XMLAPI2

October 26, 2021

1 Eating a Google feed

1.1 Setting up a Shopify private app in Python

[1]:
```
%load_ext dotenv
%dotenv
```

[2]:
```
import os
# Einlesen des API-keys und des Passworts aus einer environment datei
API_KEY = os.getenv("API_KEY")
PASSWORD = os.getenv("PASSWORD")
CREDENTIAL = f'{API_KEY}:{PASSWORD}'

SHOP = os.getenv("SHOP")
```

[3]:
```
import base64
auth = base64.b64encode(CREDENTIAL.encode('ascii')).decode('ascii')
headers = {"Accept": "application/json", "Content-Type": "application/json",␣
↪'Authorization': 'Basic '+auth}
```

[4]:
```
API_VERSION = '2021-10'
base = f'https://{SHOP}/admin/api/{API_VERSION}/'
```

[5]:
```
import requests
import json
import xmltodict
```

1.2 Loading the feed

[6]:
```
r = requests.get("https://www.sofaszumhalbenpreis.de/sitemap/googleshoppingfeed.
↪xml?r=1632728502")
```

Using xmltodict to make a JSON out of the XML

[7]:
```
res = xmltodict.parse(r.text)
prod = res['rss']['channel']['item']
```

There are several products within the feed

[8]:
```
len(prod)
```

[8]:
```
4869
```

[9]:
```
prod[0].keys()
```

[9]:
```
odict_keys(['g:id', 'title', 'link', 'g:brand', 'g:price', 'g:description',
'g:condition', 'g:google_product_category', 'g:product_type', 'g:image_link',
'g:availability', 'g:quantity', 'g:gtin', 'g:mpn', 'g:shipping',
'g:custom_label_0', 'g:custom_label_1'])
```

1.3 Create products in Shopify

[10]:
```
query="""
mutation productCreate($input: ProductInput!) {
  productCreate(input: $input) {
    shop {
      name
    }
    userErrors {
      field
      message
    }
    product {
      id
    }
  }
}
"""
```

Just adding the first one hundred:

[11]:
```
pp =[]
for p in prod[:100]:
    variables={"input":{
         'title': p['title'],
         'bodyHtml': p['g:description'][0].replace('\n',''),
         'productType': p['g:product_type'],
         'vendor': p['g:brand']
         }
    }
    r = requests.post(base+'graphql.json',json={'query': query,'variables':
 ↪variables},headers=headers)
    if r.ok:
        pp.append(r.json())
    else:
        print(r.text)
```

```
        break
```

Now the prodcts are available within the Shopify shop.