METASPLOIT

EXP.NO: 14 DATE:15-04-2025

AIM:

The aim of this experiment is to explore and understand the basic usage of the Metasploit Framework, focusing on exploiting vulnerabilities in a target system using various Metasploit modules, setting appropriate parameters, and successfully executing the exploit to gain access to the system.

ALGORITHM:

- 1. Identify Vulnerability: Use the search function to find exploits related to the target system.
- 2. Select Exploit: Choose an appropriate exploit based on the identified vulnerability (e.g., MS17-010 EternalBlue).
- 3. Configure Exploit: Set the necessary parameters such as target IP (RHOSTS), payload, and local port (LPORT).
- 4. Choose Payload: Select the payload that will run on the target system to achieve the desired result (e.g., reverse TCP shell).
- 5. Execute Exploit: Launch the exploit to attempt to compromise the target system.
- 6. Post-Exploitation: After successful exploitation, interact with the compromised system through the Meterpreter session or other post-exploitation tools.

OUTPUT:

Answer the questions below		
What is the name of the code taking advantage of a flaw on the target system?		
Exploit	✓ Correct Ans	wer
What is the name of the code that runs on the target system to achieve the attacker's goal?		
Payload	✓ Correct Ans	wer
What are self-contained payloads called?		
Singles	✓ Correct Ans	wer
Is "windows/x64/pingback_reverse_tcp" among singles or staged payload?		
Singles	✓ Correct Ans	wer
How would you search for a module related to Apache?		
search apache	✓ Correct Answer	
Who provided the auxiliary/scanner/ssh/ssh_login module?		
todb	✓ Correct Answer	♥ Hint

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How would you set the LPORT value to 6666?	
set LPORT 6666	✓ Correct Answer
How would you set the global value for RHOSTS to 10.10.19.23?	
setg RHOSTS 10.10.19.23	✓ Correct Answer
What command would you use to clear a set payload?	
unset PAYLOAD	✓ Correct Answer
What command do you use to proceed with the exploitation phase?	
exploit	✓ Correct Answer

RESULT:

As far we have seen, Metasploit is a powerful tool that facilitates the exploitation process. It would be best if you had used the ms 17-010-eternal blue exploit to gain access to the targetVM

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