

# Android Studio Firebase auth

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O Google tem o compromisso de promover a igualdade racial para as

# Firebase helps you build and run successful apps

Backed by Google and loved by app development  
teams - from startups to global enterprises

[Primeiros passos](#)[Try demo](#)[Watch video](#)

# Firebase

## Seus projetos do Firebase



Adicionar projeto


Criar um  
novo  
projeto

× Criar um projeto(Passo 1 de 3)

Vamos começar com um  
nome para o projeto<sup>?</sup>

Nome do projeto

pdmFirebase

 pdmfirebase-3c53c

Continuar

Nome do  
projeto

× Criar um projeto(Passo 2 de 2)

## Google Analytics para seu projeto do Firebase

O Google Analytics é uma solução de análise gratuita e ilimitada. Com ele, é possível segmentar, gerar relatórios e muito mais nos seguintes produtos: Firebase Crashlytics, Cloud Messaging, Mensagens no app, Configuração remota, Teste A/B, Previsões e Cloud Functions.

O Google Analytics ativa:

- × Teste A/B ⓘ
- × Segmentação de usuários em produtos do Firebase ⓘ
- × Previsão do comportamento de usuários ⓘ
- × Usuários sem falhas ⓘ
- × Gatilhos do Cloud Functions com base em eventos ⓘ
- × Geração de relatórios ilimitada gratuita ⓘ

Ativar o Google Analytics neste projeto  
Recomendado

[Anterior](#)

[Criar projeto](#)

# Desative google Analytics



pdmFirebase


✓ Seu novo projeto está pronto



[Continuar](#)

# Projeto Criado








Browser tabs: pdmFirebase – Visão geral – Con. x +

Address bar: console.firebase.google.com/u/1/project/pdmfirebase-3c53c/over

Header:  **Firebase** pdmFirebase ▾

Navigation:  [Visão geral do projeto](#) 

Section: Criação













-  Authentication
-  Firestore
-  Realtime Database
-  Storage
-  Hosting
-  Functions
-  Machine Learning

Ative  
autenticação  
por e-mail e  
senha

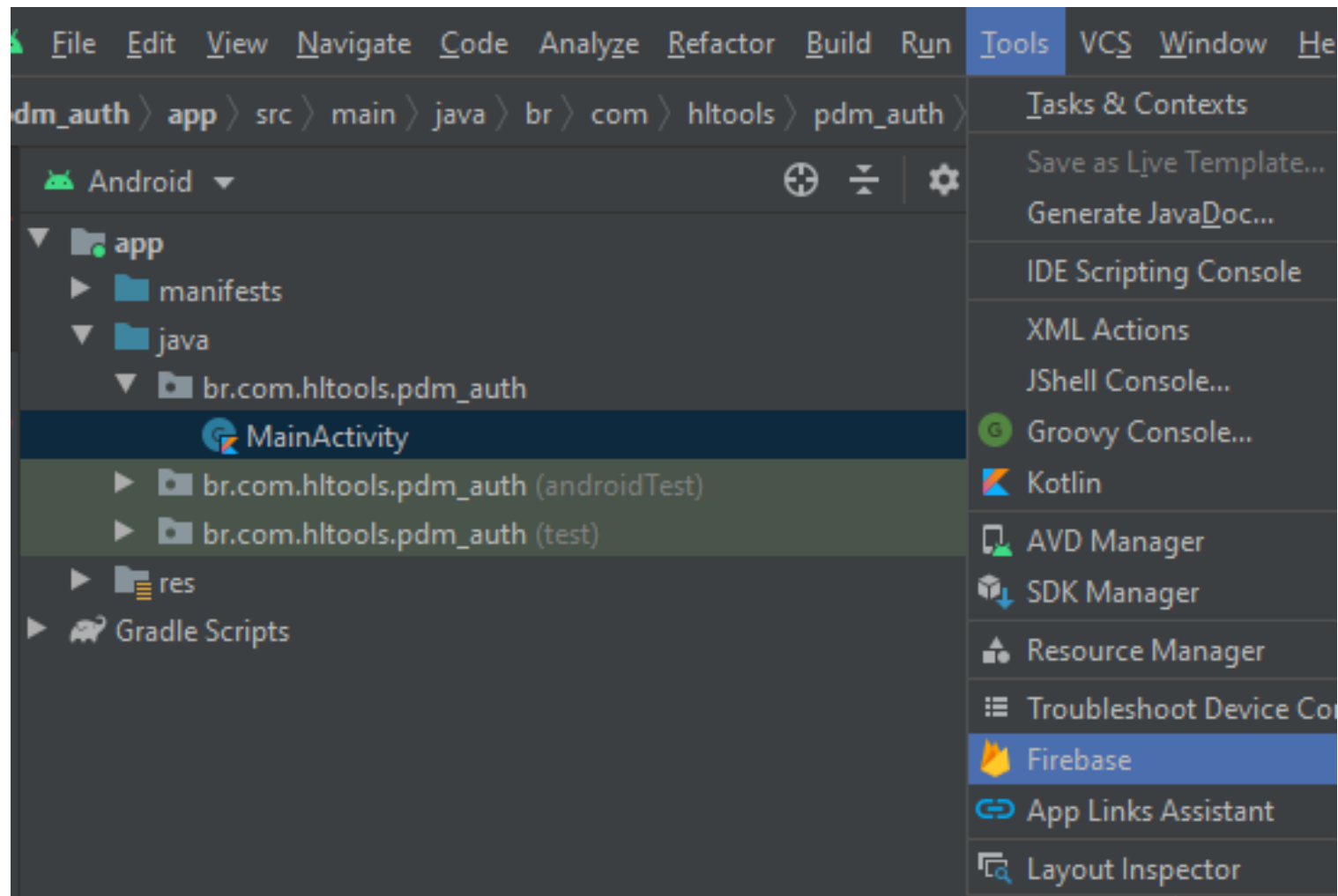
## Authentication

Users [Sign-in method](#) Templates Usage

### Provedores de login

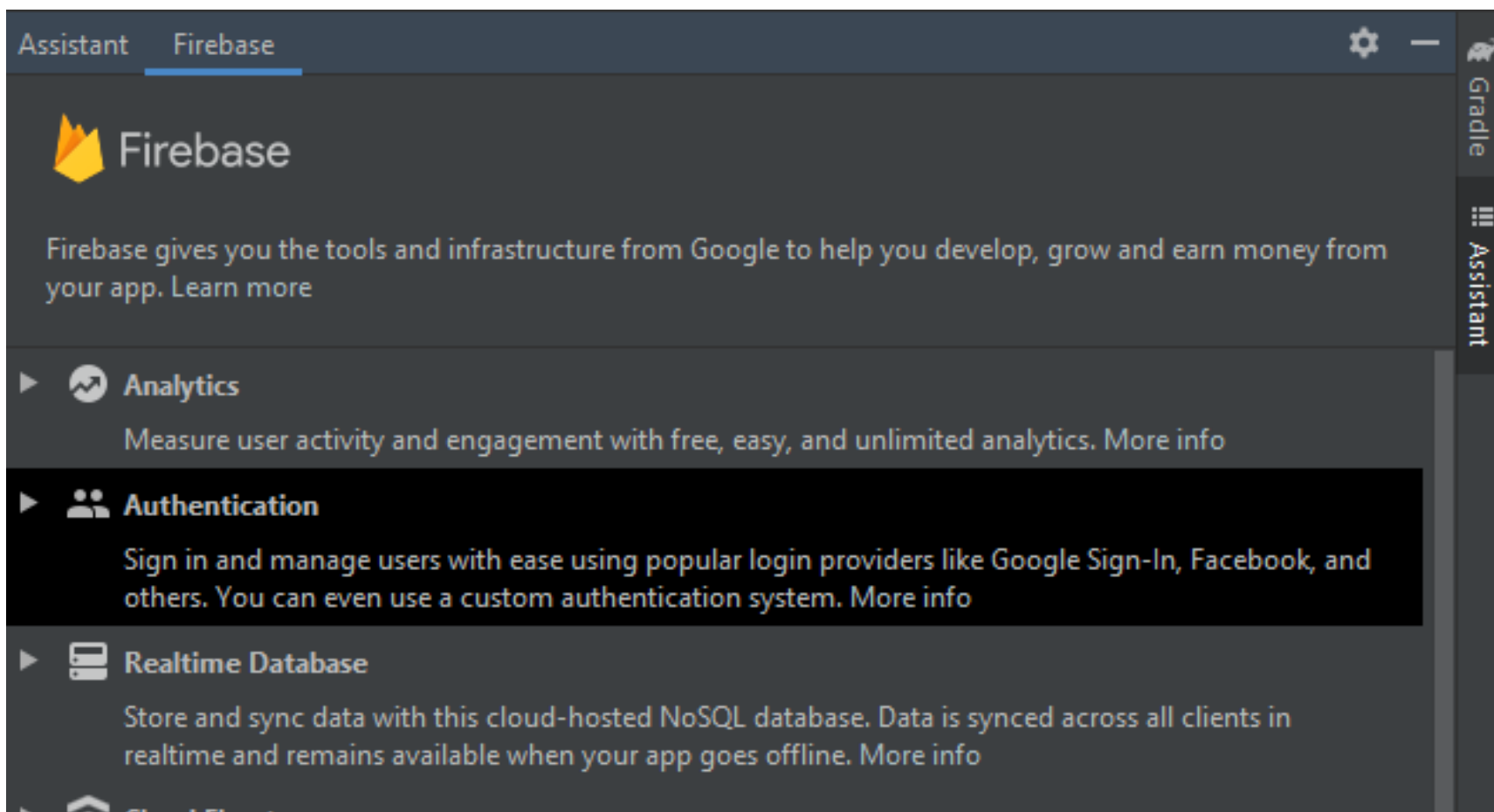
Provedor	Status
 E-mail/senha	Ativada
 Smartphone	Desativado
 Google	Desativado
 Play Games	Desativado
 Game Center	Desativado
 Facebook	Desativado
 Twitter	Desativado
 GitHub	Desativado
 Yahoo	Desativado
 Microsoft	Desativado
 Apple	Desativado
 Anônimo	Desativado










Assistente  
Firebase




# Authentication



Assistant **Firebase**    Gradle  Assistant

 **Firebase**

Firebase gives you the tools and infrastructure from Google to help you develop, grow and earn money from your app. [Learn more](#)

- ▶  **Analytics**  
Measure user activity and engagement with free, easy, and unlimited analytics. [More info](#)
- ▶  **Authentication**  
Sign in and manage users with ease using popular login providers like Google Sign-In, Facebook, and others. You can even use a custom authentication system. [More info](#)
- ▶  **Realtime Database**  
Store and sync data with this cloud-hosted NoSQL database. Data is synced across all clients in realtime and remains available when your app goes offline. [More info](#)

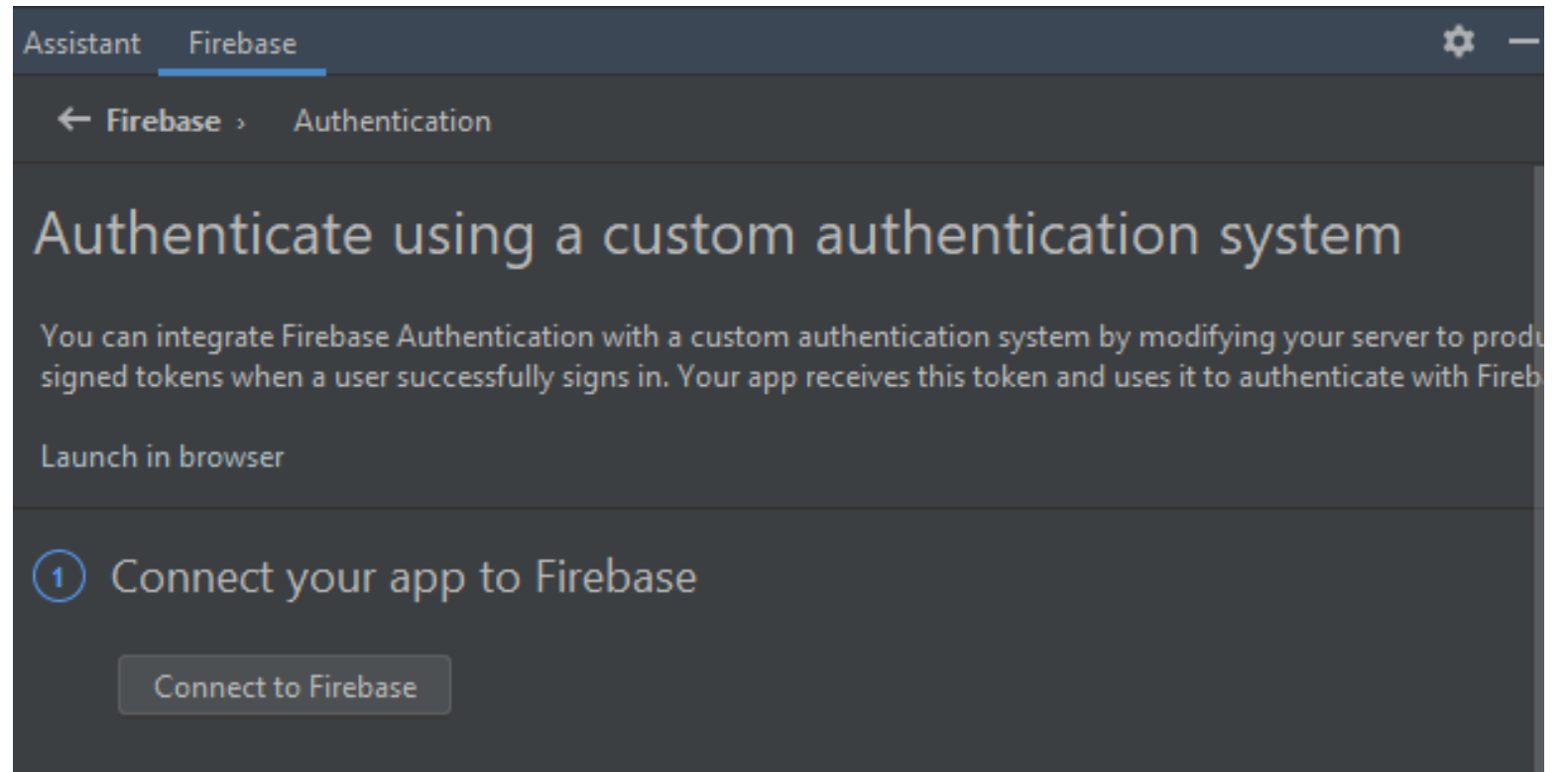
# Authenticate using a custom authentication system

## ▼ Authentication

Sign in and manage users with ease using popular login providers like Google Sign-In, Facebook, and others. You can even use a custom authentication system. [More info](#)

- ▶ [Authenticate using Google Sign-In](#)
- ▶ [Authenticate using Facebook Login](#)
- ▶ [Authenticate using a custom authentication system](#)

Connect to  
firebase



Assistant **Firebase**

← **Firebase** › Authentication

## Authenticate using a custom authentication system

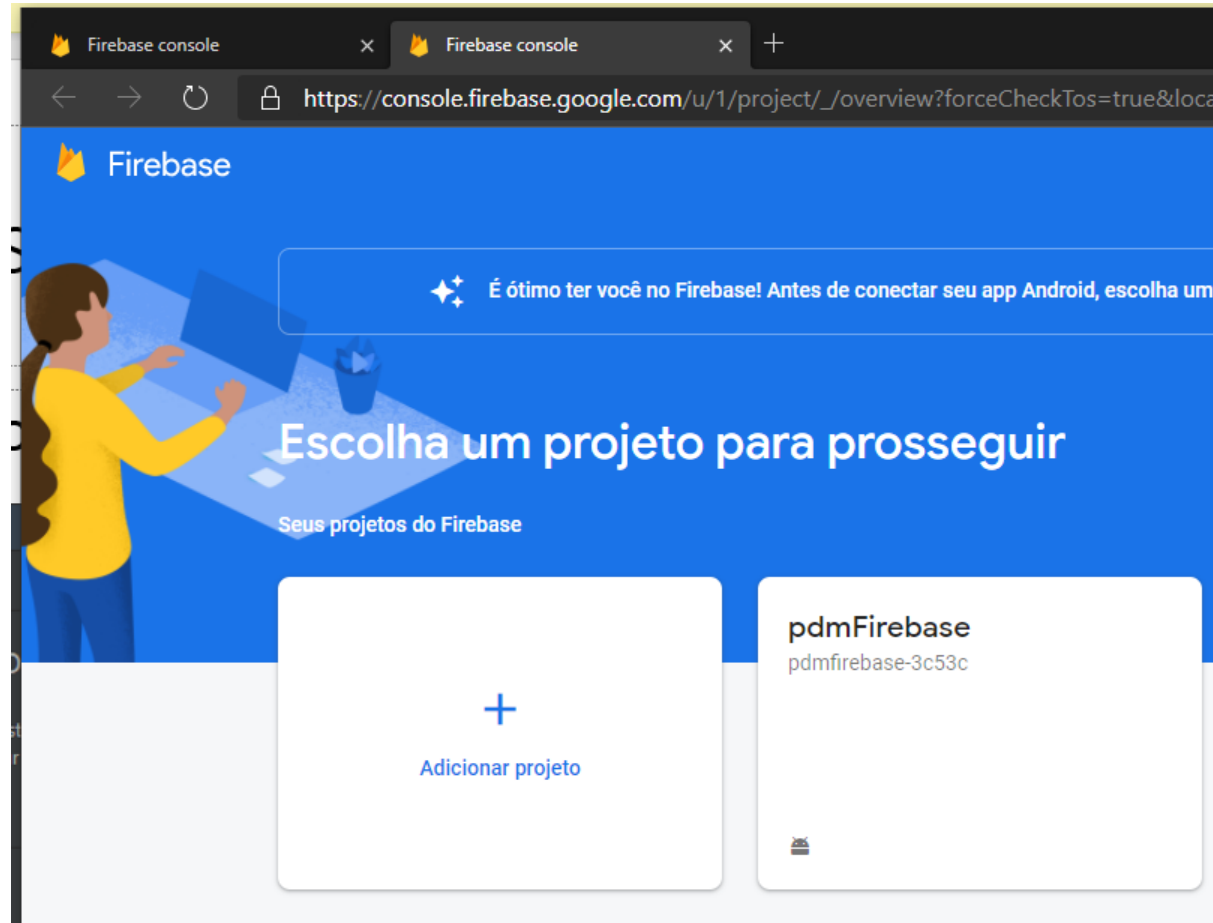
You can integrate Firebase Authentication with a custom authentication system by modifying your server to produce signed tokens when a user successfully signs in. Your app receives this token and uses it to authenticate with Firebase.

Launch in browser

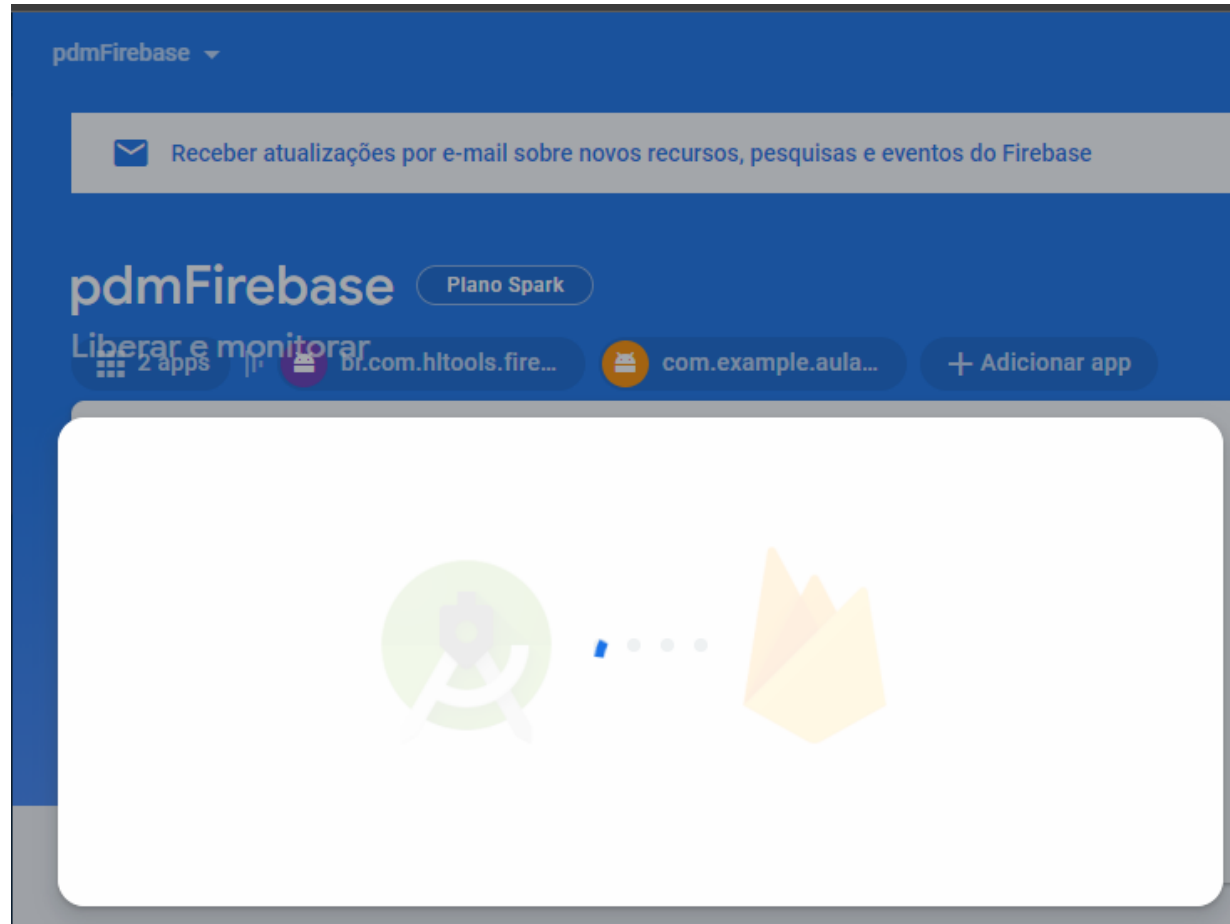
- 1 Connect your app to Firebase

Connect to Firebase

# Selecione o projeto



# Processando



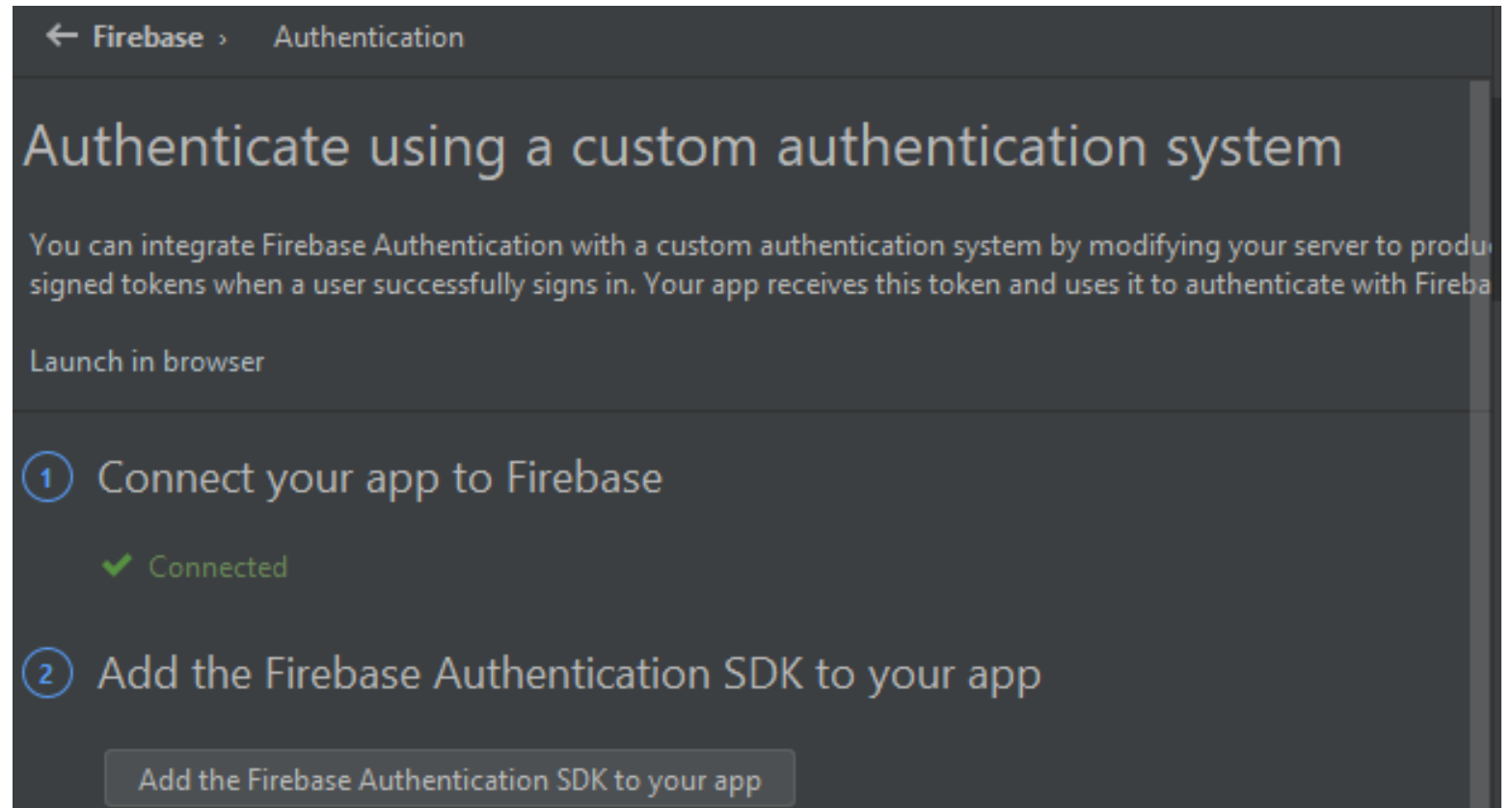


## Seu app Android foi criado no Firebase.

Ele está pronto para ser conectado ao projeto do Android Studio.

[Conectar](#)

Adicionar ao  
projeto do app  
no android  
studio



← Firebase > Authentication

## Authenticate using a custom authentication system

You can integrate Firebase Authentication with a custom authentication system by modifying your server to produce signed tokens when a user successfully signs in. Your app receives this token and uses it to authenticate with Firebase.

Launch in browser

- 1 Connect your app to Firebase
  - ✓ Connected
- 2 Add the Firebase Authentication SDK to your app

Add the Firebase Authentication SDK to your app



# Configurações do sdk



Add the Firebase Authentication SDK to your app



Performing this action will make the following changes to your project.

`build.gradle` (project-level)

Add rules to include the Google Services Gradle plugin:

```
classpath 'com.google.gms:google-services:4.3.5'
```

`app/build.gradle`

Apply the Google Services Gradle plugin:

```
apply plugin: 'com.google.gms.google-services'
```

Add the library dependency:

```
implementation 'com.google.firebase:firebase-auth:20.0.3'
```

Accept Changes

Cancel

# Criar usuário

```
class MainActivity : AppCompatActivity() {  
  
    private lateinit var auth: FirebaseAuth  
    private var TAG: String = "APP"  
  
    override fun onCreate(savedInstanceState: Bundle?) {  
        super.onCreate(savedInstanceState)  
        setContentView(R.layout.activity_main)  
  
        auth = FirebaseAuth.getInstance()  
        val email = "helio@univap.br"  
        val password = "123456"  
        auth.createUserWithEmailAndPassword(email, password)  
            .addOnCompleteListener(this) { task ->  
                if (task.isSuccessful) {  
                    var user :FirebaseUser = auth.currentUser  
                    var idUsuario:String = user.uid  
                    Toast.makeText(baseContext, "Usuário Criado com sucesso",Toast.LENGTH_SHORT).show()  
                } else {  
                    Toast.makeText(baseContext, "Falha ao criar usuário",  
                        Toast.LENGTH_SHORT).show()  
                }  
            }  
    }  
}
```

# Melhorando o código

```
class MainActivity : AppCompatActivity() {

    private lateinit var auth: FirebaseAuth
    private var TAG: String = "APP"

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        auth = FirebaseAuth.getInstance()
        val email = "helio@teste.com"
        val password = "123456"

        CriarUsuario(email, password)
    }

    fun CriarUsuario(email: String, password: String) {
        auth.createUserWithEmailAndPassword(email, password)
            .addOnCompleteListener(this) { task ->
                if (task.isSuccessful) {
                    var user: FirebaseAuth.User? = auth.currentUser
                    var idUsuario: String = user?.uid
                    Toast.makeText(baseContext, "Usuário Criado com sucesso", Toast.LENGTH_SHORT).show()
                } else {
                    Toast.makeText(baseContext, "Falha ao criar usuário",
                        Toast.LENGTH_SHORT).show()
                }
            }
    }
}
```

# Verificar Login

```
class MainActivity : AppCompatActivity() {

    private lateinit var auth: FirebaseAuth
    private var TAG: String = "APP"

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        auth = FirebaseAuth.getInstance()
        val email = "helio@teste.com"
        val password = "123456"

        VerificarUsuario(email, password)
    }

    fun VerificarUsuario(email: String, password: String) {
        auth.signInWithEmailAndPassword(email, password)
            .addOnCompleteListener(this) { task ->
                if (task.isSuccessful) {
                    val user = auth.currentUser
                    Toast.makeText(baseContext, "Logado com sucesso.", Toast.LENGTH_SHORT).show()

                } else {

                    Toast.makeText(baseContext, "Erro Login.", Toast.LENGTH_SHORT).show()

                }
            }
    }
}
```

# Firebase

## Authentication

[Users](#)

[Sign-in method](#)

[Templates](#)

[Usage](#)



Desenvolva protótipos e realize testes de ponta a ponta com o Pacote do emulador local, agora com o Firebase Authentication.

[Primeiros passos](#)



Pesquise por endereço de e-mail, número de telefone ou UID do usuário

[Adicionar usuário](#)



Identificador	Provedores	Criado em	Conectado	UID do usuário ↑
helio@teste.com		6 de abr. de 2...		djEifhopEaPOfQMws1lxbTNFoV73

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