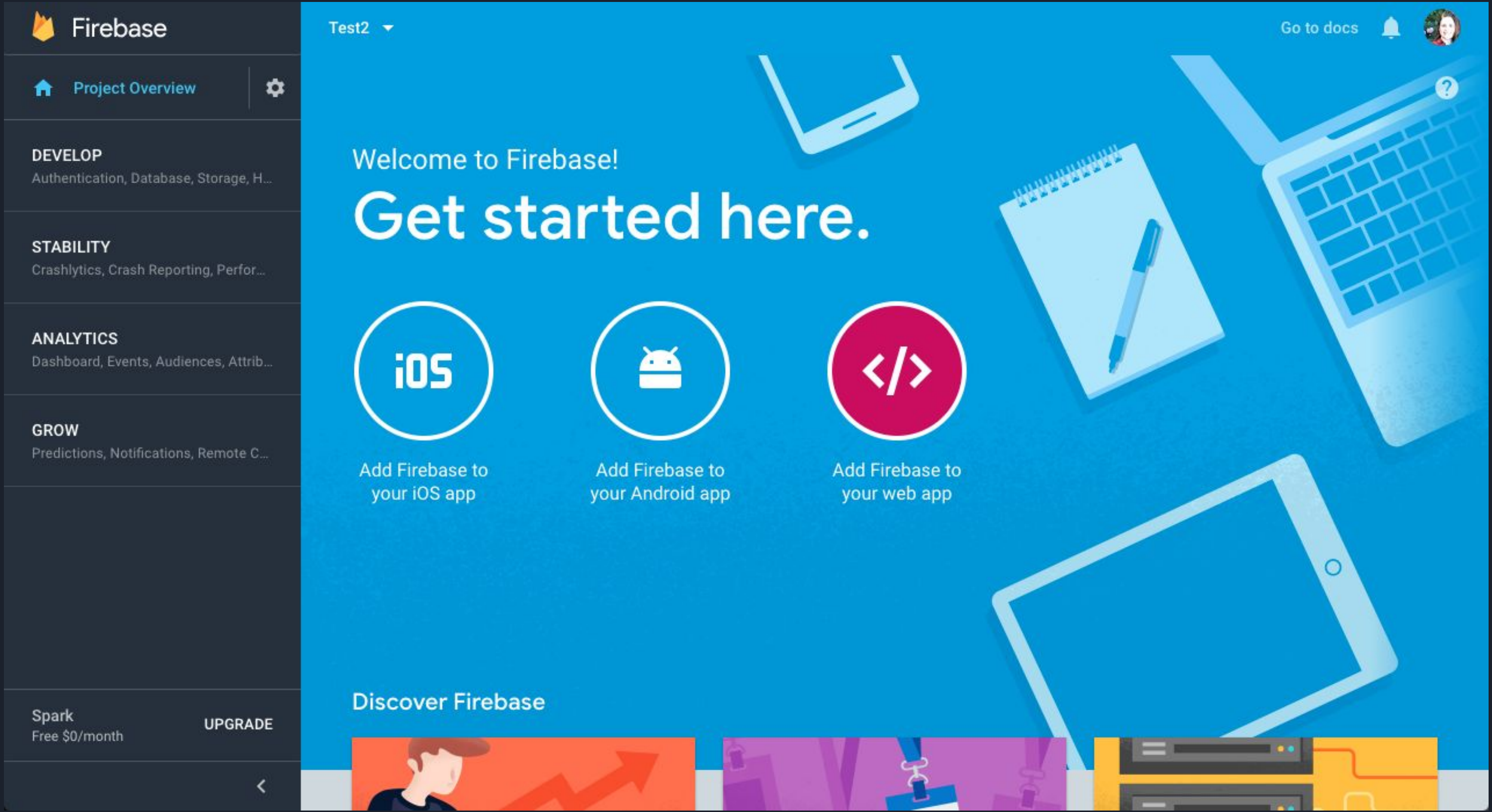
Etape 1 :



Firebase

Test2

Go to docs

Project Overview

DEVELOP
Authentication, Database, Storage, H...

STABILITY
Crashlytics, Crash Reporting, Perfor...

ANALYTICS
Dashboard, Events, Audiences, Attrib...

GROW
Predictions, Notifications, Remote C...

Spark
Free $0/month

UPGRADE

Welcome to Firebase!

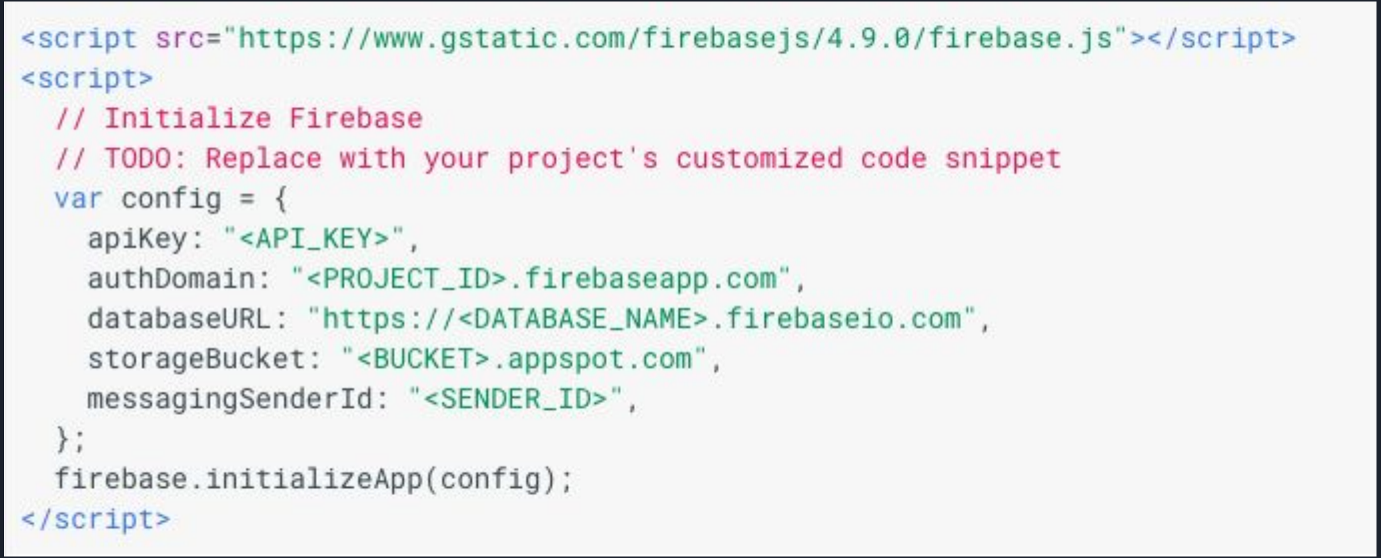
Get started here.

Add Firebase to your iOS app

Add Firebase to your Android app

Add Firebase to your web app

Discover Firebase



```
<script src="https://www.gstatic.com/firebasejs/4.9.0/firebase.js"></script>
<script>
  // Initialize Firebase
  // TODO: Replace with your project's customized code snippet
  var config = {
    apiKey: "<API_KEY>",
    authDomain: "<PROJECT_ID>.firebaseapp.com",
    databaseURL: "https://<DATABASE_NAME>.firebaseio.com",
    storageBucket: "<BUCKET>.appspot.com",
    messagingSenderId: "<SENDER_ID>",
  };
  firebase.initializeApp(config);
</script>
```

```
export const environment = {
  firebase: {
    apiKey: "YOUR_API_KEY",
    authDomain: "YOUR_AUTH_DOMAIN",
    databaseURL: "YOUR_DATABASE_URL",
    projectId: "YOUR_PROJECT_ID",
    storageBucket: "YOUR_STORAGE_BUCKET",
    messagingSenderId: "YOUR_SENDER_ID"
  }
};
```

Etape 2 : Installation du AngularFire2

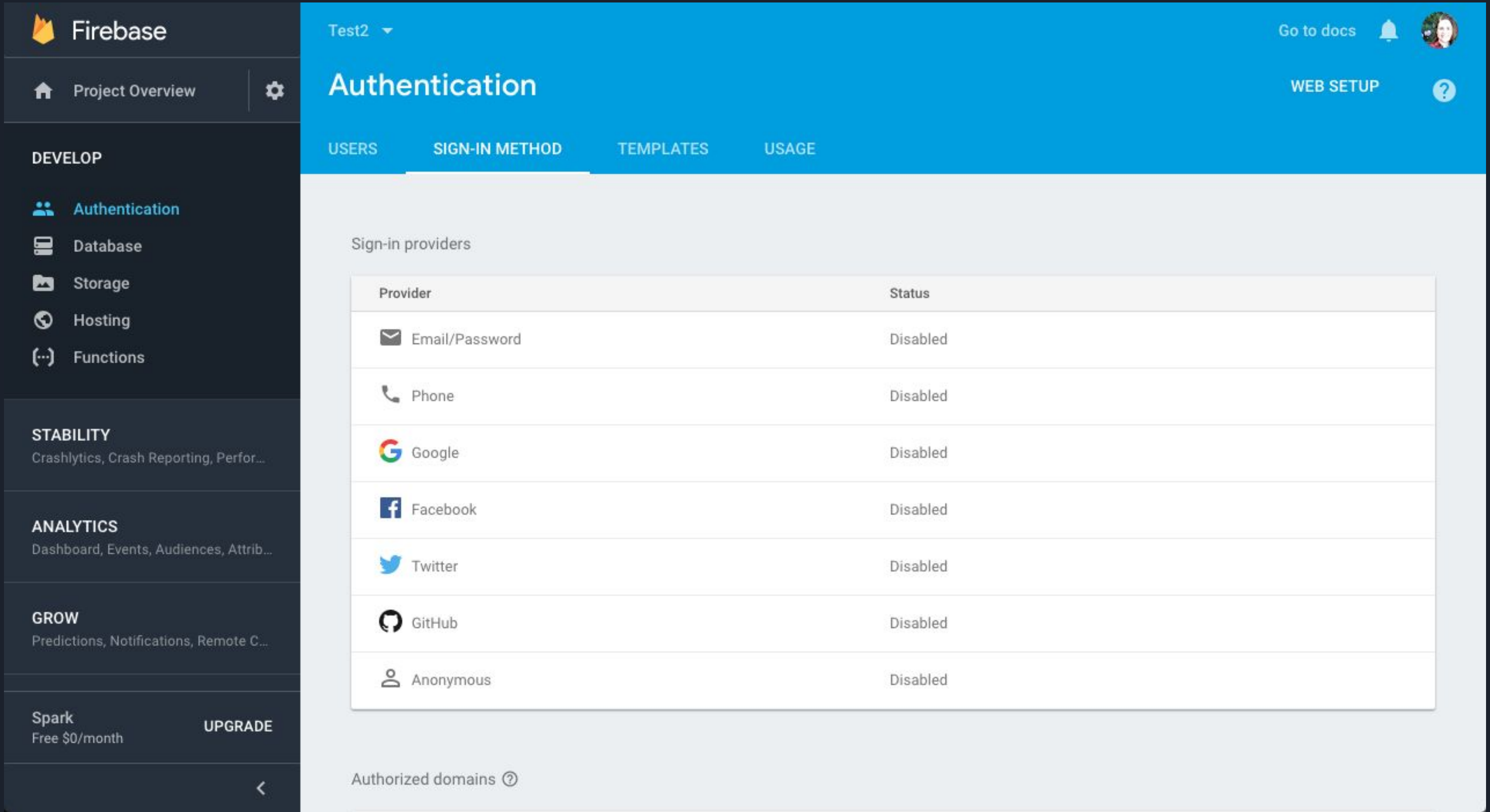
```
npm install firebase angularfire2 --save
```

Etape 3 : Update AppModule

```
import { AngularFireModule } from 'angularfire2';
import { AngularFirestoreModule } from 'angularfire2/firestore';
import { AngularFireAuthModule } from 'angularfire2/auth';
import { environment } from '../environments/environment';

imports: [
  AngularFireModule.initializeApp(environment.firebase),
  AngularFirestoreModule, // imports firebase/firestore, only needed for database features
  AngularFireAuthModule, // imports firebase/auth, only needed for auth features
]
```

Etape 4 : Configurer les méthodes de connexion FireBase



Sign-in providers

Provider	Status
Email/Password	Disabled
Phone	Disabled
Google	Disabled
Facebook	Disabled
Twitter	Disabled
GitHub	Disabled
Anonymous	Disabled

Authorized domains

Etape 5 : Préparation du service

```
import { AngularFireAuth } from 'angularfire2/auth';
import * as firebase from 'firebase/app';

.
.

constructor(public afAuth: AngularFireAuth ) {

 }
```

A. Authentification avec email & password

1. Register Component : Création du Form Group :

```
this.registerForm = new FormGroup({
     'email' : new FormControl(),
     'password' : new FormControl()
   })
```

A. Authentification avec email & password

2. Register Template : Formulaire en HTML :

```
<form [formGroup]="registerForm">
 <div class="form-group">
   <label>Email address</label>
   <input type="email" formControlName="email" class="form-control" required>
 </div>
 <div class="form-group">
   <label>Password</label>
   <input type="password" class="form-control" formControlName="password" required>
   <label class="error">{{errorMessage}}</label>
   <label class="success">{{successMessage}}</label>
 </div>
 <button type="submit" (click)="registerAction(registerForm.value)" class="btn
btn-default">Register</button>
</form>
```

A. Authentification avec email & password

3. Register Component : RegisterAction :

```
registerAction(value){
   this.authService.doRegister(value)
   .then(res => {
     console.log(res);
     this.errorMessage = "";
     this.successMessage = "Your account has been created";
   }, err => {
     console.log(err);
     this.errorMessage = err.message;
     this.successMessage = "";
   })
 }
```

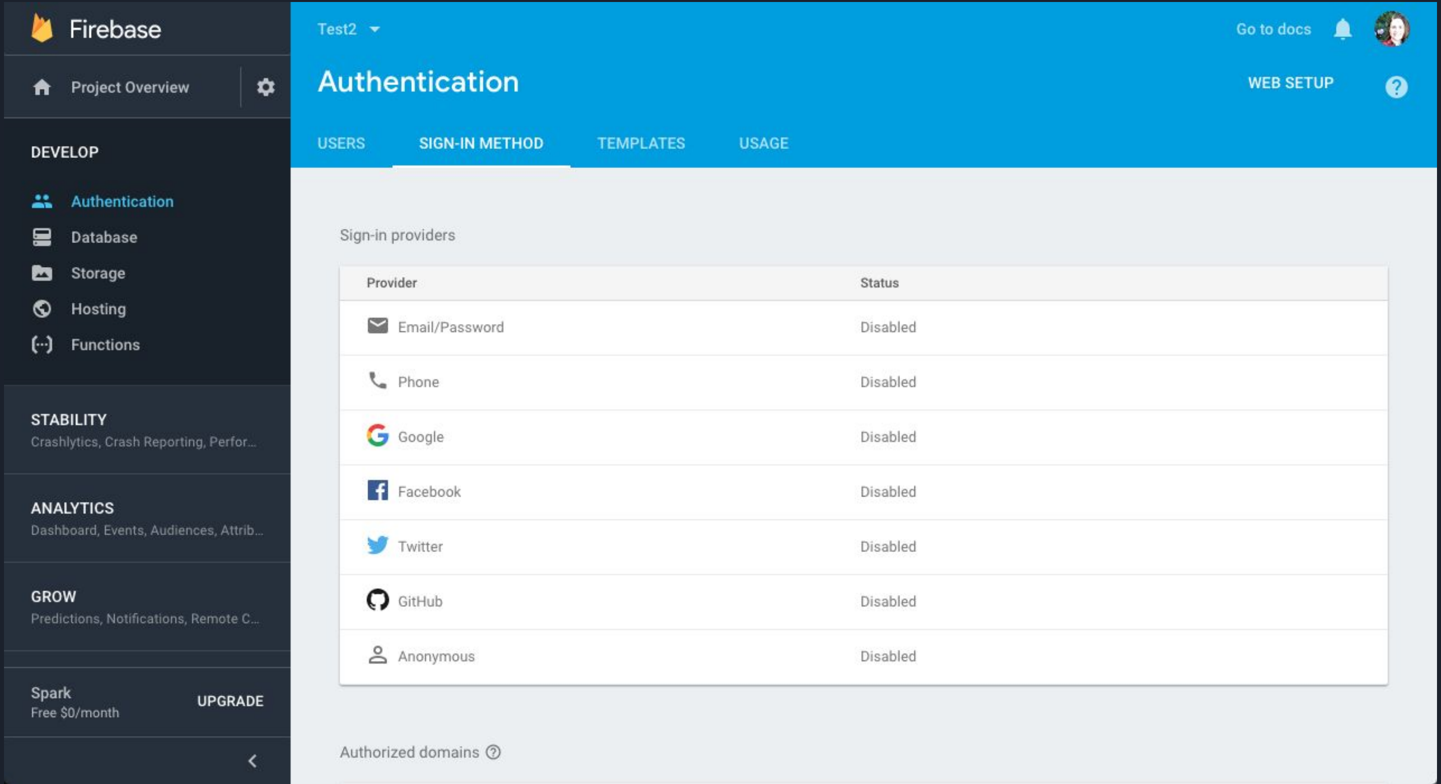
A. Authentification avec email & password

4. AuthService

```
doRegister(value){
   return new Promise<any>((resolve, reject) => {
     firebase.auth().createUserWithEmailAndPassword(value.email,
value.password)
     .then(res => {
       resolve(res);
     }, err => reject(err))
   })
 }
```

A. Authentification avec email & password

5. Activer La méthode de connexion avec email & password



Sign-in providers

Provider	Status
Email/Password	Disabled
Phone	Disabled
Google	Disabled
Facebook	Disabled
Twitter	Disabled
GitHub	Disabled
Anonymous	Disabled

Authorized domains

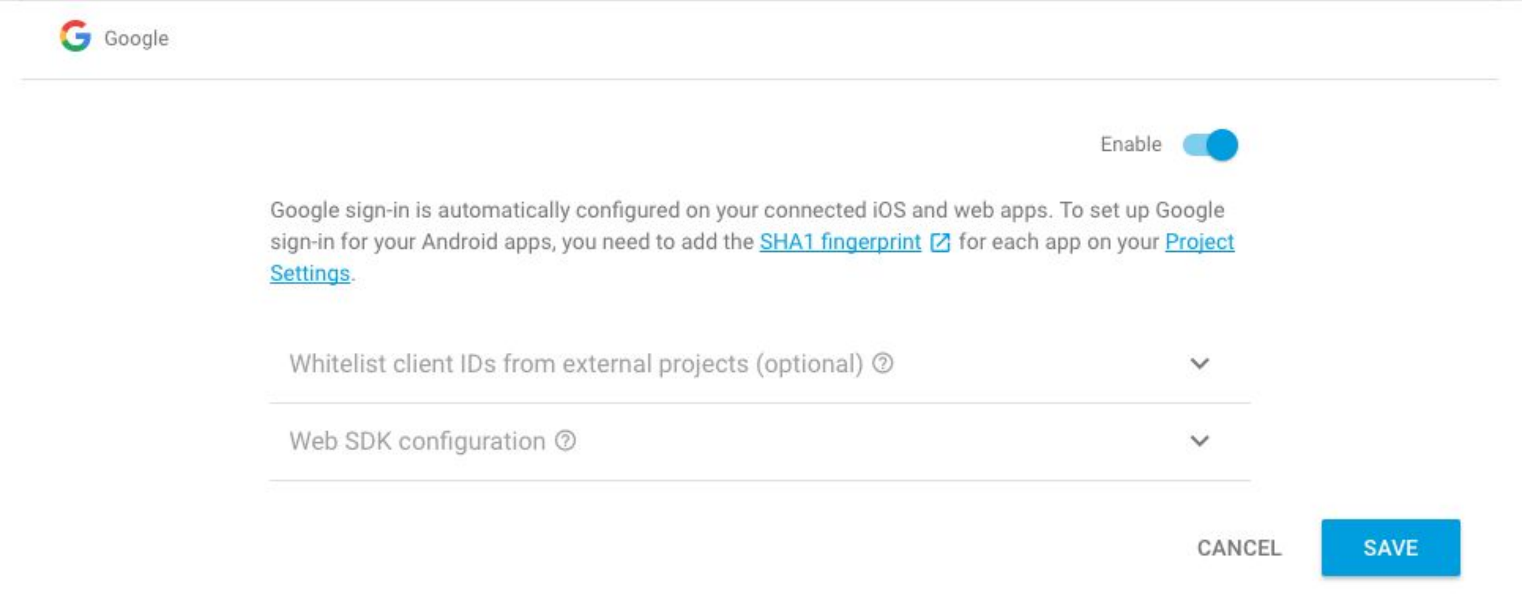
A. Authentification avec email & password

5. Login : Même que l’inscription

```
firebase.auth().signInWithEmailAndPassword(value.email, value.password)
```

B. Authentification avec Google Account

1. Setup fireBase



Enable ●

Google sign-in is automatically configured on your connected iOS and web apps. To set up Google sign-in for your Android apps, you need to add the SHA1 fingerprint for each app on your Project Settings.

B. Authentification avec Google Account

2. Auth Service

```
doGoogleLogin(){

   return new Promise<any>((resolve, reject) => {
     let provider = new firebase.auth.GoogleAuthProvider();
     provider.addScope('profile');
     provider.addScope('email');
     this.afAuth.auth
     .signInWithPopup(provider)
     .then(res => {
       resolve(res);
       console.log(res.additionalUserInfo.profile);
       console.log(res.additionalUserInfo.profile);
     })
   })
 }
```