

# **Social Engineering Attacks**

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NAME OF FACULTY: DR. Satish C.J

**COURSE TITLE**: Penetration Testing and Vulnerability

Analysis Lab

**COURSE CODE**: BCSE319P

**LAB SLOT**: L55+L56

**SEMESTER**: Winter Semester 2024-25

**CLASS NO.**: VL2024250505928

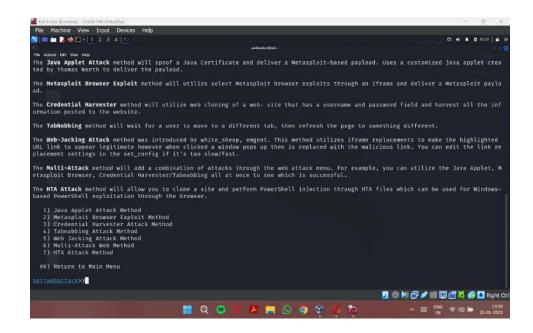
### **SETOOLKIT**

1. Opening the setoolkit and select Social-Engineering Attacks

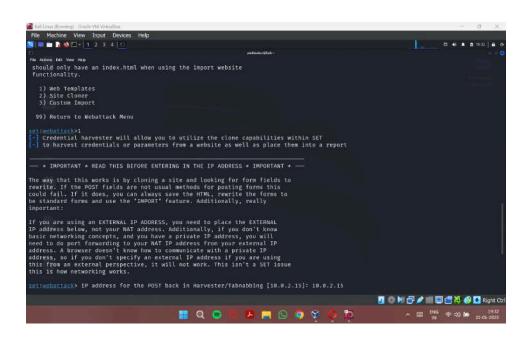
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2. Selecting Website Attack Vectors

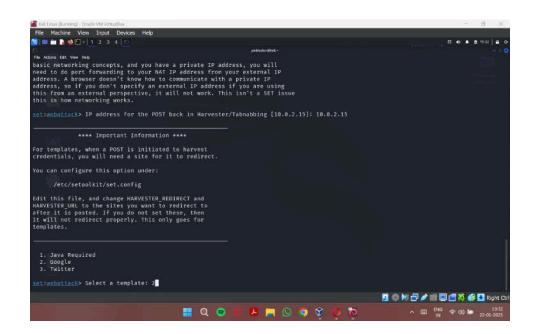
#### 3. Selecting Credential Harvester Attack Method



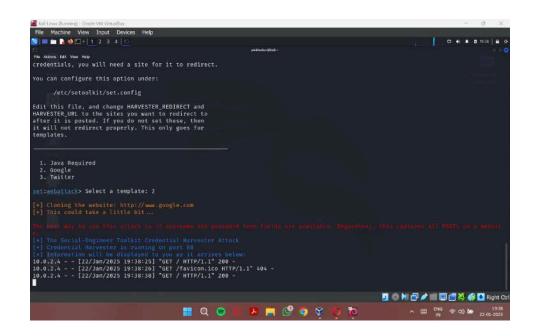
#### 4. Selecting Web Templates



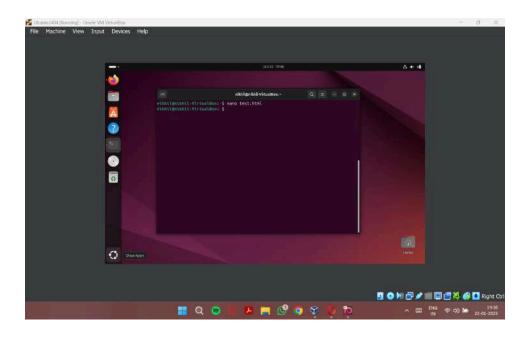
# 5. Selecting Google login template to replicate



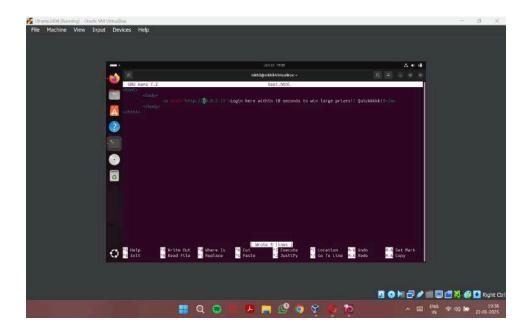
6. The setoolkit backend is running and is listening to receive the data from the victim machine



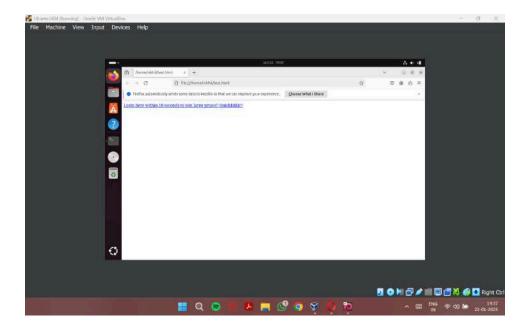
7. In the ubuntu machine, create a HTML page that links to the IP address given to the setoolkit (here: 10.0.2.15)



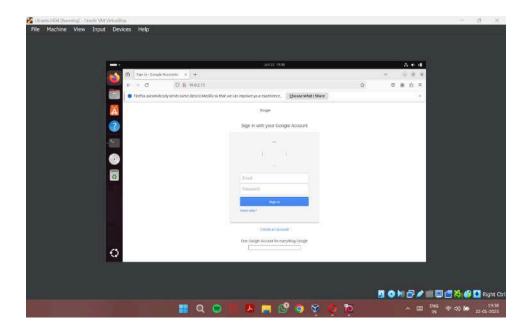
### 8. The HTML page



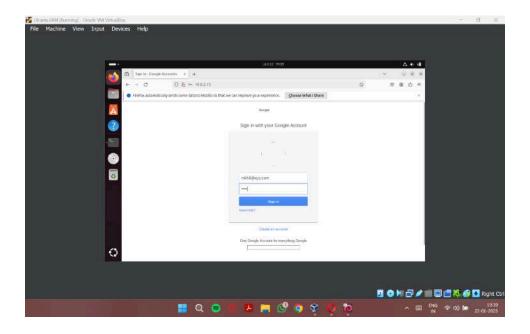
9. Opening the HTML page in web browser (firefox)



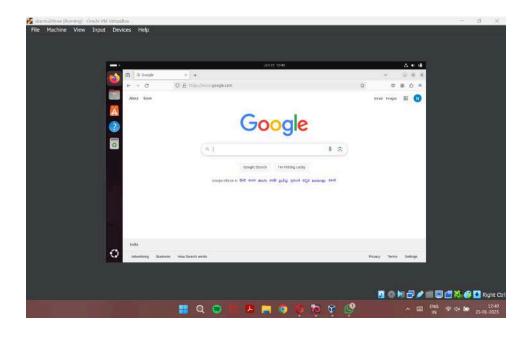
10. Clicking on the link that links to the setoolkit backend which is running in the Kali Linux.



11. Logging into the fake google login page







13 . In the Kali Linux, the setoolkit backed receives the data of the login username and password from the victim Ubuntu machine

### MASS MAILER

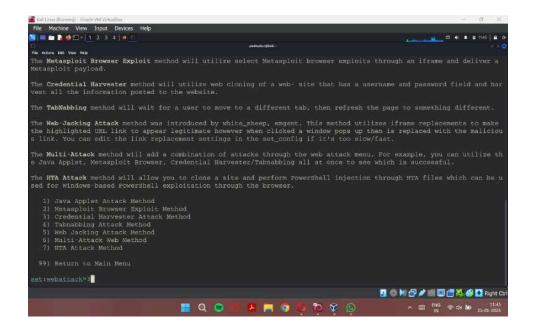
1. Open setoolkit in Kali Linux and select Social-Engineering Attacks

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File Machine View Input Devices Help

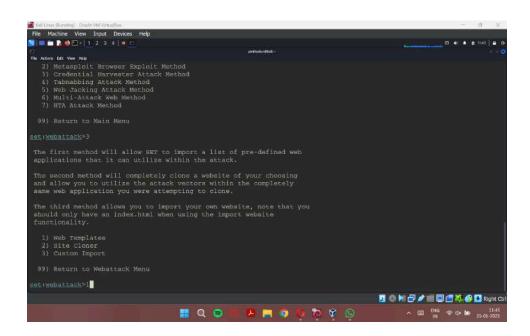
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2. Select Website Attack Vectors

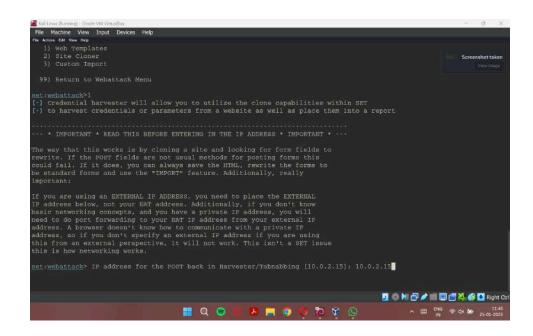
#### 3. Select Credential Harvester Attack Method



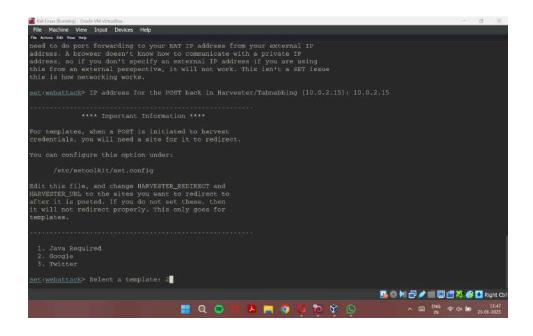
### 4. Select Web Template



5. Enter the IP address that the data from the victim machine should gather to (here 10.2.0.15)



6. Select Google template replication



7. The setoolkit backend is running and is listening to receive the data from the victim machine

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File Machine View Input Devices Help

File Machine View Input Devices Help

For templates, when a POST is initiated to harvest credentials, you will need a site for it to redirect.

You can configure this option under:

/etc/setoolkit/set.config

Edit this file, and change MARVESTER_REDIRECT and INARVESTER_REDIRECT and INARVESTER_URL to the sites you want to redirect to after it is posted. If you do not set these, then it will not redirect properly. This only goes for templates.

1. Java Required
2. docgle
3. Twitter

setimenhatizack> Select a template: 2

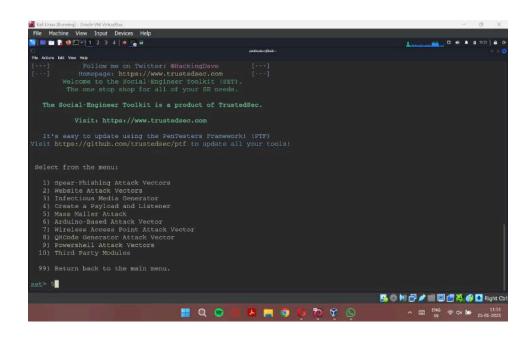
[*] Choning the website: http://www.google.com
[*] This could take a little bit...

The best way to use this attack is if username and password form fields are available. Regardless, this captures all P OSTs on a websito.

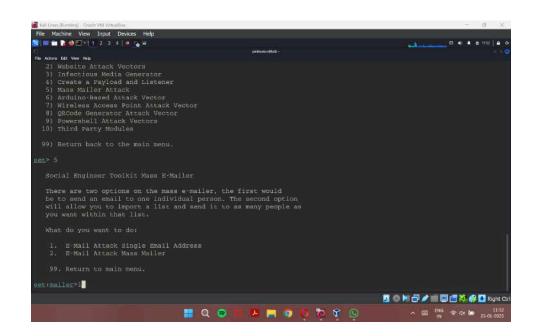
[*] The Social-Engineer Toolkit Credential Harvester Attack
[*] Credential Harvester is running on port 80
[*] Information will be displayed to you as it arrives below:
```

8. Open another setoolkit interface in another terminal and select Social-Engineering Attacks

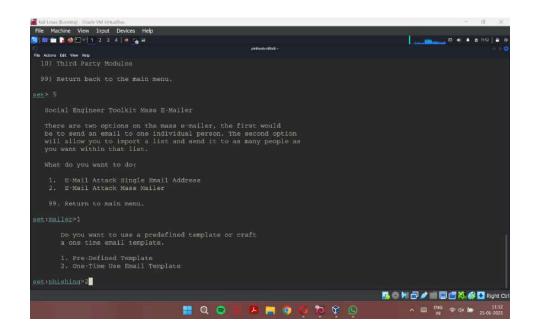
### 9. Selecting Mass Mailer Attack



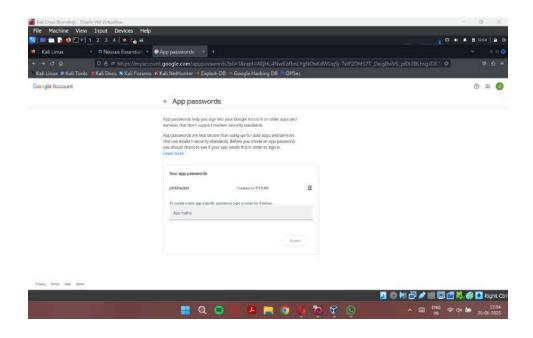
## 10. Selecting E-Mail Attack Single Email Address



11. Select One-Time Use Email Template

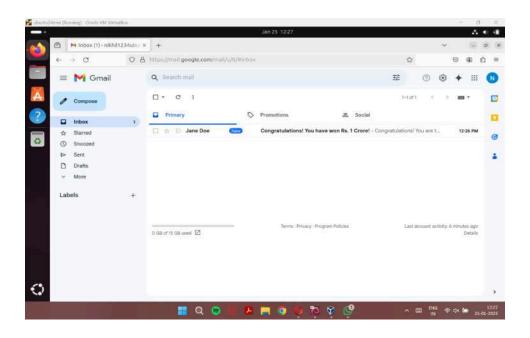


12. In parallel, set up the App password for the sender email (here janeclairephildoe@gmail.com)

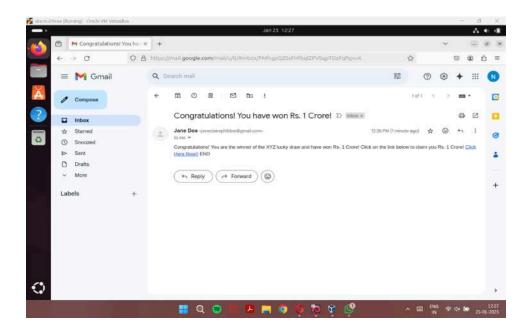


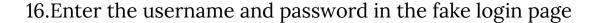
13. Enter the email subject, body and add the link to 10.0.2.15 in the body and victim address (nikhil1234ubuntu@gmail.com) and the sender address and the user name of the sender the victim would see and paste the app password from the previous step and deselect high priority, attach file or infile and send the mail.

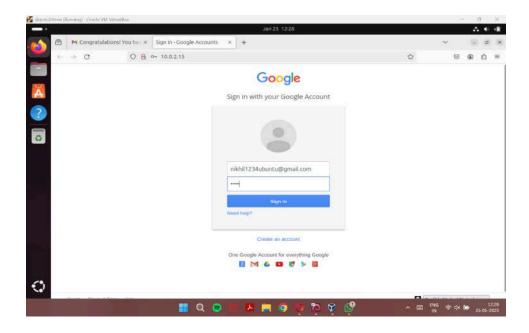
14.In the victim Ubuntu machine the mail in received in the Inbox



### 15. Opening the mail







17. The same data is received in the Kali Linux setoolkit interface

#### HTML CODE

#### Landing Page

#### 22BCE0826 Dhevatha S P

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</form>
</body>
</html>
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