import json

import os, csv, sys

import getpass

import requests

import traceback

from requests.packages.urllib3.exceptions import InsecureRequestWarning

base\_url = "https://my.company.com/PasswordVault/"

def get\_cyber\_ark\_logon\_result(uname, passwd):

CyberArkLogonResult = ''

url = base\_url + "API/auth/Cyberark/Logon"

payload = '{"username": "%s", "password": "%s"}' % (uname, passwd)

headers = {'content-type': 'application/json'}

response = requests.request("POST", url, verify=False, data=payload, headers=headers)

print("This is the status code for get\_cyber\_ark\_logon\_result: {}".format(response.status\_code))

if response.status\_code == 404:

print ("Page not found!")

print (response.reason)

sys.exit(1)

elif response.status\_code == 403:

print ("Access denied! Check username or password")

print (response.text)

sys.exit(1)

elif response.status\_code != 200:

print ("Error while retriving 'CyberArkLogonResult'")

print (response.text)

sys.exit(1)

else:

try:

response\_dict = json.loads(str(response.text))

CyberArkLogonResult = response\_dict

except ValueError as e:

print ("ValueError error: {0}".format(e))

print ("Unable to recieve CyberArkLogonResult {0}".format(response.text))

return CyberArkLogonResult

def get\_safe\_test():

url = base\_url + "WebServices/PIMServices.svc/Safes"

headers = {'Authorization': CyberArkLogonResult}

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

print("This is the status code for get\_safe\_test: {}".format(response.status\_code))

#print(response.text.encode('utf8'))

print(response.content.decode("utf-8"))

return

if \_\_name\_\_ == "\_\_main\_\_":

requests.packages.urllib3.disable\_warnings(InsecureRequestWarning)

print ("#" \* 20)

print ("Warning: Make sure the platform has already been created,\n \

This script will create the the safe automatically if it does not exist.")

print ("#" \* 20)

user = input("API Account Username: ")

passwd = getpass.getpass("Password for " + user + ": ")

print ("Retrieving CyberArkLogonResult...")

CyberArkLogonResult = get\_cyber\_ark\_logon\_result(user, passwd)

if CyberArkLogonResult == '':

sys.exit(1)

print ("CyberArkLogonResult Retrieved!")

test=get\_safe\_test()

print(test)