#!/usr/bin/python

import requests

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

def perform\_login(username, password, base\_url, domain\_name, domain\_type):

url = base\_url + "/login"

if domain\_name != "" and domain\_type != "":

req\_body = {"userName": username, "password": password, "domainName": domain\_name, "domainType": domain\_type}

else:

req\_body = {"userName": username, "password": password}

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

print("performing POST on {0} for user '{1}'\n".format(url, req\_body['userName']))

print "password"

print req\_body['password']

resp = requests.post(url, headers=headers, json=req\_body, verify=False)

if resp.status\_code != 201:

raise Exception('Login API failed with status code {0} and {1}'.format(resp.status\_code, resp.json()))

return resp.json()['token']

def get\_netbackup\_images(jwt, base\_url):

url = base\_url + "/catalog/images"

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

query\_params = {

# "page[limit]": 100, #This changes the default page size to 100

# "filter": "policyType eq 'VMware'" #This adds a filter to only show VMware backup Images

}

print("performing GET on {0}\n".format(url))

resp = requests.get(url, headers=headers, params=query\_params, verify=False)

if resp.status\_code != 200:

raise Exception('Images API failed with status code {0} and {1}'.format(resp.status\_code, resp.json()))

return resp.json()

def get\_netbackup\_jobs(jwt, base\_url):

url = base\_url + "/admin/jobs"

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

query\_params = {

# "page[limit]": 100, #This changes the default page size to 100

# "filter": "jobType eq 'RESTORE'" #This adds a filter to only show RESTORE Jobs

}

print("performing GET on {0}\n".format(url))

resp = requests.get(url, headers=headers, params=query\_params, verify=False)

if resp.status\_code != 200:

raise Exception('Jobs API failed with status code {0} and {1}'.format(resp.status\_code, resp.json()))

print "response"

print resp

return resp.json()

def get\_netbackup\_alerts(jwt, base\_url):

url = base\_url + "/manage/alerts"

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

query\_params = {

# "page[limit]": 100, #This changes the default page size to 100

# "filter":"subCategory eq 'VMWARE'" # This adds a filter to only show the alerts for job failures for VMWARE

}

print("performing GET on {0}\n".format(url))

resp = requests.get(url, headers=headers, params=query\_params, verify=False)

if resp.status\_code != 200:

raise Exception('Alert API failed with status code {0} and {1}'.format(resp.status\_code, resp.json()))

return resp.json()