "client/" + id + ".json", {
    method: "DELETE",
    headers: {
      "Content-Type": "application/json",
      "Access-Control-Allow-Origin": "*",
    },
  });

  const data = await response.json();
  console.log(data);
};
effacer();
```