# **Write a Script to Monitor a Website, Send Alert Emails, and Reboot Servers**

import os

import smtplib

import requests

# import logging

from linode\_api4 import LinodeClient, Instance

EMAIL\_ADDRESS = os.environ.get('EMAIL\_USER')

EMAIL\_PASSWORD = os.environ.get('EMAIL\_PASS')

LINODE\_TOKEN = os.environ.get('LINODE\_TOKEN')

# logging.basicConfig(filename='PATH\_TO\_DESIRED\_LOG\_FILE',

#                     level=logging.INFO,

#                     format='%(asctime)s:%(levelname)s:%(message)s')

def notify\_user():

    with smtplib.SMTP('smtp.gmail.com', 587) as smtp:

        smtp.ehlo()

        smtp.starttls()

        smtp.ehlo()

        smtp.login(EMAIL\_ADDRESS, EMAIL\_PASSWORD)

        subject = 'YOUR SITE IS DOWN!'

        body = 'Make sure the server restarted and it is back up'

        msg = f'Subject: {subject}\n\n{body}'

        # logging.info('Sending Email...')

        smtp.sendmail(EMAIL\_ADDRESS, 'INSERT\_RECEIVER\_ADDRESS', msg)

def reboot\_server():

    client = LinodeClient(LINODE\_TOKEN)

    my\_server = client.load(Instance, 376715)

    my\_server.reboot()

    # logging.info('Attempting to reboot server...')

try:

    r = requests.get('https://example.com', timeout=5)

    if r.status\_code != 200:

        # logging.info('Website is DOWN!')

        notify\_user()

        reboot\_server()

    else:

        # logging.info('Website is UP')

except Exception as e:

    # logging.info('Website is DOWN!')

    notify\_user()

    reboot\_server()