# RAO ALI NAWAZ FA22A-222666 DIGITAL FORENSICS LAB TASK 8

### Androgoat Apk

```
→ MyTest git:(master) ls
AndroGoat.apk AndroGoatInvoice.txt AndroGoat_without_network_secutity_config.apk
→ MyTest git:(master) ls -l AndroGoat.apk
-rw-r--r-- 1 ran ran 2765026 May 15 05:03 AndroGoat.apk
→ MyTest git:(master)
```

### Using apktool to extract files

```
r) apktool d AndroGoat.apk
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
I: Using Apktool 2.7.0-dirty on AndroGoat.apk
I: Loading resource table...
I: Decoding AndroidManifest.xml with resources...
I: Loading resource table from file: /home/ran/.local/share/apktool/framework/1.apk
I: Regular manifest package...
I: Decoding file-resources...
I: Decoding values */* XMLs ...
I: Baksmaling classes.dex ...
I: Copying assets and libs...
I: Copying unknown files ...
I: Copying original files ...
total 5304
drwxr-xr-x 4 ran ran 4096 May 15 05:04 .
drwxr-xr-x 3 ran ran 4096 May 15 05:02 ..
drwxr-xr-x 7 ran ran 4096 May 15 05:05 AndroGoat
-rw-r--r-- 1 ran ran 2765026 May 15 05:03 AndroGoat.apk
-rw-r--r-- 1 ran ran 72 May 15 05:03 AndroGoatInvoice.txt
-rw-r--r-- 1 ran ran 2636197 May 15 05:03 AndroGoat_without_network_secutity_config.apk
→ AndroGoat git:(master) X cd AndroGoat
AndroidManife
drwxr-xr-x 8 ran ran 4096 May 15 05:03 .git
AndroidManifest.xml apktool.yml kotlin original res smali unknown
→ AndroGoat git:(ma
                            er) X
```

AndroidManifest.xml

```
File View November Tools Help

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```

### Debuggable

```
on="@mipmap/ic_launcher" android:debuggable="true" android:allowBackup="true" android:supportsRtl="true" androi
```

## Network security

## **Main Activity**

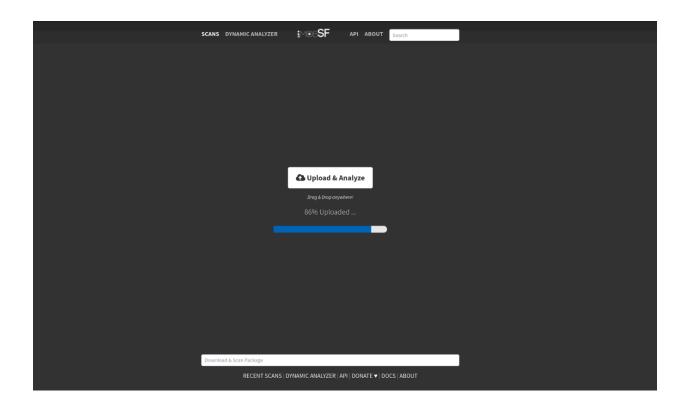
```
package toways.st.epust;

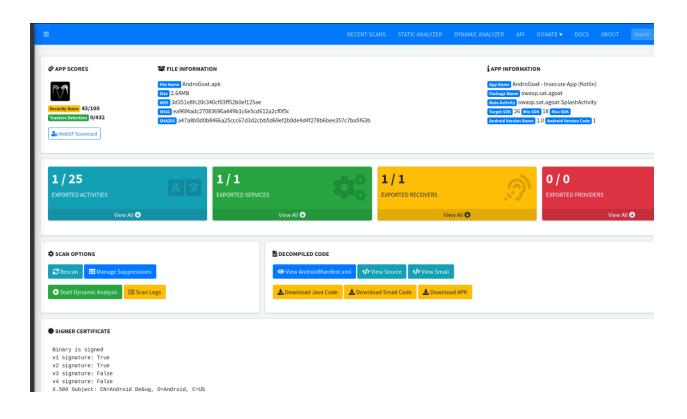
package toways.st.epust;

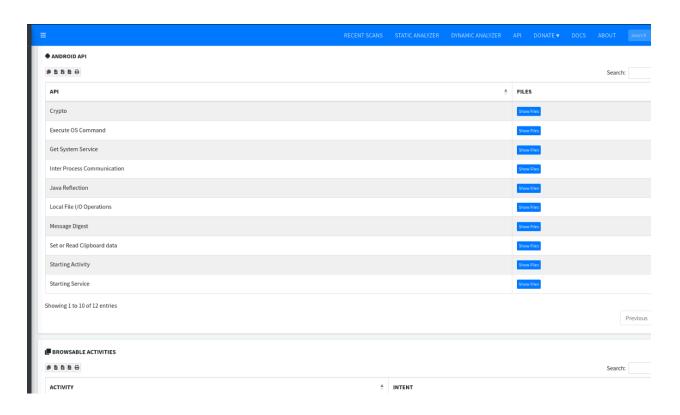
package toways.st.epust;

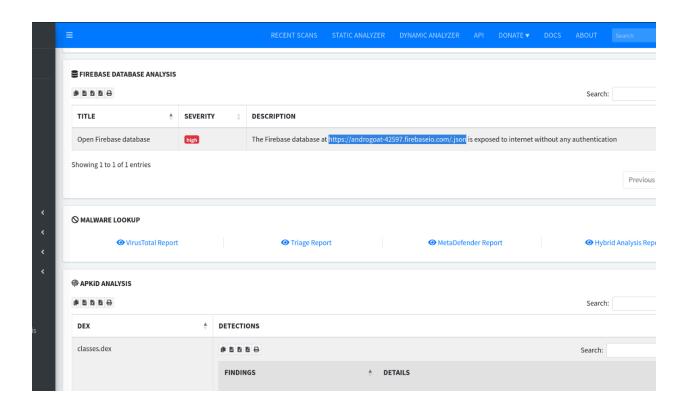
import android.context.intent;
import android.context.intention
import location.intention
import location
impor
```

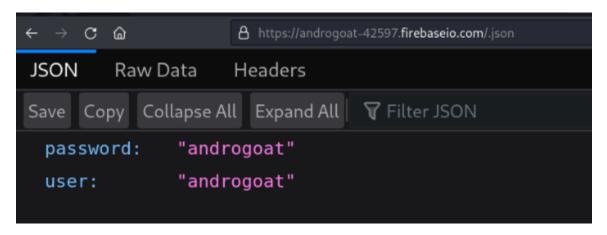
### Lets upload it to mobsf



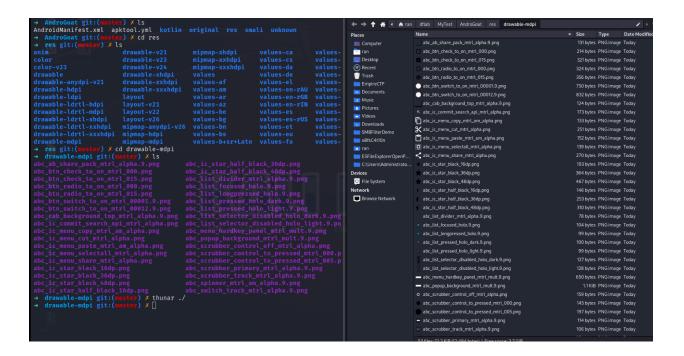








Res folder



## **Security Stuff**

There is bypass for root detection functionality using frida and also we can patch the apk by changing the smali

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```