



Backend As A Service with Firebase

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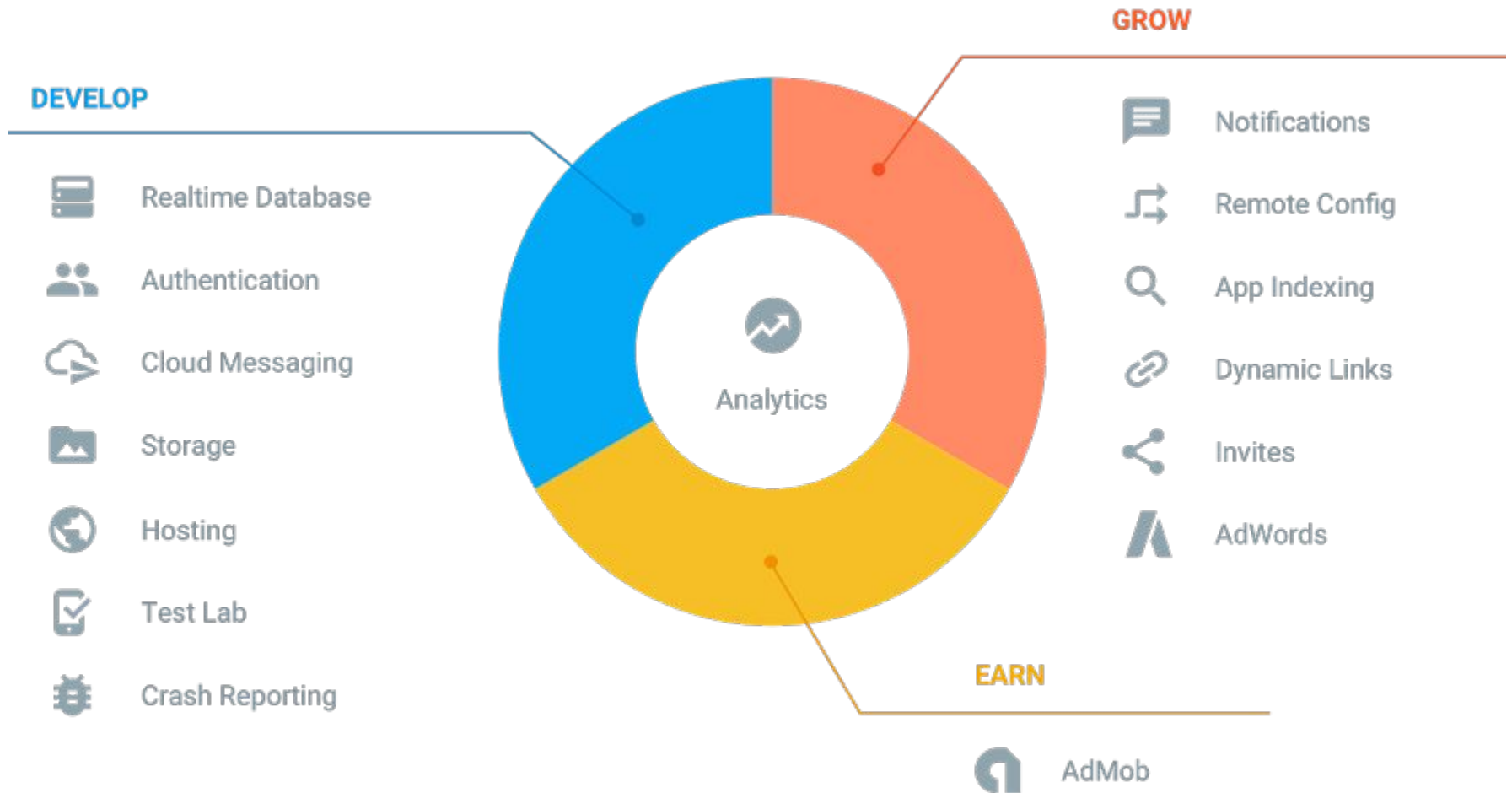
Agenda

- Qué es Firebase
- Realtime Database
- Autenticación
- Hosting
- DEMO

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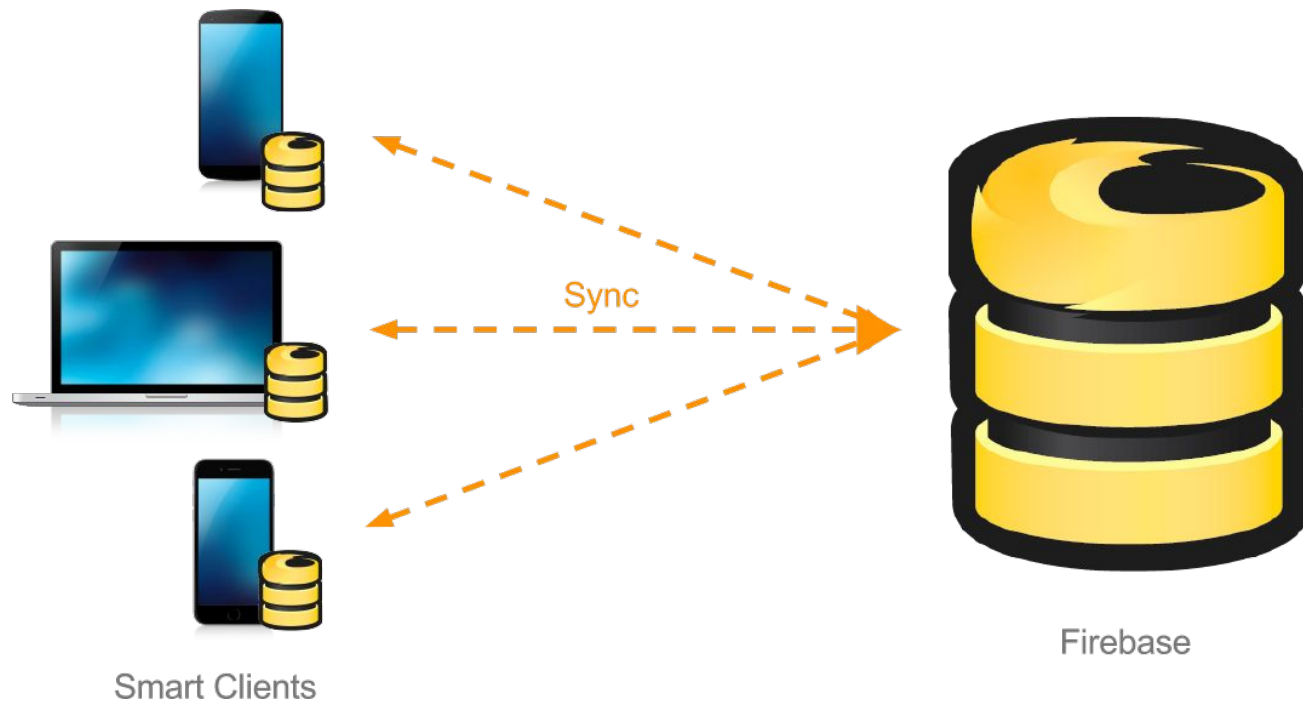
Qué es Firebase



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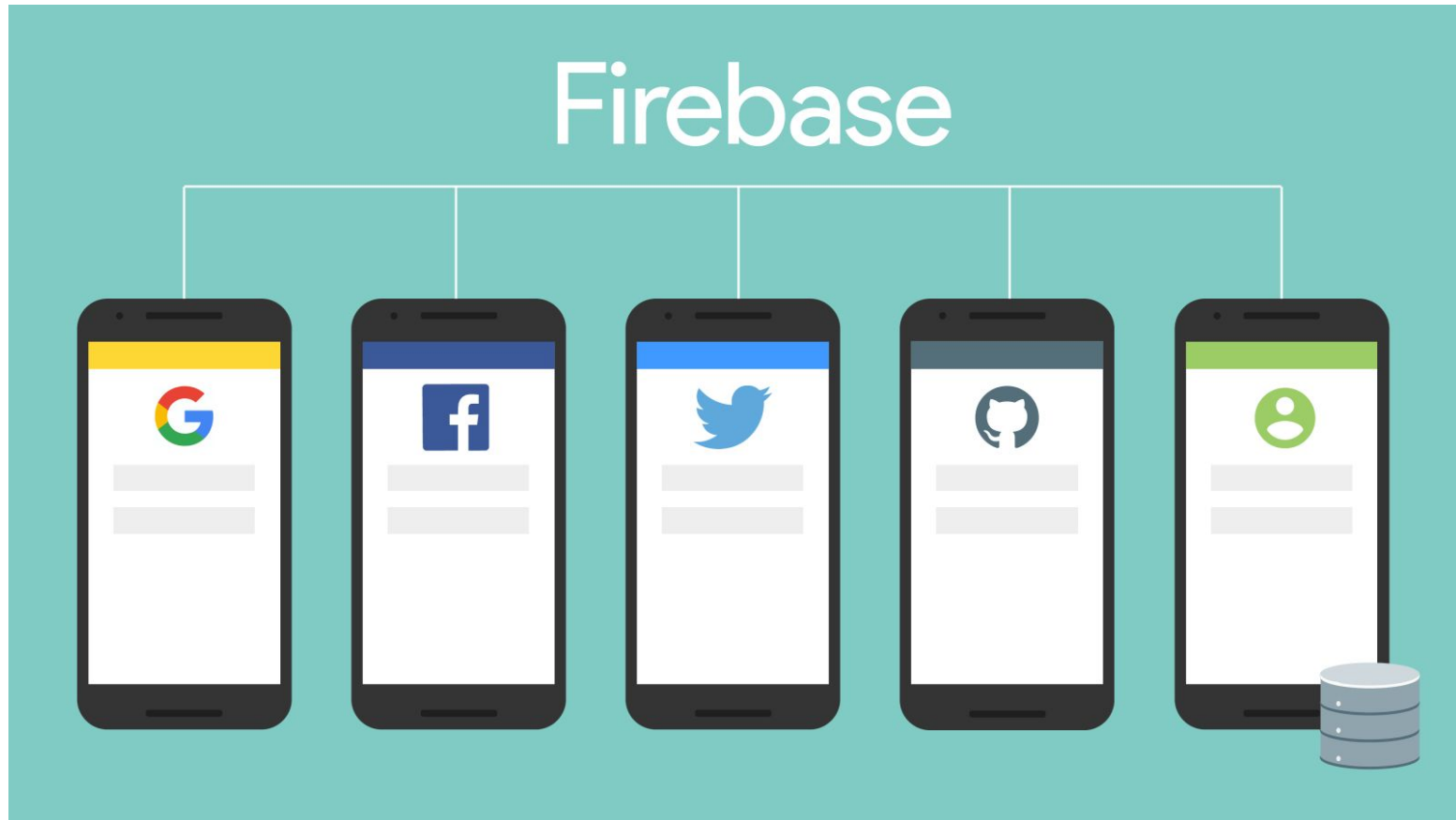
Realtime Database



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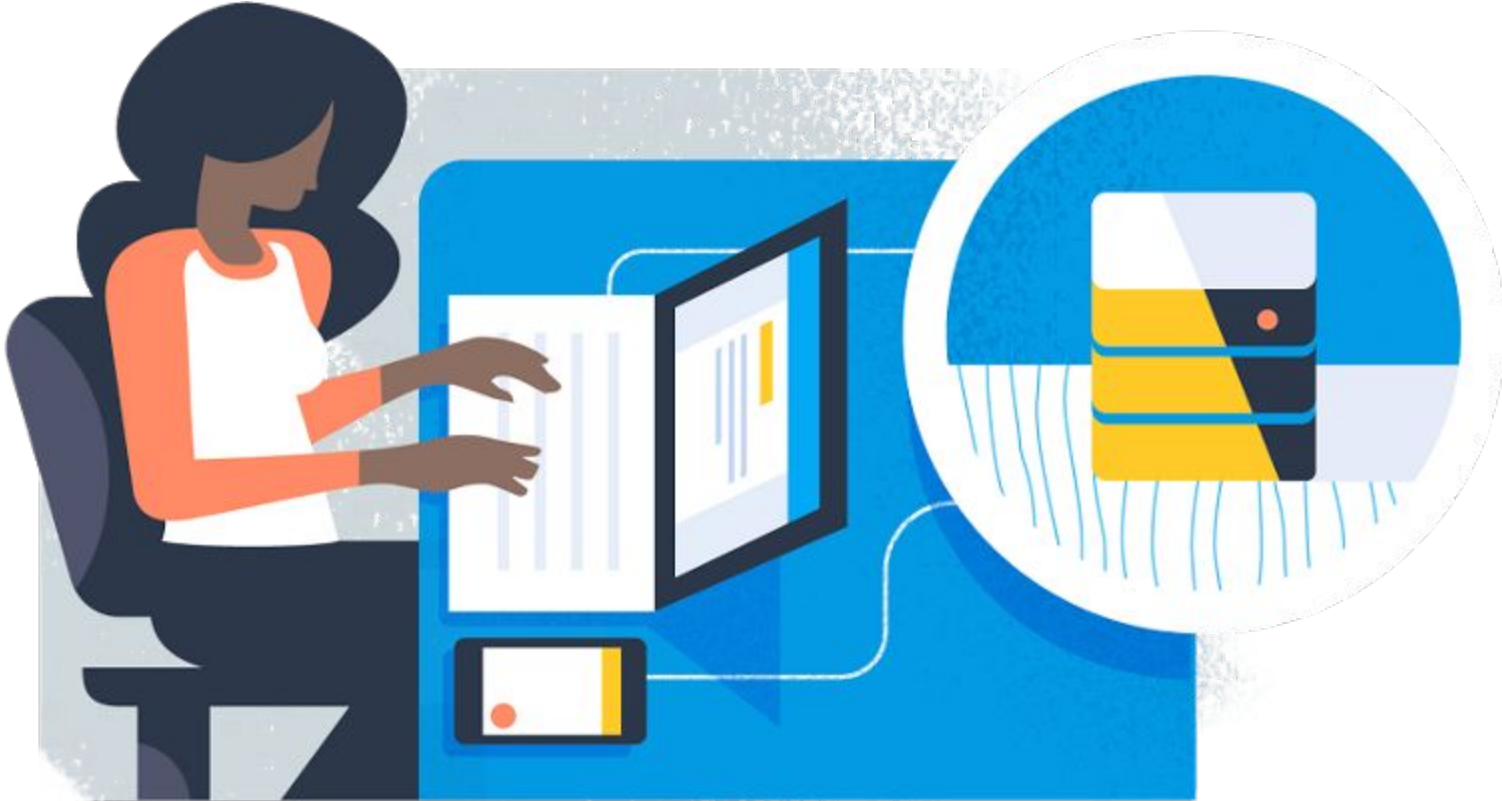
Autenticación



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Hosting



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DEMO

Collision Game

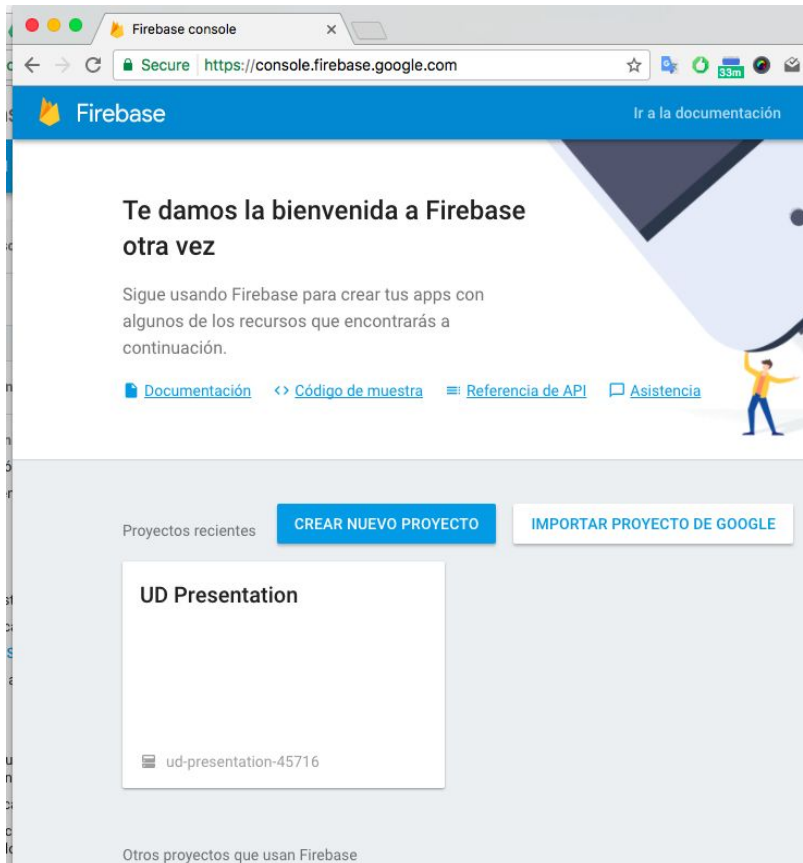
Repo:

<https://gitlab.com/elin3t/collision-game>

Demo:

<https://collision-game-a898a.firebaseio.com>

Crear Proyecto



Te damos la bienvenida a Firebase. Comienza aquí.



Agrega Firebase a tu app para iOS



Agrega Firebase a tu app para Android



Agrega Firebase a tu aplicación web

Agregar Firebase a tu app web

Copiar y pegar el siguiente fragmento en la parte inferior del código HTML, antes de otras etiquetas de secuencia de comandos.

```
<script src="https://www.gstatic.com/firebasejs/3.6.10/firebase.js"></scrip
<script>
// Initialize Firebase
var config = {
  apiKey: "AIzaSyDgwY_bnkpi1KmMKPE1etm6V7eqh3S9Dyc",
  authDomain: "ud-presentation-45716.firebaseio.com",
  databaseURL: "https://ud-presentation-45716.firebaseio.com",
  storageBucket: "ud-presentation-45716.appspot.com",
  messagingSenderId: "752128480017"
};
firebase.initializeApp(config);
</script>
```

[COPIAR](#)

Revisa estos recursos para obtener más información sobre Firebase para apps web:

- [Get Started with Firebase for Web Apps](#)
- [Firebase Web SDK API Reference](#)
- [Firebase Web Samples](#)

Firebase CLI

```
$ npm install -g firebase-tools
```

```
$ firebase login
```

```
$ firebase init
```

```
$ firebase serve
```

```
$ firebase deploy
```

```
$ firebase deploy --only hosting #database or storage
```

Database Rules

```
1.  {
2.    "rules": {
3.      "usuarios": {
4.        "$user_id": {
5.          ".write": "$user_id === auth.uid"
6.        },
7.        ".read": "auth != null"
8.      }
9.    }
10.  }
11.
```



Authentication

```
1.  
2. var provider = new firebase.auth.GoogleAuthProvider();  
3. provider.addScope('https://www.googleapis.com/auth/plus.login');  
4.  
5. firebase.auth().signInWithPopup(provider).then(function(result) {  
6.   var token = result.credential.accessToken;  
7.   console.log(result.user);  
8. }).catch(function(error) {  
9.   // Handle Errors here.  
10.  console.log(error);  
11. });  
12.
```




Query DB

```
1.  
2. function writeUserData(userId, name, email, imageUrl) {  
3.   firebase.database().ref('users/' + userId).set({  
4.     username: name,  
5.     email: email,  
6.     profile_picture : imageUrl  
7.   });  
8. }  
9. var starCountRef = firebase.database().ref('posts/' + postId +  
   '/starCount');  
10. starCountRef.on('value', function(snapshot) {  
11.   updateStarCount(postElement, snapshot.val());  
12. });  
13.
```

Eventos

1. `var commentsRef = firebase.database().ref('post-comments/' + postId);`
2. `commentsRef.on('child_added', function(data) {`
3. `addCommentElement(postElement, data.key, data.val().text, data.val().author);`
4. `});`
- 5.
6. `commentsRef.on('child_changed', function(data) {`
7. `setCommentValues(postElement, data.key, data.val().text, data.val().author);`
8. `});`
- 9.
10. `commentsRef.on('child_removed', function(data) {`
11. `deleteComment(postElement, data.key);`
12. `});`



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