Activation d'un compte développeur Twitter + Création d'une application Achraf Lassoued University Paris II <u>achraflassoued985@gmail.com</u>

Abstract

Pour pouvoir utiliser les programmes qui se trouvent dans le serveur google colab et récupérer des données Twitter, il faut :

- Un compte Twitter si ce n'est pas le cas, créez-en un,
- Validez le compte d'développeur via le lien suivant <u>http://apps.twitter.com</u>,
- Créer votre application via le lien suivant <u>http://apps.twitter.com</u>.
- Pour l'utilisation de gephi vous aurez besoin d'une seule clé : Bearer Token
- Pour l'utilisation du programme python, vous aurez besoin des quatre clés
- 1. Compte développeur :

Tout d'abord, quand vous vous connectez via Twitter et que vous cliquez sur le lien : http://apps.twitter.com, vous allez voir le message suivant :

Apps	Please apply for a Twitter developer account	×	Create an App	
No Apps here. You'll need an App and API key in order to au:	You may continue managing your existing Apps but if you Apps or use Twitter premium APIs, please apply for a dev	would like to create new eloper account.		
	As a developer platform, our first responsibility is to our u that supports the health of conversation on Twitter. To cr of our platform, we have introduced a few new requirement	sers: to provide a place ontinue to prevent misuse nts for developers.		
		Apply		

Maintenant, quand vous appuyez sur le bouton "Apply for developer account", vous allez voir la page ci-dessous :

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 YouTube Maps 	/en/portal/petition/essential/basic-info		
🄰 Developer Port	al	Docs 🗸 Community 🗸 Updates 🗸 S	upport
	Hey up2education Ready to build something cool?		
	Twitter Account ③		
	up2education Switch @username Create new @username		
	Email ① ac*****@wi*****.com	•	
	<u>Change email</u> What country are you based in?		
	France	~	

Si vous n'avez pas spécifié votre numéro de téléphone lors de la création de votre compte twitter, il vous est demandé d'enrenseigner un pour continuer,

Une fois que vous avez validé votre numéro et le code de vérification, vous aurez une page pour compléter un certain nombre d'informations. Ci-dessous un exemple :

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🎽 Developer Portal	Docs 🗸 Community 🗸 Updates 🗸 S	Support		ĺ	
	Change email				
	What country are you based in?				
	France ~				
	What's your use case? We need this information for data protection. Learn more				
	Academic researcher				
	Will you make Twitter content or derived information available to a government entity or a government affiliated entity? \odot				
	No ×				
	Get involved and updated				
	Sign me up for the latest Twitter Dev news, tips and updates				
	Need help?				
PRIVACY COOKIES TWITTER	R TERMS & CONDITIONS DEVELOPER POLICY & TERMS © 2022 TWITTER INC. FOLLOW @TWITTERDEV SUBSCRIBE TO DEVE	ELOPER NEWS	~		

Ensuite vous tombez sur la page suivante, que vous remplissez, en cochant la case "Accept terms &conditions" :



Puis vous recevez un mail de validation :



Une fois que vous avez cliqué sur le lien du mail vous serez redirigé sur la page suivante en remplissant un nom de projet par exemple :

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	#Welcome to the Twitter Developer Platfor	rm			
	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.				
	M1_seeo_bigdata				
	17 Get keys				
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Donc maintenant vous allez obtenir des clés

🎔 Developer Portal	Docs 🗸	Community 🗸	Updates 🗸	Support	
	For security, this will be the last time we'll fully display f • Save them in a secure location • Treat them like a password or a set of keys • If security has been compromised, regenerate them • DO NOT store them in public places or shared docs	the Secret.			
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Puis vous cliquez sur dashboard :

Twitter Developers X	+	
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	PROJECT APP Image: Ml_seeo_bigdata Image: Ml_s	Go to API Playground

Ensuite sur votre projet on va essayer de changer les permissions en lecture et écriture donc il faut cliquer sur set up :



Ensuite changer le « read » en « read and write » comme ci-dessous :



Et puis remplir le formulaire par exemple :

Twitter Developers X 🎔 App permissions Docs Twitter X +							-	0	×	
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Website URL (required)					
https://up2.fr/					
Organization name (optional) This name will be shown when users authorize your App					
Organization URL (optional) This link will be shown when users authorize your App					

Enfin il faut confirmer les changements :



Pour pouvoir utiliser les programmes python il faut générer deux autres clés, pour cela :

- Faut revenir sur le dashboard, et ensuite cliquer sur l'onglet key and tokens :
- Et puis dans access token and secret cliquez sur Generate

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				Bearer Tokens
				Access Token and Secret
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Developer Portal				Docs V Comm Access Token and Access Token Secret created. X
Dashboard Projects & Apps Projects & Apps		Did you save your Access Token and Access Token Secret? • Sive them in a secure location • Treat them like a paseword or as tor lays • if security hab been compromised, regenerate them • D WHOT set them in policy layees or thand does		
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		Yes I saved them		

Cette première partie vous permet d'avoir un accès essentiel qui est suffisant pour l'utilisation gephi mais pas pour le programme python, pour cela il faut changer l'accès essentiel en accès academic.

Il faut tout d'abord remplir le formulaire ici :

https://developer.twitter.com/en/portal/petition/academic/is-it-right-for-you

V Developer	Does v	 Community V Updates V Su 	ipport
Portal	(1) Basic info (2) Academic profile (3) Project details (3) Review (5) Terms		
#ResearchProject			Í
When reviewing Academic Research applications, it's important to know how you intered on using the Twitter API and Twitter data.	All fields are required unless marked optional. This info can't be changed once the application has been submitted. If approved, this section will be used to create your Academic Project.		
The answers you provide here will help us understand the who, what, why and how of your project. This is critical stuff.	What's your research project's name?		
Your answers to these questions illustrate that you have a clearly defined and thought- out Academic Researchproject.	Stream of data Does this project receive funding from outside your academic institution? ①		
Please answer these questions thoroughly and concisely.	⊖ Yes ● No		
Get help with your application.	In English, describe your research project.		
	My research project Illustrates the use of streams of Bigdata, for a graduate class at the University of Paris II. we both use the program Geght to analyse cool agreps and Python programs which restly use the Twitter API and <u>sample</u> the data to recover small reservoirs containing random subgraphs.		
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Ci-dessous un exemple de formulaire rempli :

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Please answer these questions thoroughly and concisely.	Aggregate V		
Get help with your application.	In English, describe your methodology for analyzing Twitter data, Tweets, and/or Twitter users.		
	the data are used as <u>aggregates</u> to capture <u>dynamic</u> trends. the basic <u>methodology</u> is the <u>Reservoir</u> sampling <u>with</u> <u>uniform</u> or <u>blased</u> distributions. We <u>obtain random subgraphs</u> and <u>study</u> the variations of the Glant components.		
	In English, describe how you will share the outcomes of your research (include tools, data, and/or resources).		
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#ResearchProject	In Endlich describe how we will show the extremest of your nearasch fitchick tools data and/or excurses)		
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Get help with your application. Learn more	List all government entities you intend to provide Twitter content or derived information to under this use case. (required if prior question yes)		- 1
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