## INTRODUCTION TO COMPUTER SECURITY PHASE-3 INFECTION

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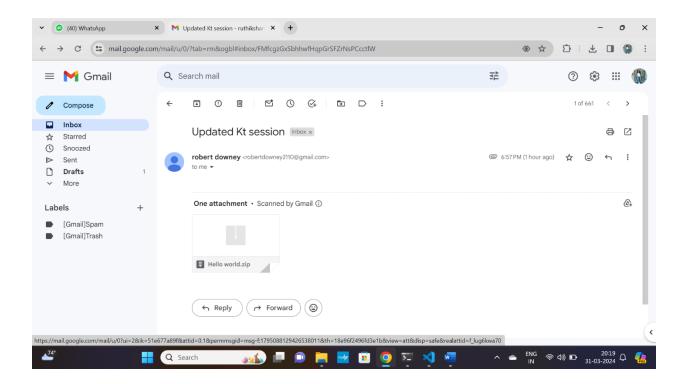
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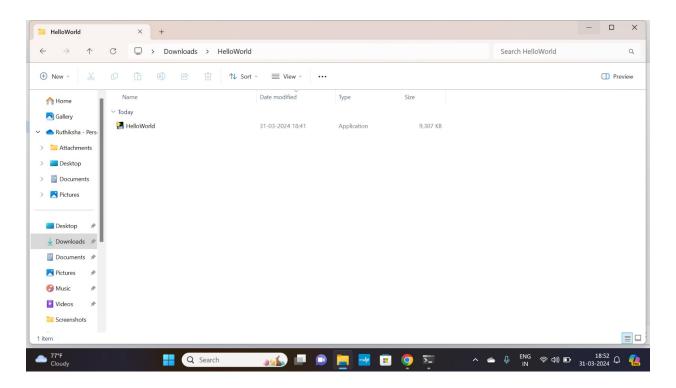
Introduction: In this phase we will be sending a Phishing email to our target person. In the previous phase we have seen the encryption and decryption. In addition to that we will be writing a script which the target user will download on their device. The .exe file will be run once the user clicks on it. We have given the path of the folder where the code runs and encrypts the entire folder.

Here, We have demonstrated the email phishing by giving our Gmail as the target email.

The below is the email from Robert Downey alias me. The Hello world.zip consists of the .exe file.

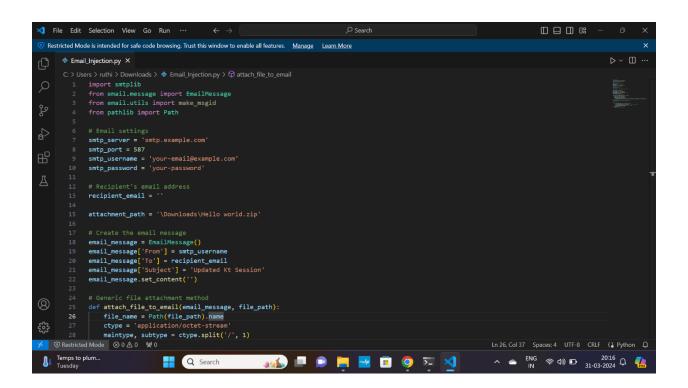


The below is the Helloworld application which will encrypt the entire folder as the path has been given in our code.

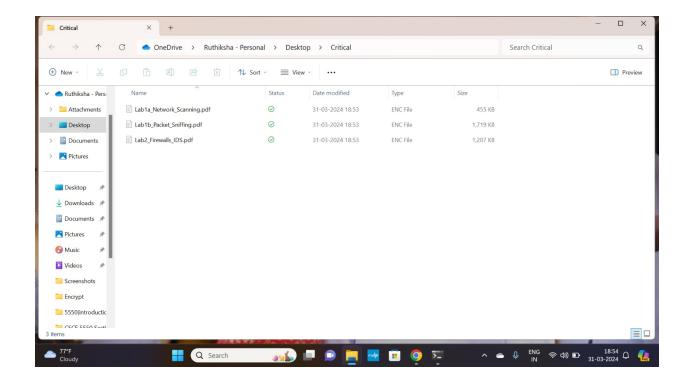


The below code is to send the Phishing email to our target. I have used smtplib library which is used to send emails programmatically. SMTP is called as simple mail transfer protocol. We can even send attachments by using this library by just giving the path of the folder and the attachment will be attached with the email.

You can see that the message in the code matches the above mail screenshot received from Robert Downey.



Now the Helloworld program needs the attention of the user to just click on it and the rest is taken care as the code automates and runs the program on the target device and encrypts the file path given in the code.



The files are encrypted as you can see that the Files are in the type ENC type which means that the files are encrypted, and the user can't access them unless they have a key. But, we won't be sharing the key with the target as we need something like ransom in return to share the key with them. This is called as ransomware attack.