Application Security Lab

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Q. Perform an SQL injection attack

Step 1: Go to the Social Engineering Toolkit

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File Medine Vew Jrout Devices Help

File Actions Edit View Help

The Social-Engineer Toolkit (SET)

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Welcome to the Social-Engineer Toolkit (SET).

The one stop shop for all of your St needs.

The Social-Engineer Toolkit is a product of TrustedSec.

Visit: https://www.trustedsec.com

It's easy to update using the PenTesters Framework! (PTF)

Visit https://sjthub.com/trustedSec/ptf to update all your tools!

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
50) Update SET configuration
6) Help, Credits, and About
```

Step 2: Select option 'Website attack vectors'

```
File Actions Edit View Help

The Social-Engineer Toolkit (SET)

Created by: David Nammedy (NeLIX)

Follow us on Twitter: BirthedSoc
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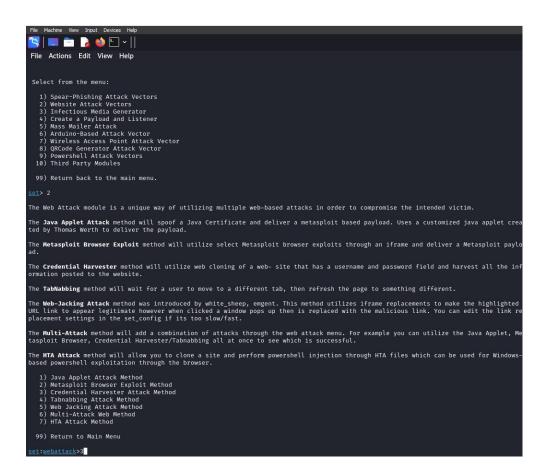
It's easy to update using the PenTesters Framowork! (PTF)
Visit https://github.com/trustedSoc/ptf to update all your tools!

Select from the menu:

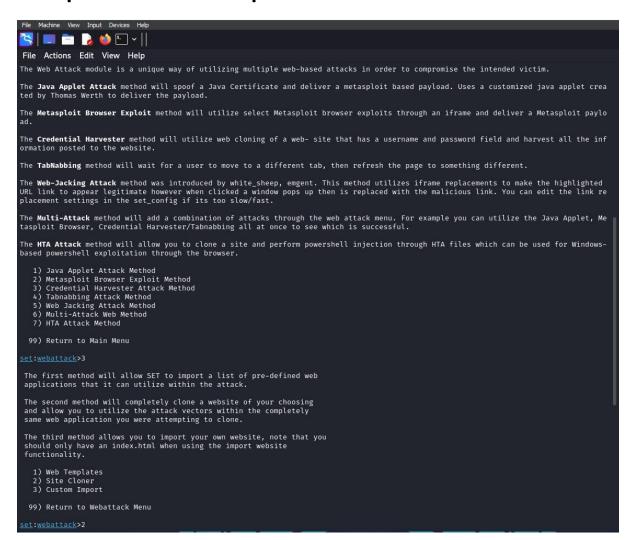
1) Spear-Phishing Attack Vectors
3) Infectious Media Generator
4) Create at Payload and Listener
5) Mass Mailer Attack
6) Arduin-Based Attack Vector
7) Wisches Auction-Based Attack Vector
7) Wisches Based Stack Vector
7) Wisches David Attack Vector
8) Powershell Attack Vectors
10) Third Party Modules
99) Return back to the main menu.

set> 20
```

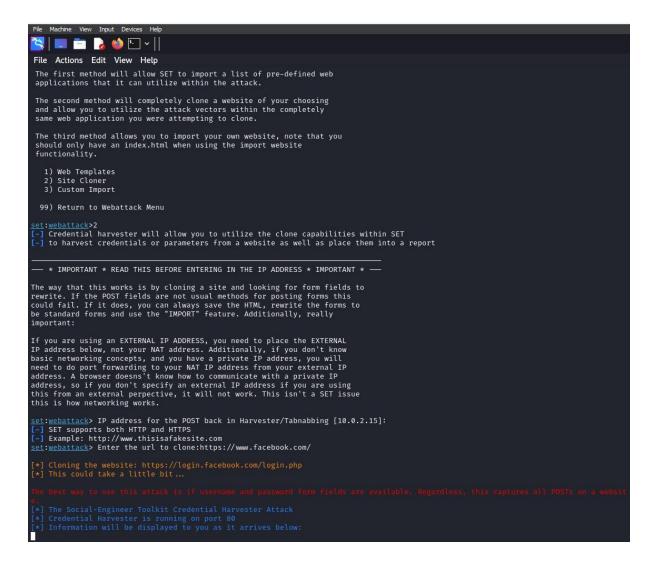
Step 3: Select option 'Credential harvester attack method'



Step 4: Select option 'Site cloner'



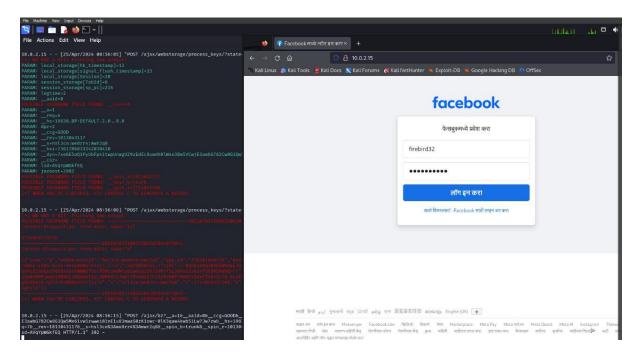
Here, you can clone the website of your choice that has a login page/credentials input spaces, this example has the website facebook.com



After that, the IP address that we get is to be placed in the search bar so that the cloned website can work!



After giving any valid value in the inputs, we get this on our Kali terminal. The entire data of what we've been accessing on that particular website



As you can see in the red highlighted part, we can see that the possible username and passwords can be seen that might help the attacker to access out webpages without us knowing.

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| Machine | New | Pout Device | Neb | New | New
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Conclusion:

In conclusion, the images demonstrate an educational walk-through of various web attack techniques available in the Social-Engineer Toolkit (SET) on the Kali Linux platform. These techniques, while powerful, are meant for authorized penetration testing and security assessments to identify vulnerabilities ethically.

The credential harvesting attack by cloning a website like Facebook showcases how unsuspecting users can be tricked into revealing their login credentials. Other methods outlined include Java Applet Attacks, Metasploit Browser Exploits, TabNabbing, Web Jacking, Multi-Attack combinations, and leveraging HTA files for client-side attacks.

It's essential to reiterate that such activities should only be conducted with explicit permission on systems owned or with the consent of the owners. Responsible disclosure of identified vulnerabilities allows organizations to remediate issues, enhancing their overall security posture.

This walkthrough serves as a learning resource, raising awareness about the potential attack vectors and the need for robust security measures to protect against unauthorized access and data breaches. Ethical hacking plays a crucial role in proactively identifying and mitigating risks, contributing to a more secure online ecosystem.