



experts club

Integrando Firebase Authentication dentro da Unity

13/03/2022

Agenda

- Sobre mim e a minha relação com o código;
- Sobre a aula
- Requisitos, ambiente e recursos
- Unity
- Unity LTS
- Firebase
- Firebase Authentication
- Firebase Rest API
- Referências
- Demo - Prática



Sobre mim e a minha relação com o código

- Ismael Nascimento 'Ash'
- Desde 2014 na área da tecnologia
- CTO Code Coast
- Consultor (arquitetura/desenvolvimento)
- Redes sociais:
 - linkedin.com/in/ismaelash



Sobre a aula

- Unity
- Firebase Authentication
- Firebase Auth Rest API
- Código necessário para a aula criado anteriormente:
 - <https://github.com/rocketseat-experts-club/integrando-firebase-authentication-unity-2022-02-13>

Requisitos, ambiente e recursos

- Ambiente e recursos necessários:
 - Visual Studio Community
 - Unity 2020.3.x LTS
 - Conta Firebase
 - Conta Unity



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Firestore

Firestore Authentication



Firestore Auth Rest API

 Firestore

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- Set up and manage a project
- Firestore App Check
- Configure a project's OAuth providers
- Authentication and User Management**
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Firestore Auth REST API

API Usage

You can query the Firestore Auth backend through a REST API. This can be used for various operations such as creating new users, signing in existing ones and editing or deleting these users.

Throughout this document, `API_KEY` refers to the Web API Key, which can be obtained on the [project settings](#) page in your admin console.

★ HTTPS is required. Firestore only responds to encrypted traffic so that your data remains safe.

Exchange custom token for an ID and refresh token

You can exchange a custom Auth token for an ID and refresh token by issuing an HTTP `POST` request to the Auth `verifyCustomToken` endpoint.

Method: POST

Content-Type: application/json

Endpoint

```
https://identitytoolkit.googleapis.com/v1/accounts:signInWithCustomToken?key=[API_KEY]
```

Request Body Payload

Property Name	Type	Description
token	string	A Firestore Auth custom token from which to create an ID and refresh token pair

On this page

API Usage

- Exchange custom token for an ID and refresh token
- Exchange a refresh token for an ID token
- Sign up with email / password
- Sign in with email / password
- Sign in anonymously
- Sign in with OAuth credential
- Fetch providers for email
- Send password reset email
- Verify password reset code
- Confirm password reset
- Change email
- Change password
- Update profile
- Get user data
- Link with email/password
- Link with OAuth credential
- Unlink provider
- Send email verification
- Confirm email verification
- Delete account

Firestore Authentication Emulator

- Clear user accounts
- Get emulator configuration
- Patch emulator configuration
- Retrieve out-of-band authentication codes
- Retrieve SMS verification codes

Error Response

- Error response format

Demo - Prática





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Referências

- <https://unity.com/>
- <https://unity.com/releases/release-overview/>
- <https://firebase.google.com/docs/auth>
- <https://firebase.google.com/docs/reference/rest/auth>
- <https://firebase.google.com/docs/reference/rest/auth/#section-send-password-reset-email>
- <https://firebase.google.com/docs/reference/rest/auth/#section-sign-in-email-password>
- <https://firebase.google.com/docs/reference/rest/auth/#section-create-email-password>
- <https://www.youtube.com/watch?v=DSAuFmdS8vk>



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Obrigado!

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