Malicious APK File Creation No. 6

Creating malicious apk using msfconsole in Kali Linux.

Using Metasploit, a malicious app is created using the following command.

```
Sections Edit View Help

### Actions Edit View Help

### A
```

Figure 1.1

After the malicious app is created, using kali linux to further modify the created file.

Below two linux commands that is use; the first one is the "mkdir" which is to create a new directory and the directory is named "Malicious_unzip". The next linux command shown in figure 1.2 below is the "unzip" and "-d" which is to unzipped the malware Android application package (apk) file and then store the unzipped file into the newly created directory "Malicious_unzip". We can also see in figure 1.2 above that when we list the directory, we can now see the newly created unzipped malware file "Malicious_unzip". Now we will go to the newly created unzipped directory to see the files inside that directory:

```
root@Mail AnomalgayathiOnistop

File Actions Edit View Help

__synatrie_Nall):-/Pokatep
__synatrie_Nall):-/Pokatep/Nallcious_unzip
__synatrie_Nall:-/Pokatep/Nallcious_unzip
__synatrie_Nall:-/Pokatep/Nallcious_unzip
__synatrie_Nall:-/Pokatep/Nallcious_unzip
__synatrie_Nall:-/Pokatep/Nallcious_unzip
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__synatrie_Na
```

Figure 1.2

Apk tool installation

if the developer is running the apk command for first time in kali linux, then we need to run few commands which are shown in Figure 1.3 & Figure 1.4.

Figure 1.3

Figure 1.4

For embedding secret code in the file.

```
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**R
```

Figure 1.5

Figure 1.6

Secret code that embedded is "gakera".

Jar signer

From the malicious apk file from kali, using Santoku ,signing an apk file using the commands keytool and jarsigner.

```
payathridapayathri-VirtualBox:/media/of AkkAs keytool .genkey v. .keystore my-rel
ease-key, keystore -allas an -keysig RSA -keysize 2648 -validity 10000

inter Keystore passacrost
make?

[Unknom]: cayathri pathineni
mid its the mase of your organizational unit?

[Unknom]: cayathri pothineni
mid its the mase of your organizational

[Unknom]: sis
mid of your organizational

[Unknom]: sis
mid of your state or Province?

[Unknom]: sis
mid of your state or Province?

[Unknom]: sis
mid of your state or Province?

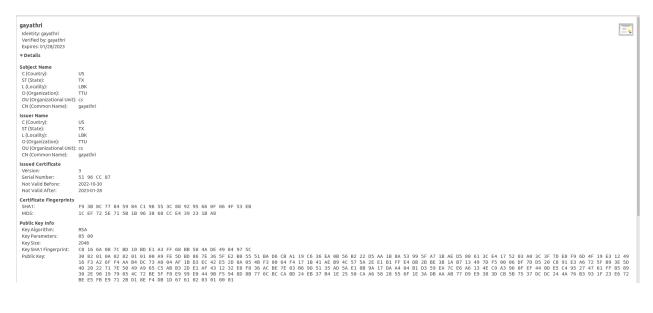
[Unknom]: sis
cheapyathri pothineni, Ourse, Outto, Lelbk, STmus, Crusa correct?

[Unknom]: sis
cheapyathri pothineni, Ourse, Outto, Lelbk, STmus, Crusa correct?

[Ind]: yes

[Enter key passacrof or -ans
enter key pass
```

Generated certification



The certificate is generated for the "Malicious.apk" created