CYSE 450 Ethical Hacking and Penetration Testing

Assignment 10.1 - Using the Social Engineering Toolkit (set) to Harvest Credentials

(50 Points)

Complete all the steps and **submit the screenshot for the contents of the XML file** with login credentials for, **johnsmith@test.com**.

- 1. Open the **root** terminal in Kali.
- 2. Type the command **setoolkit** to open the social engineering toolkit.
- 3. On the SET main page, select **1.) Social Engineering Attack** menu item by pressing **1**, followed by pressing the "Enter" key.



4. On the social Engineering Attacks page, select the **2.) Website Attack Vectors** menu item by pressing **2**, followed by pressing the "Enter" key.



5. On the Website Attack Vectors page, select **3.) Credential Harvester Attack** Method menu item by pressing **3**, followed by pressing the "Enter" key.

root@kali:~
File Actions Edit View Help
The TabNabbing method will wait for a user to move to a different tab, then refresh the page t thing different.
The Web-Jacking Attack method was introduced by white_sheep, emgent. This method utilizes ifra lacements to make the highlighted URL link to appear legitimate however when clicked a window p then is replaced with the malicious link. You can edit the link replacement settings in the nfig if its too slow/fast.
The Multi-Attack method will add a combination of attacks through the web attack menu. For exa ou can utilize the Java Applet, Metasploit Browser, Credential Harvester/Tabnabbing all at onc ee which is successful.
The HTA Attack method will allow you to clone a site and perform powershell injection through les which can be used for Windows-based powershell exploitation through the browser.
1) Java Applet Attack Method 2) Metasploit Browser Exploit Method 3) Credential Harvester Attack Method 4) Tabnabbing Attack Method 5) Web Jacking Attack Method 6) Multi-Attack Web Method 7) HTA Attack Method
99) Return to Main Menu
set:webattack>3

6. On the Credential Harvester Attack Method page, select **1.) Web Templates** menu item by pressing **1**, followed by pressing the "Enter" key.



7. When prompted for an IP address for the POST back, just hit "Enter" key to keep your kali machine IP address as the default one.

8. On the Select a template prompt, select the 2. Google menu item



- 9. Open a tab in the browser of your Windows VM or your local computer.
- 10. Type the address of the Kali Linux in the address bar and press "Enter"

Sign in - Google Accounts × +			v – Ø
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	Google		
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	Email		
	Password		
	Sign in		
	Need help?		
	Create an account		
	One Google Account for everything Goog	le	
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 In the email field, type any fake email for example, <u>johnsmith@test.com</u> and for password, type letMEin@2023 and press "sign in" 12. Go back to Kali root terminal, where it was listening for harvesting the credentials. You should be able to see the login and password now like, as shown in the following screenshot:



- 13. Press CONTROL+c key to copy.
- 14. Type **99**, when prompted to return.
- 15. Again, keep typing 99 until you exit

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Select from the menu:
1) Social-Engineering Attacks
2) Penetration Testing (Fast-Track)
3) Third Party Modules
4) Update the Social-Engineer Toolkit
5) Update SET configuration
6) Help, Credits, and About
99) Exit the Social-Engineer Toolkit
set> 99
Thank you for shopping with the Social-Engineer Toolkit.
Hack the Gibson ... and remember ... hugs are worth more than handshakes.
```

16. Open a new **root** terminal in Kali and type the following to view your report.



17. To view/ generate the report in the XML file (the report generated after completing the social engineering attack), use **cat** command and type only 2023, then hit the tab key (to fill the rest of the characters in the file name). Highlight the login and password in the report.