

Datastructures for SmaliExploiter.java

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To run the program correctly, we expect to receive as args parameter a path to the directory with apk-files.

All data will be saved in the classes, as described below:

Datastructure : File : apk
for ApkFiles ParseManifest: manifest
SmaliData: smali

Datastructure: HashMap<String, SmaliFile>
for Smali-Classes

↑
saves Name of the
.smali-File

↑
Instance of SmaliFile - Class
- saves Content (String)
and Path (Path)
of the .smali-File

Datastructure for
ParseManifest

String: packageName
String[]: classes
List<String>: permissions
Integer: android Version Code
String: android Version Name
Integer: minSdk Version
Integer: compileSdk Version
List<String>: activitiesOnly
List<String>: libraries
List<String>: broadcastsOnly
Path: pathToSmali

HashMap<String, Intents> : Activities

↑
Name of the Activity

↑
Instance of Intents - Class
for

- action (List<String>)
- category (List<String>)
- data (List<String>)

HashMap<String, Intents> Broadcast

↑
name of Broadcast

↑
Instance of Intents - Class
for:

- action (List<String>)
- category (List<String>)
- data (List<String>)