

Notes written in notepad based on all meetings (some notes missing):

Find permission types and list them

Also database, providers find them/highlight it

File signatures

Write the providers and android exported

Also for service android exported and activity android exported Create own database that says this is a dangerous signature/permission

Activities true and false

Python script to filter information from excel csv file maybe with macro??

What is the api what is the file signature

Id different sdk api has different permissions etc have a look e.g if the app is older does it have more permission or less

Yes there are other tools but they don't give u activities as such along with their exported status, Manifest file analyses Maybe analysts google hangouts

How can I validate the data: using the android dev to validate dangerous or normal permissions or virustotal

Pull the APK from emulator using adb manual process (I've done it)

Make sure to migrate this document to final year report template

Mob sf tool research

Discuss APKtool different way of analyzing how the tools can be used

Who will use the tool and why?

Automation process like how its working right now

After pulling APK automate the process

Have a look online to see if u could use python to automate collection and analysis search mobsf alternatives (optional for now)

<https://github.com/Saket-Upadhyay/Android-Permission-Extraction-and-Dataset-Creation-with-Python/blob/master/ExtractorAIO.py>

Android-Permission-Extraction-and-Dataset-Creation-with-Python/ExtractorAIO.py at master · Saket-Upadhyay/Android-Permission-Extraction-and-Dataset-Creation-with-Python

One script to create a permission-based dataset of android applications for your next ML Malware Detection gizmo. - Saket-Upadhyay/Android-Permission-Extraction-and-Dataset-Creation-with-Python

<https://github.com/andpalmier/apkingo>

Use JADX CLI for automation process

Collect permissions and activities.

Ghidra integration, set it up and write about it.

Complete draft report and submit

Use jadx gui for automation

Set up ghidra and test APK

Access csv ??

Export information as a csv file

Macros in excel sheet to analyze the data <https://www.domo.com/learn/article/how-bi-tools-take-the-headache-out-of-excel-macro#:~:text=Macros%20can%20be%20used%20to,results%20to%20a%20new%20sheet.>

Write a macro to analyze the data.

Python to extract permission of the csv file. Jadx will provide csv file.

Create a csv file. Manual export of csv file which can be obtained via JADX GUI and display all of the apk.

The aim is to automate this process within python with current functionality.

have like a graph visualization using pandas about the total number of permissions e.g. normal or dangerous

deeper analysis and interface

if you cant do gui, maybe just show results on a web interface. (dont like this so just stick to normal gui)

have a look on more information u can provide through analysis

how to connect it to show more of the dangerous permissions and normal. It has to be updated all the time. in the dangerous permission show all the permissions along with the dangerous permissions