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#!/usr/bin/python3
import json
import feedparser
import urllib3
import time
from datetime import datetime, timedelta
import requests
from oci.config import from_file
from oci.signer import Signer

def get_time():
    with open("current_time.txt", "r") as f:
        return f.read()

def set_time():
    with open("current_time.txt", "w") as f:
        now = datetime.now()
        date_time = now.strftime("%Y-%m-%dT%H:%M:%S.%f")[:-3] + 'Z'
        f.write(date_time)

def oci_notification(body):
    config = from_file(profile_name="vfv-oci-profile")
    auth = Signer(
        tenancy=config['tenancy'],
        user=config['user'],
        fingerprint=config['fingerprint'],
        private_key_file_location=config['key_file'],
        pass_phrase=config['pass_phrase']
    )
    endpoint = 'https://notification.us-ashburn-
1.oraclecloud.com/20181201/topics/ocid1.onstopic.oc1.iad.aaaaaaaqauffeunbqfj32rjofa4fu6jozrht6oniclmjhmcbddbbr3xtwq/messages'
    response = requests.post(endpoint, json=body, auth=auth)
    response.raise_for_status()
    print(response.json())

def newhires():
    with open("demo_user.json", "r") as handler:
        jsonCredentials = json.load(handler)
    url = jsonCredentials["url"] + '/hcmCoreApi/atomServlet/employee/newhire?updated-min=' + get_time()
    set_time()
    auth = jsonCredentials["username"] + ':' + jsonCredentials["password"]
    myHeaders = urllib3.util.make_headers(basic_auth=auth)
    feed = feedparser.parse(url, request_headers=myHeaders)
    for post in feed['entries']:
        e = json.loads(post.content[0].value)
        msg = 'Hire Date: ' + e['Context'][0]['EffectiveStartDate'] + ' ' + 'PersonNumber: ' + e['Context'][0]['PersonNumber']
        body = {
            "title": post.title,
            "body": msg
        }
        oci_notification(body)

#def terminations():

def run():
    while True:
        newhires()
        time.sleep(30)

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if __name__ == "__main__":  
    run()
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