#!/usr/bin/python

# Attempt #5

import requests, json

url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/login'

headers = {'content-type': 'application/vnd.netbackup+json;version=1.0',}

data = '{"domainName":"adc094nbadmin01", "domainType":"unixpwd", "userName":"tscarter", "password":"Cathica0)" }'

#data = '{"domainName":"adc094nbadmin01", "domainType":"vx", "userName":"bkuporap", "password":"bk\_1234" }'

#data = '{"domainType":"vx", "domainName":"nsstest", "userName":"nbuselfservice", "password":"welcome1" }'

print url, "verify=False, headers=", headers, ", data=", data

response = requests.post(url, verify=False, headers=headers, data=data)

print "\*\*\* (response.json) \*\*\*"

print (response.json)

print

print "\*\*\* response \*\*\*"

print response

print

print "\*\*\* dir(response) \*\*\*"

print dir(response)

print

print "\*\*\* response.???? \*\*\*"

#['\_\_attrs\_\_', '\_\_bool\_\_', '\_\_class\_\_', '\_\_delattr\_\_', '\_\_dict\_\_', '\_\_doc\_\_', '\_\_format\_\_', '\_\_getattribute\_\_', '\_\_getstate\_\_', '\_\_hash\_\_', '\_\_init\_\_', '\_\_iter\_\_', '\_\_module\_\_', '\_\_new\_\_', '\_\_nonzero\_\_', '\_\_reduce\_\_', '\_\_reduce\_ex\_\_', '\_\_repr\_\_', '\_\_setattr\_\_', '\_\_setstate\_\_', '\_\_sizeof\_\_', '\_\_str\_\_', '\_\_subclasshook\_\_', '\_\_weakref\_\_', '\_content', '\_content\_consumed', 'apparent\_encoding', 'close', 'connection', 'content', 'cookies', 'elapsed', 'encoding', 'headers', 'history', 'is\_permanent\_redirect', 'is\_redirect', 'iter\_content', 'iter\_lines', 'json', 'links', 'ok', 'raise\_for\_status', 'raw', 'reason', 'request', 'status\_code', 'text', 'url']

#print response.\_\_attrs\_\_ # ['\_content', 'status\_code', 'headers', 'url', 'history', 'encoding', 'reason', 'cookies', 'elapsed', 'request']

#print response.\_\_bool\_\_ # <bound method Response.\_\_bool\_\_ of <Response [201]>>

#print response.\_\_class\_\_ # <class 'requests.models.Response'>

#print response.\_\_delattr\_\_ # <method-wrapper '\_\_delattr\_\_' of Response object at 0xc8e250>

#print response.\_\_dict\_\_ # {'cookies': <<class 'requests.cookies.RequestsCookieJar'>[]>, '\_content': '{"token":"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpc3MiOiJuYnVfbWFzdGVyIiwianRpIjoiOTY5NGY1ZGMtZmQyMC00Zjk2LWE5OWEtMWI0YWMzMjNhNDQxIiwiaWF0IjoxNTU1MDgzMzQwOTg4LCJleHAiOjE1NTUxNjk3NDA5ODUsInN1YiI6ImFkYzA5NG5iYWRtaW4wMS51cy5vcmFjbGUuY29tOnRzY2FydGVyOnVuaXhwd2QiLCJhdXRoX3Rva2VuIjoiOTY5NGY1ZGMtZmQyMC00Zjk2LWE5OWEtMWI0YWMzMjNhNDQxIiwiaXNfYWRtaW4iOiJmYWxzZSIsImlzX21hY2hpbmUiOiJmYWxzZSIsInRva2VuX3R5cGUiOiJTRVNTSU9OIn0.OvvUaImH0cB2JjoSb9WW9RkOSwzJQ72VuY4xP6MgUc2PtSrVrAkiw1OAz40p\_Hfk9DpuDOhfjDsTrAdcNb7AQTWPWDJP0jWRg\_RKSMpqWbjwttJQlBAtpbpz2vyq-O-zbPO\_dJnvy7Y5YZeWgCEURr9rCwGM3pn6P4VBP0eCxF8","tokenType":"BEARER","validity":86400}', 'headers': {'transfer-encoding': 'chunked', 'date': 'Fri, 12 Apr 2019 15:35:40 GMT', 'x-request-id': '1662DA7B9D9A4B12', 'content-type': 'application/json;charset=UTF-8', 'location': 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/login/eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpc3MiOiJuYnVfbWFzdGVyIiwianRpIjoiOTY5NGY1ZGMtZmQyMC00Zjk2LWE5OWEtMWI0YWMzMjNhNDQxIiwiaWF0IjoxNTU1MDgzMzQwOTg4LCJleHAiOjE1NTUxNjk3NDA5ODUsInN1YiI6ImFkYzA5NG5iYWRtaW4wMS51cy5vcmFjbGUuY29tOnRzY2FydGVyOnVuaXhwd2QiLCJhdXRoX3Rva2VuIjoiOTY5NGY1ZGMtZmQyMC00Zjk2LWE5OWEtMWI0YWMzMjNhNDQxIiwiaXNfYWRtaW4iOiJmYWxzZSIsImlzX21hY2hpbmUiOiJmYWxzZSIsInRva2VuX3R5cGUiOiJTRVNTSU9OIn0.OvvUaImH0cB2JjoSb9WW9RkOSwzJQ72VuY4xP6MgUc2PtSrVrAkiw1OAz40p\_Hfk9DpuDOhfjDsTrAdcNb7AQTWPWDJP0jWRg\_RKSMpqWbjwttJQlBAtpbpz2vyq-O-zbPO\_dJnvy7Y5YZeWgCEURr9rCwGM3pn6P4VBP0eCxF8'}, 'url': u'https://adc094nbadmin01.us.oracle.com:1556/netbackup/login', 'status\_code': 201, '\_content\_consumed': True, 'encoding': 'UTF-8', 'request': <PreparedRequest [POST]>, 'connection': <requests.adapters.HTTPAdapter object at 0x1e421d0>, 'elapsed': datetime.timedelta(0, 1, 318738), 'raw': <urllib3.response.HTTPResponse object at 0x1e532d0>, 'reason': '', 'history': []}

#print response.\_\_doc\_\_ # The :class:`Response <Response>` object, which contains a server's response to an HTTP request.

#print response.\_\_format\_\_ # <built-in method \_\_format\_\_ of Response object at 0xbe5250>

#print response.\_\_getattribute\_\_ # <method-wrapper '\_\_getattribute\_\_' of Response object at 0x11d8250>

#print response.\_\_getstate\_\_ # <bound method Response.\_\_getstate\_\_ of <Response [201]>>

#print response.\_\_hash\_\_ # <method-wrapper '\_\_hash\_\_' of Response object at 0x24b6250>

#print response.\_\_init\_\_ # <bound method Response.\_\_init\_\_ of <Response [201]>>

#print response.\_\_iter\_\_ # <bound method Response.\_\_iter\_\_ of <Response [201]>>

#print response.\_\_module\_\_ # requests.models

#print response.\_\_new\_\_ # <built-in method \_\_new\_\_ of type object at 0x7ff8d37af440

#print response.\_\_nonzero\_\_ # <bound method Response.\_\_nonzero\_\_ of <Response [201]>>

#print response.\_\_reduce\_\_ # <built-in method \_\_reduce\_\_ of Response object at 0xf25250>

#print response.\_\_reduce\_ex\_\_ # <built-in method \_\_reduce\_ex\_\_ of Response object at 0xf25250>

#print response.\_\_repr\_\_ # <bound method Response.\_\_repr\_\_ of <Response [201]>>

#print response.\_\_setattr\_\_ # <method-wrapper '\_\_setattr\_\_' of Response object at 0xc25250>

#print response.\_\_setstate\_\_ # <bound method Response.\_\_setstate\_\_ of <Response [201]>>

#print response.\_\_sizeof\_\_ # <built-in method \_\_sizeof\_\_ of Response object at 0xc25250>

#print response.\_\_str\_\_ # <method-wrapper '\_\_str\_\_' of Response object at 0x18ce250>

#print response.\_\_subclasshook\_\_ # <built-in method \_\_subclasshook\_\_ of type object at 0x18e62d0>

#print response.\_\_weakref\_\_ # None

#print response.\_content # {"token":"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpc3MiOiJuYnVfbWFzdGVyIiwianRpIjoiNzMzYWIyOTUtNGU2MC00MDYzLTliZmEtMmQxZmVhYThkYTZmIiwiaWF0IjoxNTU1MDg0NTEzODYzLCJleHAiOjE1NTUxNzA5MTM4NjEsInN1YiI6ImFkYzA5NG5iYWRtaW4wMS51cy5vcmFjbGUuY29tOnRzY2FydGVyOnVuaXhwd2QiLCJhdXRoX3Rva2VuIjoiNzMzYWIyOTUtNGU2MC00MDYzLTliZmEtMmQxZmVhYThkYTZmIiwiaXNfYWRtaW4iOiJmYWxzZSIsImlzX21hY2hpbmUiOiJmYWxzZSIsInRva2VuX3R5cGUiOiJTRVNTSU9OIn0.BIy7QwqHl\_4-YFqNWXaNdNlaYWyh6ZhnlkaffrTg26ou\_TLy4DEbl1EnhKYCRD6YZzJv\_G\_UOTg-oWhoIMmfgqHHiEvoxq2QkpjUJITaPl2i2l8vdNdYmS1Z3ej1ItfEEbkUMzP-CjxAGlicRSAtZsW3bILHEuwiKMWLkrdflI4","tokenType":"BEARER","validity":86400}

#print response.\_content\_consumed # True

#print response.apparent\_encoding # ascii

#print response.close # <bound method Response.close of <Response [201]>>

#print response.connection # <requests.adapters.HTTPAdapter object at 0x17d31d0>

#print response.content # {"token":"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpc3MiOiJuYnVfbWFzdGVyIiwianRpIjoiOWViYWUzMjItNTFlNC00MWM1LTkyNjctMjhiNGYzYzkxOGU0IiwiaWF0IjoxNTU1MDg0NjM5MzYwLCJleHAiOjE1NTUxNzEwMzkzNTksInN1YiI6ImFkYzA5NG5iYWRtaW4wMS51cy5vcmFjbGUuY29tOnRzY2FydGVyOnVuaXhwd2QiLCJhdXRoX3Rva2VuIjoiOWViYWUzMjItNTFlNC00MWM1LTkyNjctMjhiNGYzYzkxOGU0IiwiaXNfYWRtaW4iOiJmYWxzZSIsImlzX21hY2hpbmUiOiJmYWxzZSIsInRva2VuX3R5cGUiOiJTRVNTSU9OIn0.SQHEgo8GFzWOtnBrGZ4aQrPYz3WovHWgfOSrRMTwy556vM03Stg2hLrX8KsquNlxIpmrtwq9xbghMP52NNnDzh2Jq0HIbctJr5LwyYXAx--UNfAgShH-oNcBjlV-nY41mfT6fd2WAXBWuFApzqeP4X6j\_6ZvcAnY5zGwL1\_vras","tokenType":"BEARER","validity":86400}

#print response.cookies # <<class 'requests.cookies.RequestsCookieJar'>[]>

#print response.elapsed # 0:00:01.793494

#print response.encoding # UTF-8

#print response.headers # {'transfer-encoding': 'chunked', 'date': 'Fri, 12 Apr 2019 16:05:30 GMT', 'x-request-id': 'A2EA527C878E77F6', 'content-type': 'application/json;charset=UTF-8', 'location': 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/login/eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpc3MiOiJuYnVfbWFzdGVyIiwianRpIjoiYTNhZTQ2ZTctY2Q5OC00ODY0LWE1NTktOTEzZjM3MzJlNmY4IiwiaWF0IjoxNTU1MDg1MTMwNjAzLCJleHAiOjE1NTUxNzE1MzA2MDEsInN1YiI6ImFkYzA5NG5iYWRtaW4wMS51cy5vcmFjbGUuY29tOnRzY2FydGVyOnVuaXhwd2QiLCJhdXRoX3Rva2VuIjoiYTNhZTQ2ZTctY2Q5OC00ODY0LWE1NTktOTEzZjM3MzJlNmY4IiwiaXNfYWRtaW4iOiJmYWxzZSIsImlzX21hY2hpbmUiOiJmYWxzZSIsInRva2VuX3R5cGUiOiJTRVNTSU9OIn0.O3HvxEJyQeNAAjmizvvJaXvQ3b37AvlENJA31fF0iLwwlPsc1GdtHQlZUmyfxawP-tmZCk\_gwF1VU\_GUF-huJW1TN61Q8XHjFjkCIqac-WgMoIgDsTwbE23kp8FUYKiK5NaHOe7iEYhdQKYW8PdsLwQ5RqWzUN1bDVnfCn3eiLA'}

#print response.history # []

#print response.is\_permanent\_redirect # False

#print response.is\_redirect # False

#print response.iter\_content # <bound method Response.iter\_content of <Response [201]>>

#print response.iter\_lines # <bound method Response.iter\_lines of <Response [201]>>

#print response.json # <bound method Response.json of <Response [201]>>

#print response.links # {}

#print response.ok # True

#print response.raise\_for\_status # <bound method Response.raise\_for\_status of <Response [201]>>

#print response.raw # <urllib3.response.HTTPResponse object at 0x1f752d0>

#print response.reason # <<< left blank literally >>>

#print response.request # <PreparedRequest [POST]>

#print response.status\_code # 201

#print response.text # {"token":"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJpc3MiOiJuYnVfbWFzdGVyIiwianRpIjoiMjA2ZjU4MWQtOTEzMi00ZjZiLTk0NmMtYzQwOGNjNjdkZmI0IiwiaWF0IjoxNTU1MDg1NzYyNzAzLCJleHAiOjE1NTUxNzIxNjI3MDEsInN1YiI6ImFkYzA5NG5iYWRtaW4wMS51cy5vcmFjbGUuY29tOnRzY2FydGVyOnVuaXhwd2QiLCJhdXRoX3Rva2VuIjoiMjA2ZjU4MWQtOTEzMi00ZjZiLTk0NmMtYzQwOGNjNjdkZmI0IiwiaXNfYWRtaW4iOiJmYWxzZSIsImlzX21hY2hpbmUiOiJmYWxzZSIsInRva2VuX3R5cGUiOiJTRVNTSU9OIn0.Ok6lI3MsL\_G4Es0RoBodXACmu1PV8c3fgyAlTGLKZhT9hFSdD0GRf7-0\_-q5iZguULdEa7f5cb89JyoScw4Fxzix0eo3mvSVxTAWtH3ebSkykA9QGFrlJEfQHjPKy-LEHupw2OZbec2BVkOoSIVqyos3OHP6Zrugu1P1ONL\_97g","tokenType":"BEARER","validity":86400}

print response.url # https://adc094nbadmin01.us.oracle.com:1556/netbackup/login

#['\_\_attrs\_\_', '\_\_bool\_\_', '\_\_class\_\_', '\_\_delattr\_\_', '\_\_dict\_\_', '\_\_doc\_\_', '\_\_format\_\_', '\_\_getattribute\_\_', '\_\_getstate\_\_', '\_\_hash\_\_', '\_\_init\_\_', '\_\_iter\_\_', '\_\_module\_\_', '\_\_new\_\_', '\_\_nonzero\_\_', '\_\_reduce\_\_', '\_\_reduce\_ex\_\_', '\_\_repr\_\_', '\_\_setattr\_\_', '\_\_setstate\_\_', '\_\_sizeof\_\_', '\_\_str\_\_', '\_\_subclasshook\_\_', '\_\_weakref\_\_', '\_content', '\_content\_consumed', 'apparent\_encoding', 'close', 'connection', 'content', 'cookies', 'elapsed', 'encoding', 'headers', 'history', 'is\_permanent\_redirect', 'is\_redirect', 'iter\_content', 'iter\_lines', 'json', 'links', 'ok', 'raise\_for\_status', 'raw', 'reason', 'request', 'status\_code', 'text', 'url']

#print json.loads(response.\_\_attrs\_\_)

print

#print "\*\*\* response.content \*\*\*"

#print response.content

#print

resp\_dic = json.loads(response.content) # Golden, converts response contents into a dictionary

#print "\*\*\* resp\_dic \*\*\*"

#print resp\_dic

#print

#print "\*\*\* resp\_dic['token'] \*\*\*"

#print resp\_dic['token']

token = str(resp\_dic['token']) # Golden, takes the 'token' from the dictionary

jwt = str(resp\_dic['token']) # Golden, takes the 'token' from the dictionary

response = ""

print

print

print "\*\*\* Flag 2 \*\*\*"

#url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/admin/jobs/81431' # picked some job 76342

#url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/admin/jobs' # picked some job 76342

#url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/ping' # 200 AND RETURNED A RESULT!

#url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/appdetails' #

#url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/config/hosts' # 401 user does not have permissions

url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/config/policies' # 401 user does not have permissions

#url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/security/auditlogs' # 401 user does not have permissions

#url = 'https://adc094nbadmin01.us.oracle.com:1556/netbackup/catalog/images' # Gets a 404 - not found

#content\_type = "application/vnd.netbackup+json; version=1.0"

content\_type = "application/json"

#headers = {'Accept': 'application/vnd.netbackup+json;version=1.0', 'Authorization': token}

headers = {'Content-Type': content\_type, 'Authorization': jwt}

print "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"

print "URL"

print url

print "\*\*\*"

print "Headers"

print headers

print "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"

response = requests.get(url, verify=False, headers=headers)

print "\*\*\* (response.json) \*\*\*"

print (response.json)

print

#print "\*\*\* text \*\*\*"

#print response.text

#print

#print "\*\*\* dir(response) \*\*\*"

#print dir(response)

#print

print "\*\*\* response.content \*\*\*"

print response.content