Metasploit Exercise Part-2

Preparation: For this exercise, two virtual machines have been prepared. Th first one is Kali Linux, from where Metasploit and Armitage have been run. The other virtual machine is Windows 10.

Objective: The objective of the exercise is to use Msfvenom to create malicious Office macro code and use the Metasploit environment to attack a Windows 10 workstation. The exercise involves attacking a Windows 10 workstation using malicious code in a Word file. To do this, malicious code is created with msfvenom, the code is attached to a Word file, and Kali Linux is configured with Metaspoloit -Armitage listener. If the user opens a Word file containing malicious code, the listener wakes up, which can connect to the user's workstation and attack the workstation.

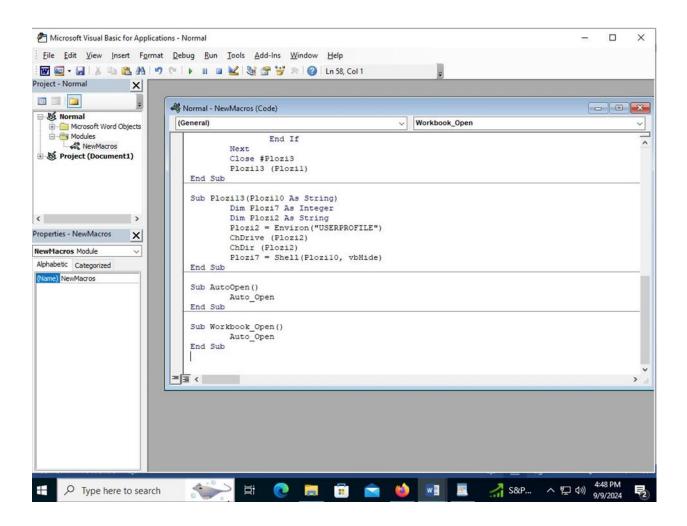
IP addresses assigned for these three machines are-

Kali Linux- 10.114.48.4

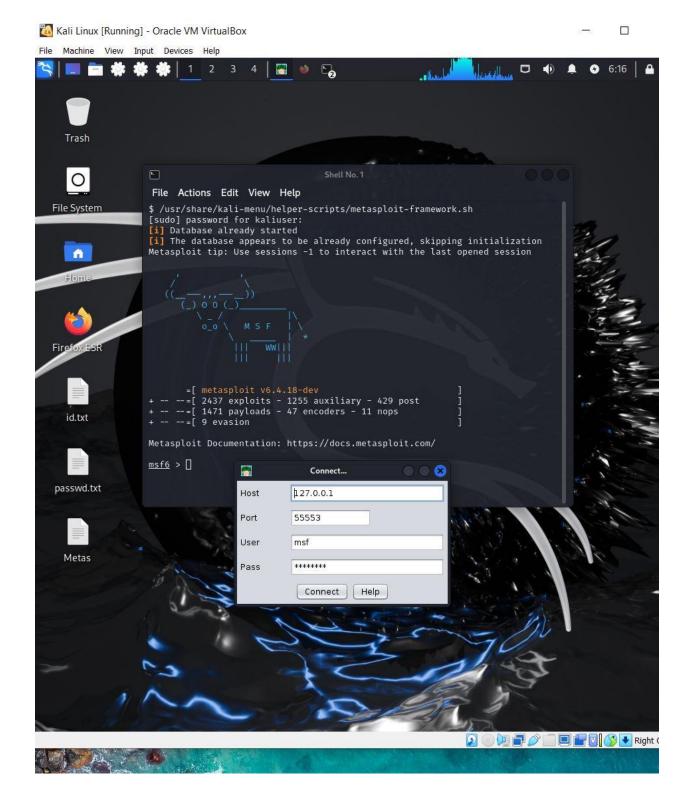
Windows 10- 10.114.48.5

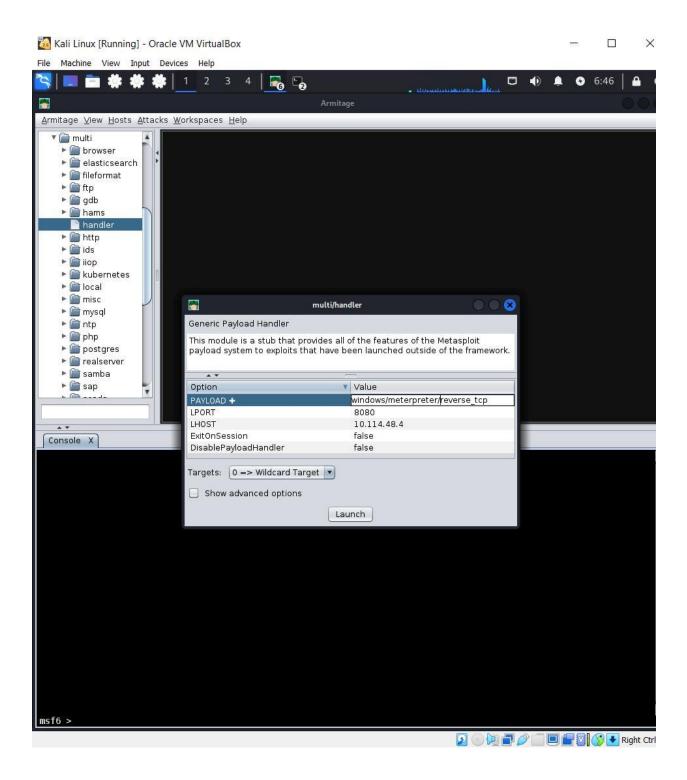
Procedure

- Microsoft office has been installed in windows 10 machine.
- Word on the Windows 10 desktop has been also be used to add malicious code to the file.
- In Kali Linux terminal malicious code has been created and moved to Windows 10 machine as a text file
- Afterwards, the malicious code has been pasted in Word file and saved as macroenabled format.

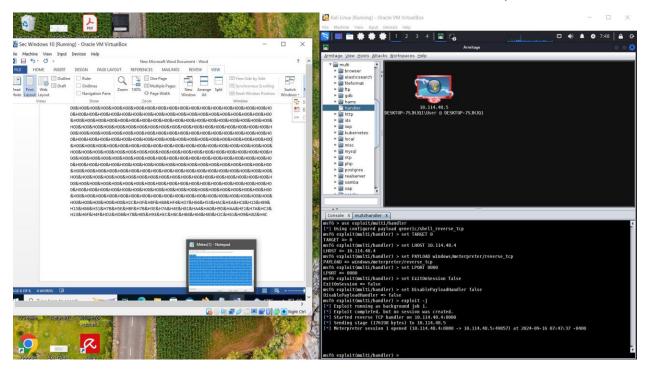


- In Kali Linux, Metasploit and Armitage have been launched.
- In Armitage console, listener has been configured to exploit windows 10 machine

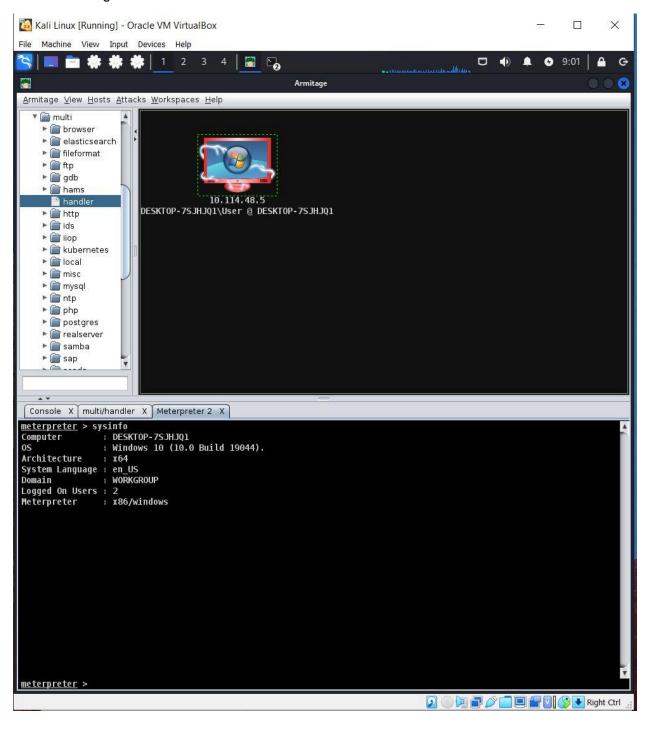




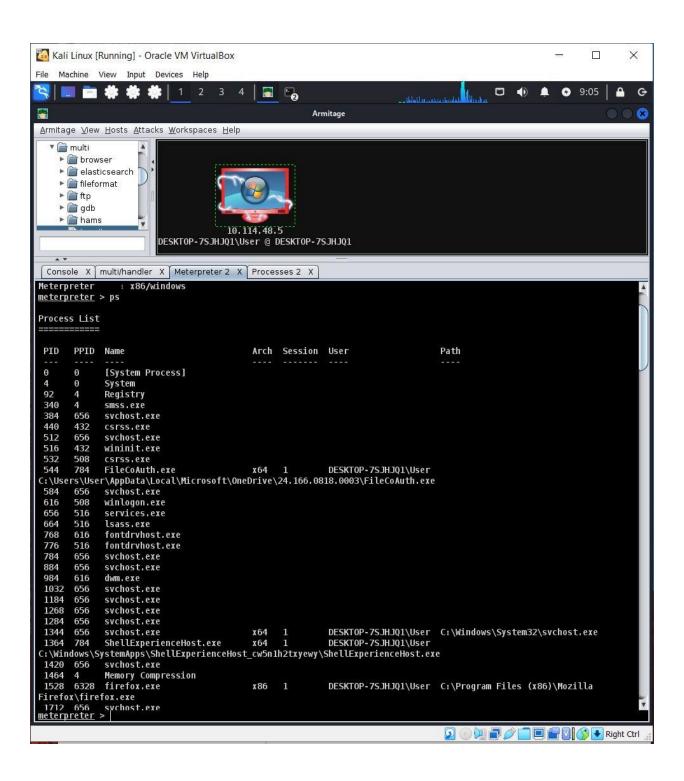
• In windows 10 machine the word file with malicious code has been opened.

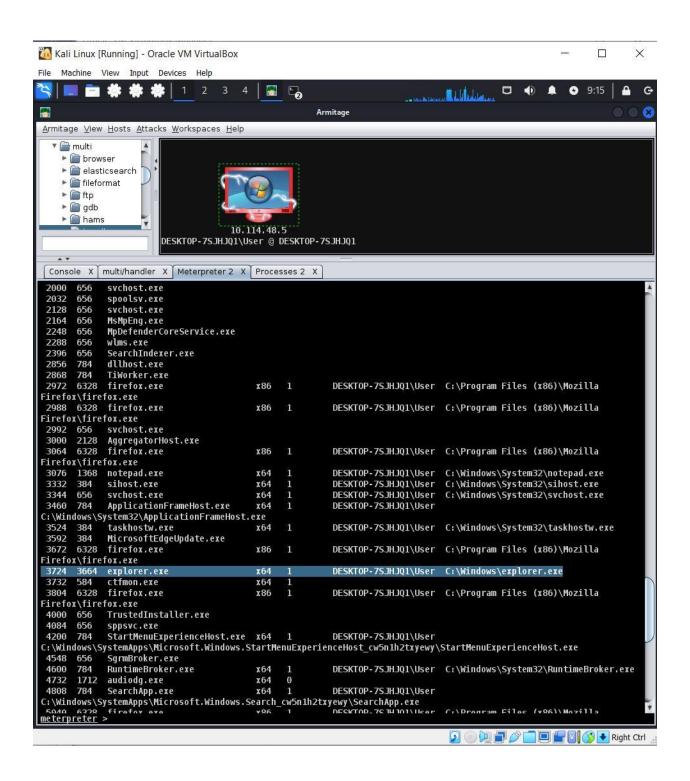


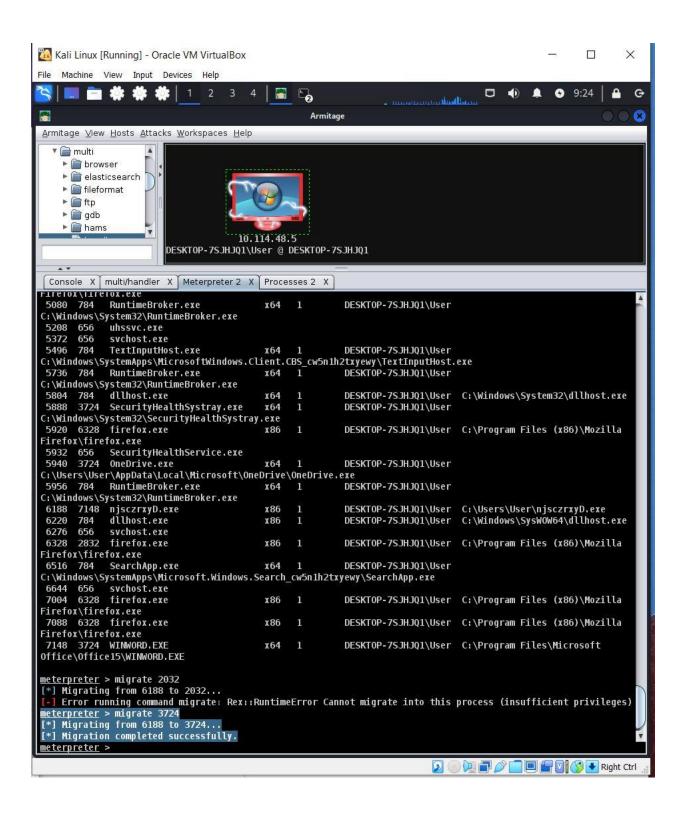
Armitage then succeeded to listen and establish connection with windows 10

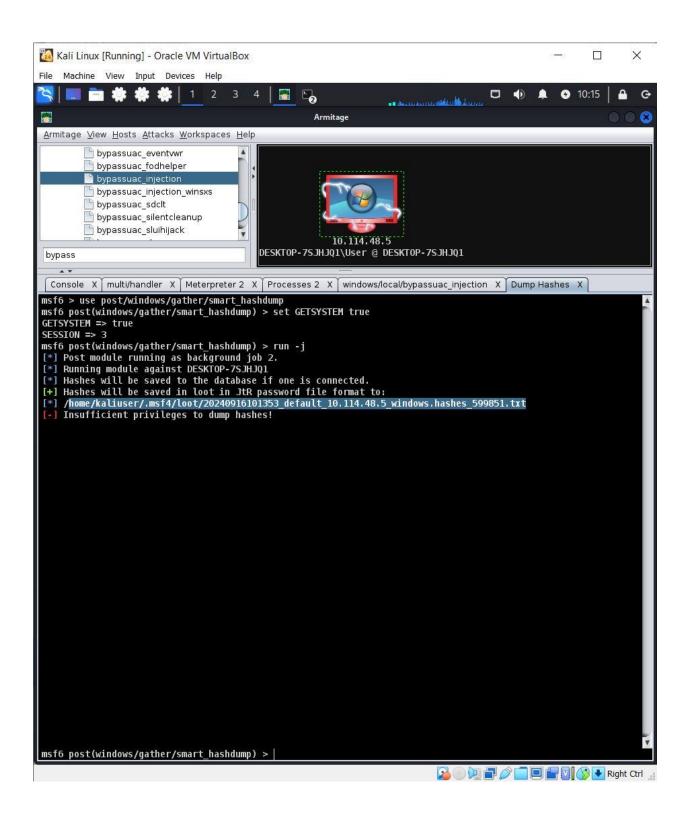


•	To exploit windows 10 follo	wing features of Metasploit/Ar	mitage have been explored.









Limitation

•	Some features of Armitage did not work as expected. For example, escalating pr	ivilege
	has not been successful even after multiple attempts	

