Ei Ei Nyein Chan

IT Internship

[eieinyeinchan@mahaawba.com](mailto:eieinyeinchan@mahaawba.com)

+959250343345

**Document for ping test**

*Simple Scenario for Monitoring ICMP packets*

Ping an IP address and get ping status to send an email every 15 minutes

Step 1 : ping 127.0.0.1

Step 2 : get and store ping status in a file for later use

Step 3 : use SMTP mail service to send an email

Step 4 : convert to an .exe file to use in every Windows OS

Step 5 : use Windows 10 Task Scheduler to set a timer to run this program

I use Python Programming to make a script file

**PyTest.py**

import os

import smtplib

from email.

ip = “127.0.0.1”

f = open(‘logText.txt’,’w+’)

#ip\_list = [“8.8.8.8”, “8.8.8.4”, “127.0.0.1”] // ip array

#for ip in ip\_list:

#response = os.popen(f”ping {ip}”).read()

#f.write(response)

#print(str(response))

response = os.popen(f”ping “+ip).read()

f.write(response)

print(str(response))

f.close()

sender\_mail = ‘sender@company.com’

password = ‘sender\_pwd’

smtpsrv="smtp.office365.com"

smtpserver=smtplib.SMTP(smtpsrv,587)

### Creating email structure ###

msg=EmailMessage()

msg['Subject']='Email Testing with Python'

msg['From']=’sender@ company.com'

msg['To']='receiver@company.com'

with open('logfile.txt') as f:

msg.set\_content(f.read())

time.sleep(2)

print('Sending mail...')

smtpserver.ehlo()

smtpserver.starttls()

smtpserver.login(sender\_mail,password)

smtpserver.send\_message(msg)

time.sleep(2)

print('Mail sent!!!')

smtpserver.close()

**How to convert .py file to .exe?**

Actually, **pyinstaller** module is the most suitable for converting exe file.

Firstly, **before** go to cmd in Administrator mode

C:\Users\Windows >>

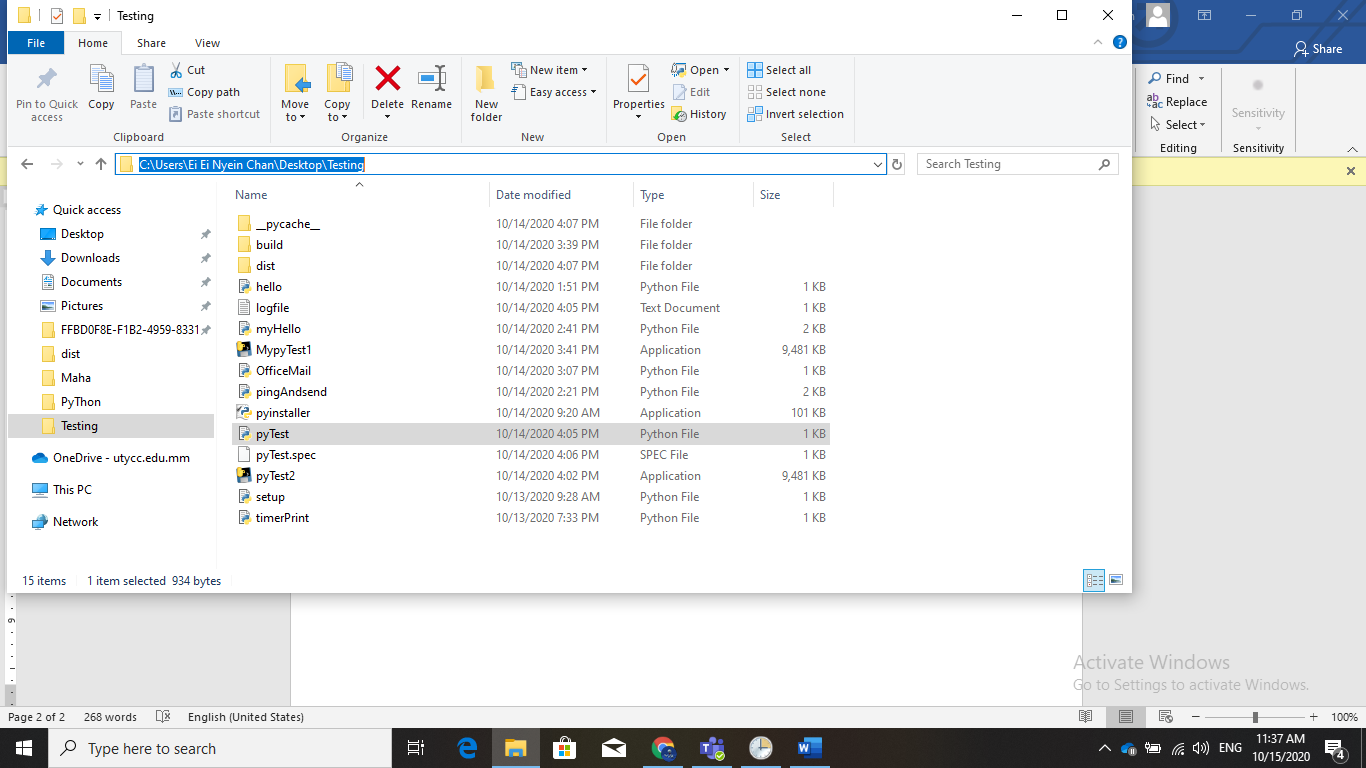
Please check **Windows Environment Variables** for Python Path.

Actually, it may be already made when installing Python. But if there is no Path for Python, make a path using EDIT button to choose python folder location: **C:\Users\Ei Ei Nyein Chan\AppData\Local\Programs\Python\Python38**

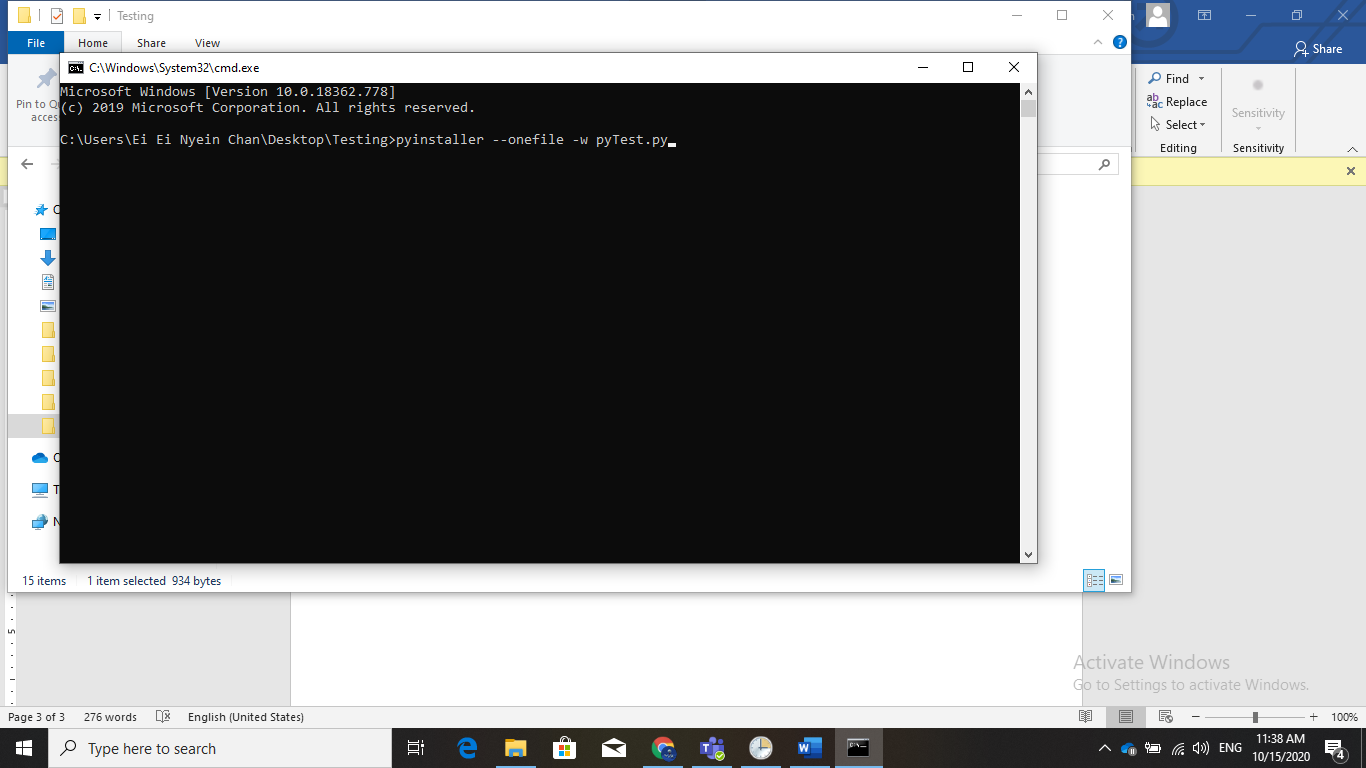
After ensure for checking python path go to cmd in Admin mode to install **pyinstaller module**

C:\Users\Windows >> pip install pyinstaller

After that, go to pyTest.py file location via Windows Explorer and type **cmd** in blue selected area(file location).



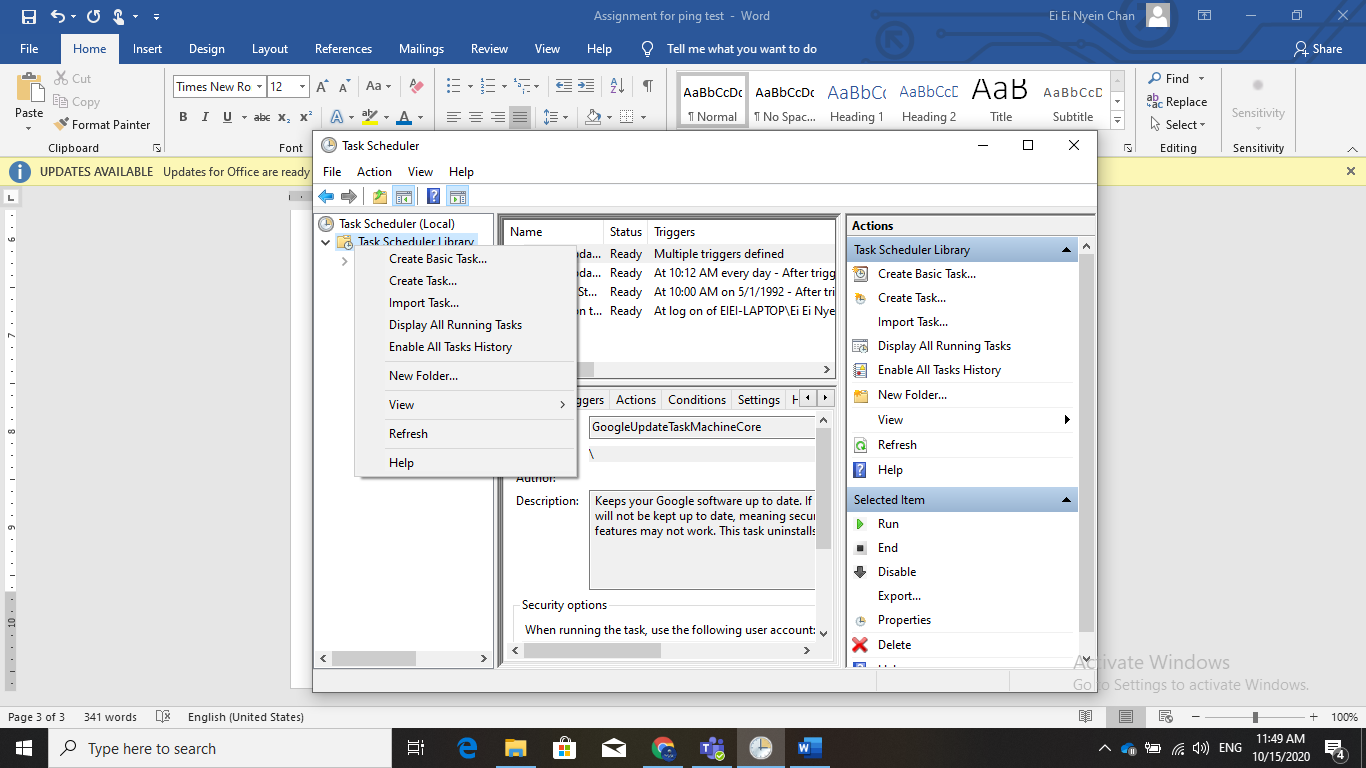
Type “**pyinstaller - - onefile -w pyTest.py**” to convert .py to .exe file.



You’ll see \_\_pycache\_\_, build, and dist folders under Testing Folder where pyTest.py exits. In dist folder, you can find pyTest.exe to run.

**How to make 3 minutes timer in Windows 10 Task Scheduler?**

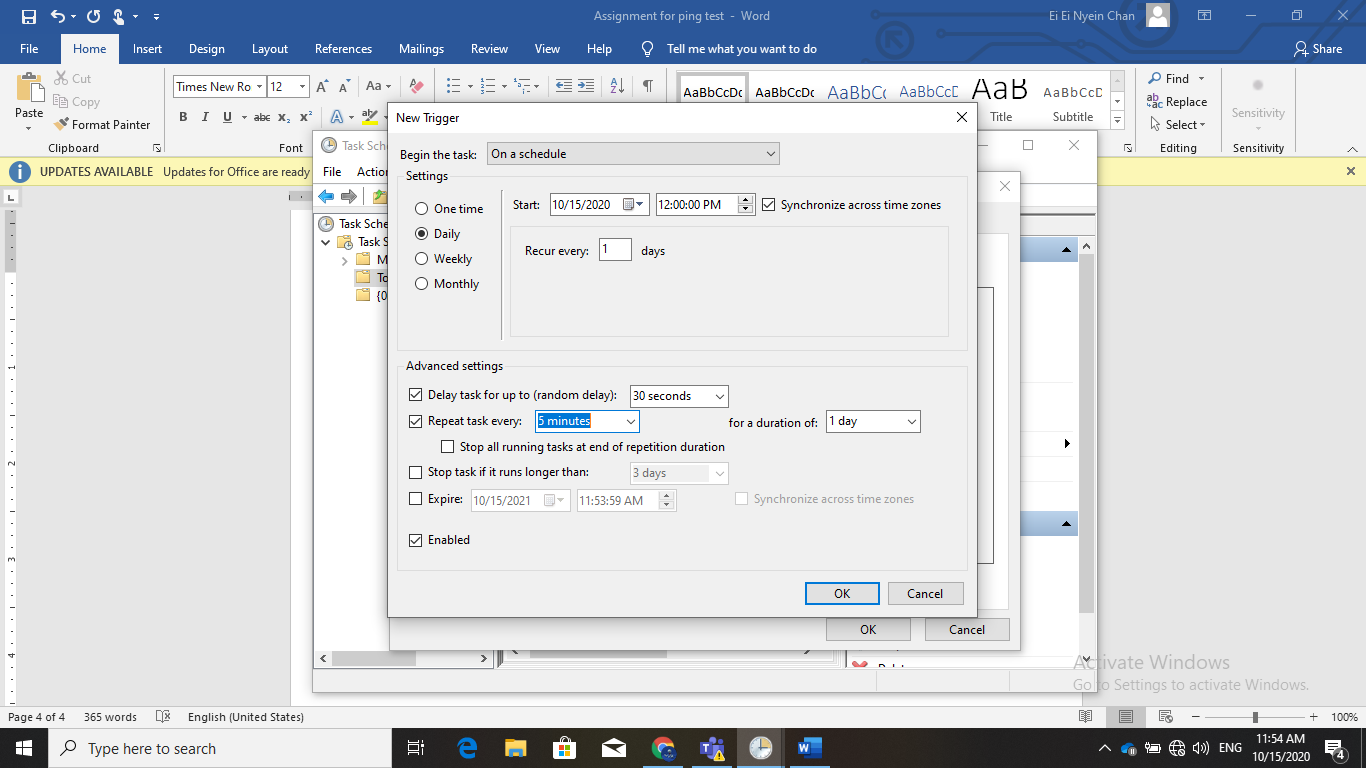
Search task scheduler in Windows 10, and then set up some settings to make a timer to run pyTest.py.



Create New Folder🡪 give a name 🡪 Create Task (on the right side panel)

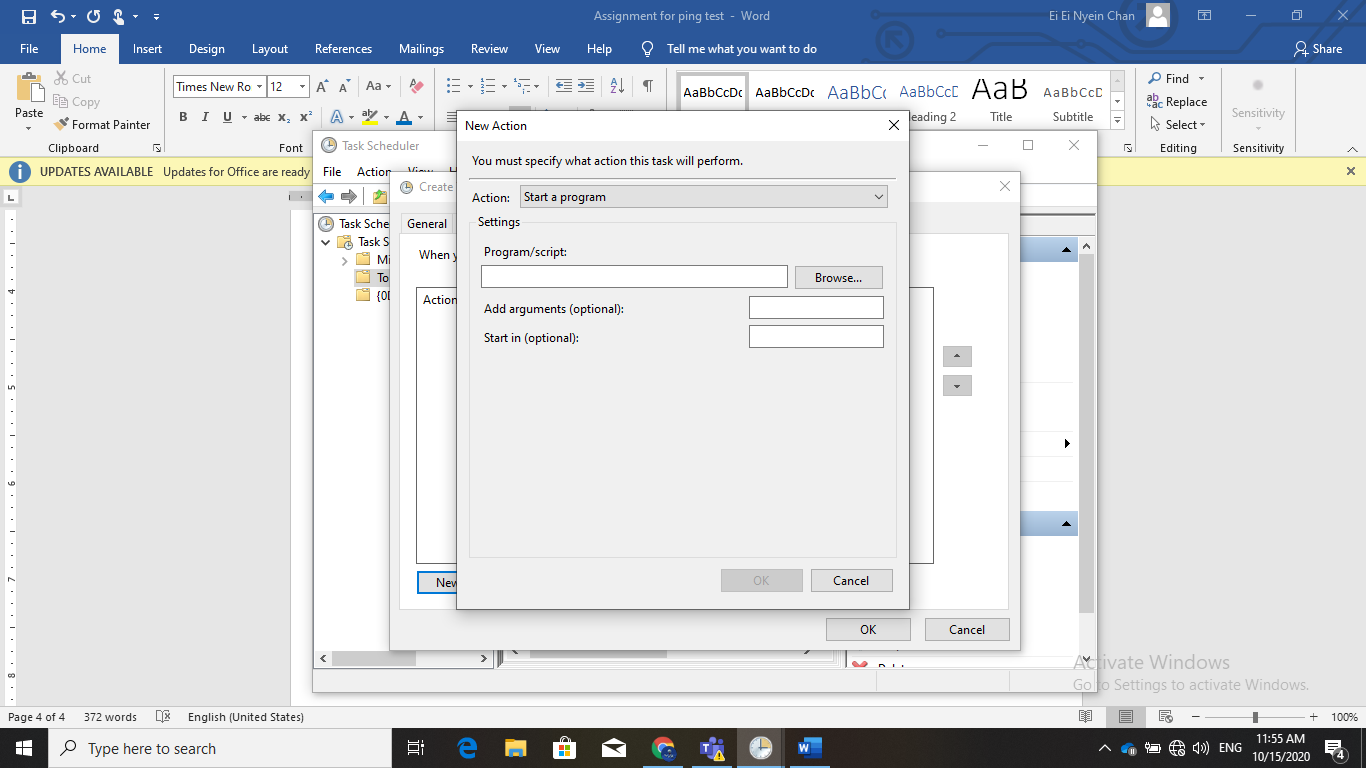
General🡪 Name🡪 Select user logged on

Triggers 🡪 New 🡪You can set anything you want like this



Actions 🡪 Choose start a program and

Program Script is 🡪 .exe location to run



Conditions 🡪 You can choose as you want

Settings 🡪 You can choose as you want