

Kenneth Shinn

Stacey Chen

Bing Location API

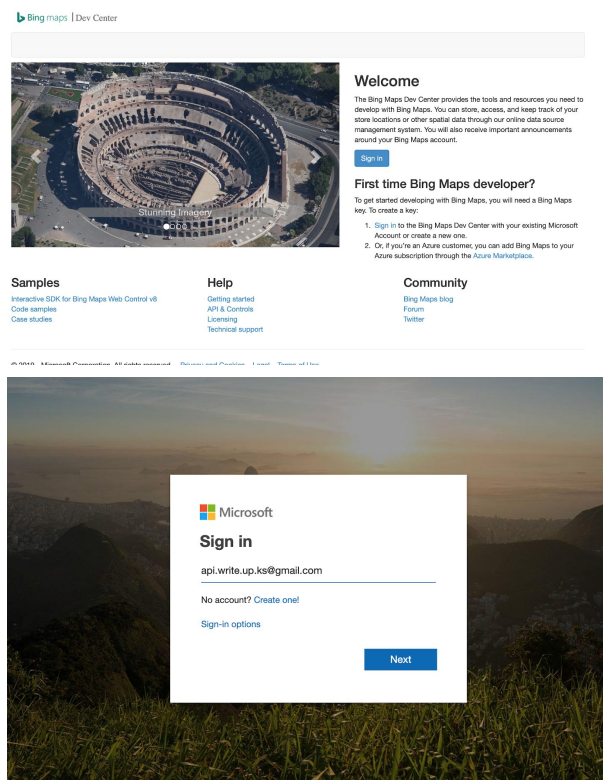
Things you need to get started:

- Python 3.x installed on your computer
- Python's requests and unicode library installed on your computer
- Some IDE for Python (we used Eclipse with the PyDev plug-in)
- [The api-requester-locations project code from Github](#)
- A Microsoft account

Instructions:

Create a Bing Maps Developer account [here](#).

Sign in with your Microsoft account.



Click “yes” next to “Do you want to use the account **~your email address~** for your new Bing Maps account?”

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Do you want to use the account **api.write.up.ks@gmail.com** for your new Bing Maps account? **Yes**

Or choose one of the following options:

[Sign in with another account](#) (This will sign you out of **api.write.up.ks@gmail.com**, so you can sign in with another account or create a new one.)

[Cancel, and think about it](#) (This will take you back to the Maps Dev Center home page.)

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Fill out your information and click “create”

Create account

Account details

Account name *

Enter account name

Contact name

Enter contact name

Company name

Enter company name

Email address * -This email address will receive important service announcements and notifications.

Enter email

Phone number

Enter phone number

☐ I agree to the [Bing Maps Platform APIs' Terms of Use \(TOU\)](#).

Contact Preferences

I would like information, tips and offers about Bing Maps. [Privacy Statement](#)

☐ Email ☐ Telephone

Create

* Required field

Follow the rest of the directions regarding terms and conditions, privacy etc. until you get to the main console.

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My account Data sources Announcements Contacts & Info (api.write.up.ks@gmail.com) Sign out

Announcement: No current service announcements.

To stay up to date on all the recent Bing Maps Platform releases and news, please visit the [Bing Maps Blog](#).

Important reminder regarding Bing Maps service notifications:

To ensure your company receives important Bing Maps service notifications and announcements that may affect your service availability, please make sure you always keep your organization's email contacts up-to-date in the 'Account Details' section of the Bing Maps Dev Center. We recommend having multiple email address contacts listed there and the use of a distribution group email address is a suggested best practice (i.e.: [bingmaps@contoso.com](#)).

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Click on “my account”, and the click on “my keys”

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My account Data sources Announcements Contacts & Info (api.write.up.ks@gmail.com) Sign out

Account Details

My Keys

Reports

Announcement: No current service announcements.

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Fill out the “Create Key” document, and click the “create” button on the bottom. Make sure that the Key Type is Basic and the Application Type is Dev/Test.

My keys

Create key

Application name *

api-write-up

Application URL

Enter application URL

Key type *

[What's This](#)

Basic

Application type *

Dev/Test

Create

Cancel

* Required field

To create Education, Broadcast or Not-for-Profit keys, please contact the Bing Maps account team at mpnet@microsoft.com.

Now you have your API key, which you can see anytime by clicking “show key”

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My account

Data sources

Announcements

Contacts & info

(api.write.up.ka@gmail.com)

Sign out

My keys

[Click here to create a new key.](#)

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View Specific

Key:

Enter key to search...

Q

Application name

api-write-up

Key details

Key: Show key

Application URL

Key type: Basic / Dev/Test

Created date: 07/02/2019

Expiration date: None

Key Status: Enabled

Security Enabled: No

Update

Copy key

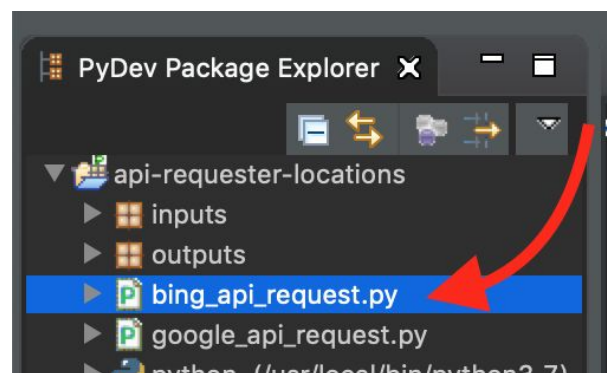
Usage

Report

Enable

Security

Now, go to your IDE, open the code, and open the file named “bing_api_request.py”



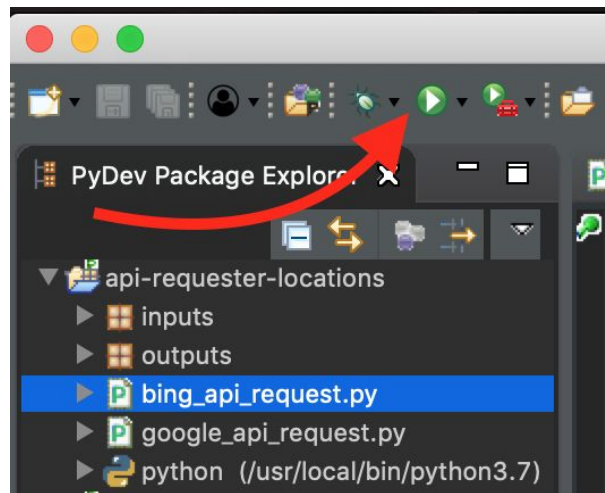
At the top of the file, replace the **ADD API KEY** **HERE** placeholder with your api key. Make sure that your API key is in quotations (single or double works)!

```
import requests
import csv
from unicode import unicode

api_key = 'ADD API KEY HERE'

with open('files/affiliationnamefreq100.tsv', encoding='utf-8') as f:
    with open('files/bing_output.tsv', 'w', newline='') as out_file:
        tsv_writer = csv.writer(out_file, delimiter='\t')
```

Run the script (if you're using eclipse, then this will be a green button with a white play button inside in the upper left hand corner). Note that this will probably take around half a day!



The data will be in the project's "outputs" folder, and it will be called "bing_output.tsv"

