## This is meant to be super simple and can just be ‘done’ in spare time.

You will make typos. This will lead to debugging. Which is how we learn,

This will teach how some api responses work. And some python exercises that are super simple. You can ignore anything after #### marks which are meant to be comments.

Every get request has a ‘URAH’, url, requests, authentication, and headers. In the event of a post it also has data that it sends. So we have to set all of these up.

This assumes you have requests library. If you get a traceback at import requests, load requests library from the deckofcards example.

## Step 1: Get a token

This is not extremely simple, as we have to get a token then do stuff. The below assumes you run in the interpreter, but you need not. You can type into a file. It really is irrelevant.

python

import requests

import json

baseurl = ‘[https://sandboxapicdc.cisco.com](https://deckofcardsapi.com/api/deck/)/’

user=‘admin’

password=‘ciscopsdt’

mydata=json.dumps( ### not a curly bracket

{

‘aaaUser’: {

‘attributes’: {

‘name’: user,

‘pwd’:password

}

}

}

) ### not a curly bracket

print(data)

myheaders={‘Content-Type’:’application/json’}

url=baseurl+’/api/aaaLogin.json’

resp=requests.post(url,headers=myheaders,data=mydata,verify=False)

print(resp) ### should be 200 otherwise recheck all the above by print(myheaders) and the rest

print(resp.text) ####### should be json, but its all in a text string

resp\_json=json.loads(resp.text) ##### this is now in json

token=json\_resp[‘imdata’][0][‘aaaLogin’][‘attributes’][‘token’] ##### now you have your token

print(token)

## Step 2 : do great things. Get some Tenant stuff.

### If your doing the above in a shell (instead of a script file), go ahead and put it into a file,

fvTenanturl=baseurl+’/api/node/class/fvTenant.json’

tokenheaders={‘Cookie’:’APIC-cookie=‘+token}