

Orientações para a utilização da API do Twitter

Introdução

Este documento tem o objetivo de orientar o leitor à obtenção das chaves de acesso que permitem a consulta à API do Twitter.

Para obtenção das chaves de acesso é necessário possuir uma conta de desenvolvedor, que para ser obtida, é necessário que o usuário possua uma conta padrão do Twitter.

Todas as informações sobre a criação da conta de desenvolvedor e processo de autenticação podem ser obtidas em <https://developer.twitter.com/en/docs/apps/overview>.

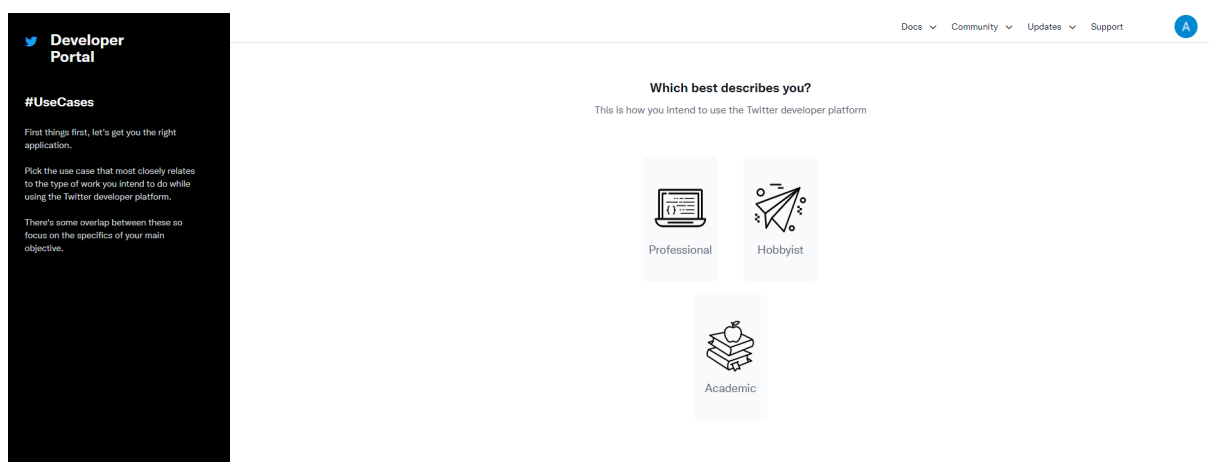
A seguir, o passo a passo desse processo.

Passo a passo

O primeiro passo é o acesso a <https://developer.twitter.com/en> para a autenticação do seu usuário do Twitter.

Após o acesso como desenvolvedor, segue a primeira tela para informar o objetivo do acesso.

- Selecionar a opção “Academic”



- Selecionar a opção “Student”

Developer Portal

#UseCases

First things first, let's get you the right application.

Pick the use case that most closely relates to the type of work you intend to do while using the Twitter developer platform.

There's some overlap between these so focus on the specifics of your main objective.

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Which best describes you?

This is how you intend to use the Twitter developer platform

Professional

Hobbyist

Academic

Academic researcher

Teacher

Student

Something else (But related to academics)

Standard application

Submit a standard application for access to the Twitter developer platform.

Get started

- Preencher com informações cadastrais

Developer Portal

#TheBasics

To start, you'll need to confirm your Twitter @username and the email associated with it. You'll use them to log in to the Developer Portal.

Team accounts

For accounts that need multiple users, create a [team developer account](#) instead.

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A

1 Basic info2 Intended use3 Review4 Terms

Switch @username

datascience.alemdobasico@gmail.com

Change email address

Important messages will be sent to this email address. ⓘ

This email is associated with your @username.

Individual developer account

Switch to an team developer account

You are signing up for an individual developer account. ⓘ

What's your name?

This is permanent and can't be changed

Alexandre

What country are you based in?

Brazil

What's your current coding skill level? ⓘ

Some experience

BackNext

Developer Portal

#TheBasics

To start, you'll need to confirm your Twitter @username and the email associated with it. You'll use them to log in to the Developer Portal.

Individual accounts

If you're the only user, then you should apply for an [individual developer account](#).

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All fields are required unless marked optional

DS_AlemdoBasico

Switch @username

This @username will be used to log in to your account. ⓘ

datascience.alemdobasico@gmail.com

Change email address

Important messages will be sent to this email address. ⓘ

This email is associated with your @username.

Team developer account

Switch to an individual developer account

You are signing up for a team developer account. ⓘ

What's your name?

This is permanent and can't be changed

Enter name

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- A próxima tela solicita informações sobre os objetivos do pedido de acesso à API. Segue umas sugestões a serem utilizadas:

- How will you use the Twitter API or Twitter Data?

My goal is to explore the features of the API to make studies about data mining of social networks. The data get from Twitter will support the use of various techninques related with Data Science, for example, sentiment analysis and discovery of conections between users.

- Are you planning to analyze the Twitter data?

The plan is make a set of searches for specific keywords, analyzing the metadata of the tweets obtained.

- Do you plan to display Tweets or aggregate data about Twitter content aoutside Twitter?

The plan is present the metadata of the tweets in data structures, like Pandas DataFrame, in the way to guarantee a effective analysis.

As demais perguntas podem ser deixadas em branco, pois fogem ao escopo da atividade.

Developer Portal

#ImportantStuff

This part of the application helps us make sure that our data will be handled in accordance with Twitter's Developer Policies.

Our ultimate goal is to keep Twitter a safe and healthy space for public conversation.

What's not allowed

Some activities (like surveillance) are never allowed on Twitter. Take a look at our restricted uses page. Double-check that your intended use is policy compliant.

Automation guidelines

If you plan on enabling any sort of automated activity on the platform (like a bot), be sure to review our automation rules.

Provide thorough answers

We need to fully understand your intended use and if whether it meets our policy guidelines. That's the only way to have your application approved.

So, please include as much detail as possible in your answers.

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All fields are required unless marked optional

How will you use the Twitter API or Twitter Data?

In your words

In English, please describe how you plan to use Twitter data and/or APIs. The more detailed the response, the easier it is to review and approve.

My goal is to explore the features of the API to make studies about data mining of social networks. The data get from Twitter will support the use of various techniques related with Data Science, for example, sentiment analysis and discovery of connections between users.

The specifics

Please answer each of the following with as much detail and accuracy as possible. Failure to do so could result in delays to your access to Twitter developer platform or rejected applications.

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Developer Portal

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Are you planning to analyze Twitter data?

Yes

Please describe how you will analyze Twitter data including any analysis of Tweets or Twitter users.

The plan is make a set of searches for specific keywords, analyzing the metadata of the tweets obtained.

Will your app use Tweet, Retweet, Like, Follow, or Direct Message functionality?

No

Do you plan to display Tweets or aggregate data about Twitter content outside Twitter?

Yes

Please describe how and where Tweets and/or data about Twitter content will be displayed outside of Twitter.

The plan is present the metadata of the tweets in data structures, like Pandas DataFrame, in the way to guarantee a effective analysis.

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Developer Portal

#Review

Before moving forward, take a moment to look over your responses. If everything looks good, you can move on to the next step.

One thing to remember, the email address you provided will be used to contact you about your account.

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Basic info

Edit

USE CASE

Teaching

ACCOUNT NAME

Alexandre

ACCOUNT TYPE

Team developer account

TWITTER @HANDLE

@DS_AlemdoBasico

EMAIL ADDRESS

datascience.alemdobasico@gmail.com

WHAT COUNTRY DO YOU LIVE IN?

Brazil

CURRENT CODING SKILL

Highly experienced


RECEIVE UPDATES ABOUT TWITTER API

No

Team profile

Edit

Após o preenchimento das informações, aceitar os termos.

 Developer Portal

#Read&Accept

We've carefully crafted our developer terms to make it readable and accessible. Our aim is to have a healthy and open platform for all.

Once you've read it and agreed, check the box below the agreement and then hit the submit application button on the bottom right.

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Basic infoIntended useReviewTerms


Developer agreement & policy

You must **contact us** about your Twitter API access if you expect your service to exceed 10 million daily broadcasts. You may be subject to additional terms if you exceed this threshold. Additional restrictions on Periscope developer use include:


- You must provide a reasonable user-agent, as described in the Periscope Producer technical documentation, for your service when accessing the Periscope API
- You must honor requests from people to log out of their Periscope account on your service
- You may not provide tools in your service to allow people to circumvent technological protection measures

☐ By clicking on the box, you indicate that you have read and agree to this Developer Agreement and the Twitter Developer Policy, additionally as it relates to your display of any of the Content, the Display Requirements, as it relates to your use and display of the Twitter Marks, the Twitter Brand Assets and Guidelines, and as it relates to taking automated actions on your account, the Automation Rules. These documents are available in hardcopy upon request to Twitter.

BackSubmit

 Developer


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Time to verify your email

We just sent an email verification to **datascience.alemdobasico@gmail.com**. Once verified, your application review will begin.

Don't see it? Try checking your spam inbox or [have it resent](#).

 Developer

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#Welcome to the Twitter Developer Platform

Let's get you some keys.

But first, you'll need to name your App. Make sure the name is unique. Don't take it too seriously, you can always change it later.

Get keys

O nome do app deve ser único, entretanto, você não o utilizará objetivamente.

Exemplo:

__ExploreTwitterAPI

Nessa tela são geradas 3 chaves, sendo que uma delas é o “*Bearer Token*”, utilizado no desenvolvimento de aplicativos. Para a utilização da API de forma exploratória, é necessária a criação de mais outras duas chaves, que podem ser obtidas consultando o “*Dashboard*”, ao clicar no botão “Skip to dashboard”.

Antes é necessário ressaltar que as chaves geradas devem ser armazenadas e utilizadas com segurança, pois permitem a manipulação da conta do Twitter por quem tiver acesso.

The screenshot shows the Twitter Developer console page titled "Here are your keys". It provides instructions to verify and allow requests to the Twitter API. Three keys are displayed:

- API Key**: 3mRx4lBb5R9ovfamPys4yYON
- API Key Secret**: oROioYYfsOmeKl5CBtDc508FtoqCXOYcIbWQBIfmhiFySCe2n
- Bearer Token**: AAAAAAAAAAAAAAAAAABj%2BwJEAAAAAFpVjpr%2FD6UFGOn0Nb hedg%3DPudwg9rD2zR70CicIxy0gji4EetuWovu3ShuVONVzj8S9Yqj

Each key has a "Copy" button. To the right, a section titled "Psst...Keep them safe!" warns that keys are not visible again and must be regenerated if compromised. Below this, "How to keep your keys safe" lists three points: save in a secure location, treat like passwords, and regenerate if compromised. At the bottom right, there are buttons for "Skip to dashboard" and "Test an endpoint".

Ao retornar ao “*Dashboard*”, clicar na opção “*Keys and tokens*”, tela que gerencia as chaves de acesso criadas. Para gerar as chaves “*Access Token*” e “*Secret Token*”, clicar na opção “*Generate*”.

PROJECT 1

ExploreTwitterAPI

Settings **Keys and tokens**

Consumer Keys ①

API Key and Secret **Regenerate**

Authentication Tokens ①

Bearer Token
Generated November 28, 2021 **Regenerate**
Revoke

Access Token and Secret
For @DS_AlemDoBasico **Generate**

Helpful docs

- [How to use Projects](#)
- [App permissions](#)
- [Authentication overview](#)
- [Authentication best practices](#)
- [Using Bearer Tokens](#)
- [Using Access Token and Secret](#)

Keys & tokens let us know who you are.

Specifically, keys are unique identifiers that authenticate your App's request, while tokens are a type of authorization for an App to gain specific access to data.

Dessa forma, estarão obtidas as 4 chaves necessárias para o acesso à API do Twitter. Registre elas em um arquivo texto para utilização posterior, sempre tomando o cuidado de não compartilhá-las pois permitem a manipulação da sua conta pessoal do Twitter.

API Key : << sua chave >>

API Key Secret : << sua chave >>

Access Token Key : << sua chave >>

Access Token Key Secret : << sua chave >>

Cabe destacar que o Twitter analisa cada solicitação de acesso à API. No momento em que este artigo foi escrito, as contas pessoais de desenvolvedor estavam sendo aprovadas imediatamente e os aplicativos de contas corporativas demoravam alguns dias, sendo que essa aprovação não é garantida.