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import RPi.GPIO as GPIO
import time
import datetime
import os
import httplib, urllib

push_token = 'xxxxxxxxxxxxxxxxxxxx' ## API token
push_user = 'yyyyyyyyyyyyyyyyyyyy' ## API user key
#logfile = '/home/pi/Doorbell/doorbell_log.txt'

buttonPin = 18
GPIO.setmode(GPIO.BCM)
GPIO.setup(buttonPin,GPIO.IN)

def alert_action(channel):
    timestamp = datetime.datetime.now()
    #file = open(logfile,'a')
    #file.write("%s - Doorbell rung\n" % (timestamp))
    #file.close()
    print('Signal detected on GPIO %s - Doorbell rung'%channel)
    if channel == buttonPin :
        conn = httplib.HTTPSConnection("api.pushover.net:443")
        conn.request("POST", "/1/messages.json",
            urllib.urlencode({
                "token": push_token,
                "user": push_user,
                "message": "Doorbell rung",
                "priority": "1",
            }), { "Content-type": "application/x-www-form-urlencoded" })
        conn.getresponse()

GPIO.add_event_detect(buttonPin, GPIO.RISING, callback=alert_action, bouncetime=3000)

try:
    while True:
        time.sleep(1)

finally:
    print('Cleaning up ports')
    GPIO.cleanup() # this ensures a clean exit

```