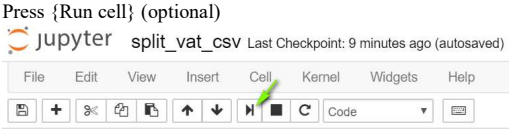
Quick tutorial split_vat_csv

1. Read https://github.com/itsergiu/Romania-split-VAT-register-query/blob/master/Readme
2. Install Anaconda (next, next, finish).
3. Launch Jupyter.
4. Open Jupyter notebook: split_vat_csv.ipynb
5. Run cells.

Author do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause. The software is provided "as is", without warranty of any kind, express or implied, including but not limited to the warranties of merchantability, fitness for a particular purpose and noninfringement.

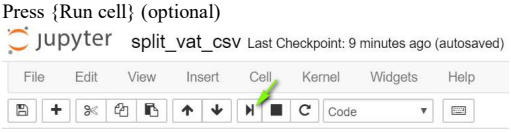
Press {Run cell} (optional)



In [1]:
```
"""
REFERENCES

https://www.anaconda.com/download/
http://jupyter.org/
https://www.python.org/

https://www.anaf.ro/anaf/internet/ANAF/informatii_publice/informatii_agenti_economici/RegPlataDefalcataTVA
https://webservicesp.anaf.ro/AsynchWebService/api/v3/ws/tva

Warning in Romanian language
b) Orice tentativa de suprasolicitare a serverului va fi pedepsita conform reglementarilor in vigoare.
Warning in English language
b) Any attempt to overload the server will be punished according to the regulations in force.
"""
```

Out[1]:
```
'\nREFERENCES\n\nhttps://www.anaconda.com/download/\nhttp://jupyter.org/\nhttps://www.python.org/\n\nhttps://www.anaf.ro/anaf/internet/ANAF/informatii_publice/informatii_agenti_economici/RegPlataDefalcataTVA\nhttps://webservicesp.anaf.ro/AsynchWebService/api/v3/ws/tva\n\nWarning in Romanian language\nb) Orice tentativa de suprasolicitare a serverului va fi pedepsita conform reglementarilor in vigoare.\nWarning in English language\nb) Any attempt to overload the server will be punished according to the regulations in force.\n'
```

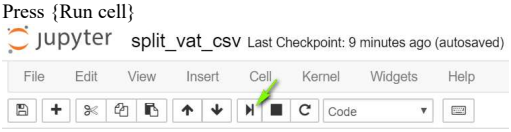
Press {Run cell} (optional)



In [2]:
```
"""
CREATE INPUT FILE IN CSV FORMAT

Source path_upload: active_vendor.csv:
Vendor_key,Vendor_name,CUI
"SNN","S.N. NUCLEARELECTRICA S.A.","10874881"
"SNP","OMV PETROM S.A.","1590082"
"""
```

Out[2]:
```
'\nCREATE INPUT FILE IN CSV FORMAT\n\nSource path_upload: active_vendor.csv:\nVendor_key,Vendor_name,CUI\n"SNN","S.N. NUCLEARELECTRICA S.A.","10874881"\n"SNP","OMV PETROM S.A.","1590082"\n'
```

Press {Run cell}



In [3]:
```
# Run cell
date = '2017-12-20' # query date
path_upload = "C:/00SplitVAT/active_vendor.csv"
path_save = "C:/00SplitVAT/active_vendor_result.csv"
```

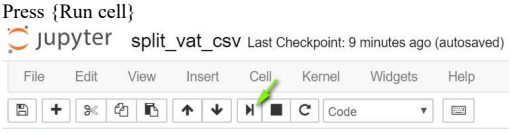
active_vendor.csv

4 lines (3 sloc) 110 Bytes Raw Blame History

Search this file...

	Vendor_key	Vendor_name	CUI
2	SNN	S.N. NUCLEARELECTRICA S.A.	10874881
3	SNP	OMV PETROM S.A.	1590082

Press {Run cell}

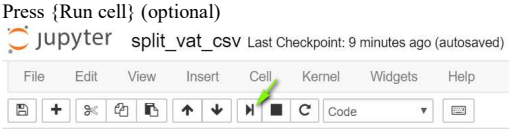


In [4]:

```
# Run cell
import requests
import json
import timeit
import time
import csv
import sys

print(sys.version)
# https://www.anaf.ro/anaf/internet/ANAF/informatii_publice/informatii_agenti_economici/RegPlataDefalcataTVA
# url = "https://webservicesp.anaf.ro/AsynchWebService/api/v3/ws/tva" # Asynchronous Web Service
url = "https://webservicesp.anaf.ro/PlatitorTvaRest/api/v3/ws/tva" # Synchronous Web Service

file_upload = open(path_upload, newline='')
reader = csv.reader(file_upload)
header = next(reader)

file_save = open(path_save, 'w', encoding="utf-8")
writer = csv.writer(file_save)
writer.writerow (["Vendor_key", "Vendor_name", "CUI", "status_code", "data", "denumire", \
                  "cui:", "dataInceputSplitTVA", "dataAnulareSplitTVA", "statusSplitTVA"])

start = timeit.default_timer()
i = 0
for row in reader:
    i+=1
    cui = row[2]
    data_dict = {'cui': cui, 'data': date}
    data = []
    data.append(data_dict)
    r = requests.post(url, json=data)
    #print(r.text) # If you want to view entire content

    key_start = r.text.find('[')
    key_start+=1
    key_end = r.text.find(']')

    if r.status_code == 200:
        r_dict = r.text[key_start:key_end]
        r_dict = json.loads(r_dict)
        writer.writerow([row[0], row[1], row[2], r.status_code, data, r_dict['denumire'], \
                         r_dict['cui'], r_dict['dataInceputSplitTVA'], r_dict['dataAnulareSplitTVA'], \
                         r_dict['statusSplitTVA']])
    else:
        writer.writerow ([row[0], row[1], row[2], r.status_code, data,"","","","",""])

# If you want to print results
#    print([row[0], row[1], row[2], r.status_code, data, r_dict['denumire'], \
#           r_dict['cui'], r_dict['dataInceputSplitTVA'], r_dict['dataAnulareSplitTVA'], \
#           r_dict['statusSplitTVA']])
#    print(row[0])

    print('{} / {} / {}.'.format(row[0],r.status_code,i), end='\r')
    sys.stdout.flush()

file_upload.close()
file_save.close()

stop = timeit.default_timer()
print("request duration:", stop - start)
```

```
3.6.1 |Anaconda custom (64-bit)| (default, May 11 2017, 13:25:24) [MSC v.1900 64 bit (AMD64)]
request duration: 0.48664731919224163
```

Press {Run cell} (optional)



In [5]:

```
"""
OUTPUT FILE IN CSV FORMAT

Result path_save: active_vendor.csv
Vendor_key,Vendor_name,CUI,status_code,data,denumire,cui:,dataInceputSplitTVA,dataAnulareSplitTVA,statusSplitTVA
SNN,S.N. NUCLEARELECTRICA S.A.,10874881,200,"[{'cui': '10874881', 'data': '2017-12-20'}]","SOCIETATEA NATIONALA ""NUCLEARELEC
SNP,OMV PETROM S.A.,1590082,200,"[{'cui': '1590082', 'data': '2017-12-20'}]",OMV PETROM SA,1590082,,,False
"""
```

Out[5]:

```
'\nOUTPUT FILE IN CSV FORMAT\n\nResult path_save: active_vendor.csv\nVendor_key,Vendor_name,CUI,status_code,data,denumire,cui:,
dataInceputSplitTVA,dataAnulareSplitTVA,statusSplitTVA\nSNN,S.N. NUCLEARELECTRICA S.A.,10874881,200,"[{\'cui\': \'10874881\',
\'data\': \'2017-12-20\'}]","SOCIETATEA NATIONALA ""NUCLEARELECTRICA"" SA",10874881,2017-09-29, ,True\nSNP,OMV PETROM S.A.,1590
082,200,"[{\'cui\': \'1590082\', \'data\': \'2017-12-20\'}]",OMV PETROM SA,1590082,,,False\n'
```

active_vendor_result.csv

	Vendor_key	Vendor_name	CUI	status_code	data	denumire
2	SNN	S.N. NUCLEARELECTRICA S.A.	10874881	200	[{'cui': '10874881', 'data': '2017-12-20'}]	SOCIETATEA NATIONALA "NUCLEARELECTRICA" SA
3	SNP	OMV PETROM S.A.	1590082	200	[{'cui': '1590082', 'data': '2017-12-20'}]	OMV PETROM SA

cui:	dataInceputSplitTVA	dataAnulareSplitTVA	statusSplitTVA
10874881	2017-09-29		True
1590082			False

Launch Jupyter important notice

Copy/paste this URL into your browser when you connect for the first time, to login with a token: