ADHRIT

Android Security Toolkit

What is ADHRIT?

Overview

An open source Android reversing and analysis toolkit

Roadmap

A long term initiative to define a one-stop for everything Android security

Target

Pentesters, beginners, CTF'ers and bounty freaks

Accessibility

Automated setup.
Light-weight.
Tailorable

Motivation

1. Build a beginner-friendly solution
2. Device an effective analysis process
3. Automate redundant tasks in the process

ADHRIT

4. Freedom to render intermediate results
5. Modularized approach. Easy tailoring
6. Compact, structured and self-explanatory code.

Specifications

Environment

Supports Linux and
OSX operating systems

Type

Command-line based.
python 3,
Java and Shell

License

Published under Open
Source General Public
License v3

Prime Features

Flexibility

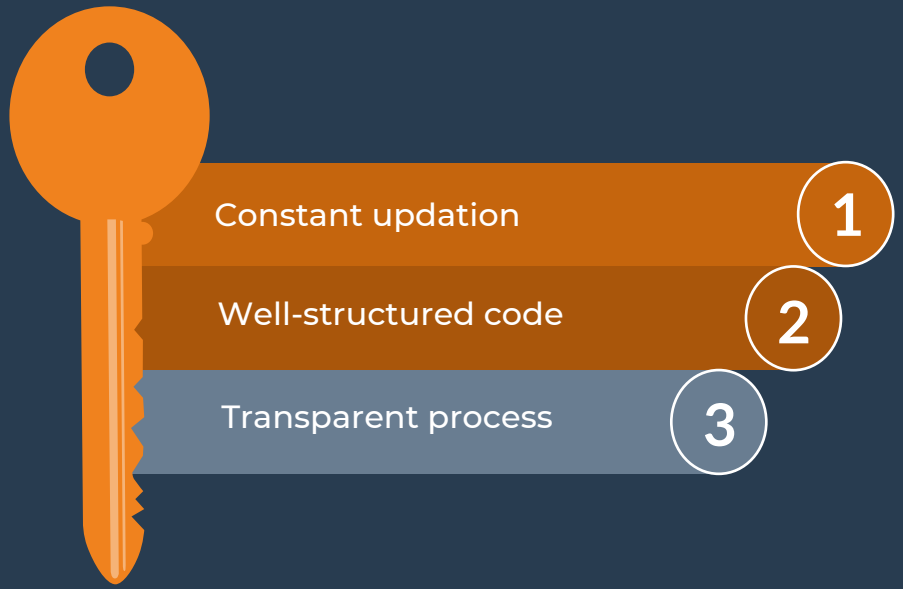
The user decides what to extract from an input APK file. Can be run both in manual and fully-automated modes

Modularity

The project is modularized which allows seamless integration of your own tailored scripts into Adhrit.

Compactness

Light-weighted, even when features are growing. All the necessities are shipped with the tool.



Functions

1. Source extraction in Java and smali, with Enjarify integrated into the project.
2. Search for probable bytecode injection points
3. Scan for URLs and strings
4. Analyze manifest for critical permissions, exported activities and generate ADB payload

Testimonials

"This is one of the best tools that I have come across. For a beginner like me, it was of great help while solving CTF challenges. This tool saved me a lot of time since it had all the essential tools integrated into it."

Rahul Sani

Android Security Enthusiast

" I have been a user of this tool since it's development by Abhishek from scratch. Even for my pentest, CTF I have been using this tool. Nobody wants to spend time on reversing apk, finding issues using many different tools. Adhrit saves me time."

Heeraj Nair

Co-Founder, BrewSec

"It's a simple and powerful tool out there which helps to reverse engineer APK files and recompile them back this will mainly benefit for the pentesters out there start ripping down an APK. I thank the developer Abhishek J.M for creating such a remarkable tool."

Amrudesh Balakrishnan

Android Developer

Roadmap

1. Dynamic analysis to understand the behaviour of the application and acquire it's residuals from the device.
2. Generate reports for automated scans
3. Disassemble and recon native libraries that come in Android applications
4. Automated instrumentation and hooking using frameworks like Frida and Xposed

Queries?

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