MobSF Tool

Aakash R

Installing Mobsf Tool in Kali Linux VM

CB.SC.P2CYS23011

git clone https://github.com/MobSF/Mobile-Security-Framework-MobSF.git

```
sgit clone https://github.com/MobSF/Mobile-Security-Framework-MobSF.git Cloning into 'Mobile-Security-Framework-MobSF'... remote: Enumerating objects: 20756, done. remote: Counting objects: 100% (281/281), done. remote: Compressing objects: 100% (187/187), done. Receiving objects: 11% (2307/20756), 14.40 MiB | 1.13 MiB/s
```

Setting Up MobSF Tool

```
-(kali⊛kali)-[~/Downloads]
 -$ cd Mobile-Security-Framework-MobSF-master
 —(kali⊛kali)-[~/Downloads/Mobile-Security-Framework-MobSF-master]
                              poetry.lock
docker-compose.yml LICENSES
                                              run.bat
                                                       setup.bat
Dockerfile
                              pyproject.toml
                                              run.sh
                                                       setup.sh
                   manage.py
LICENSE
                              README.md
                                              scripts
                                                       tox.ini
                   mobsf
```

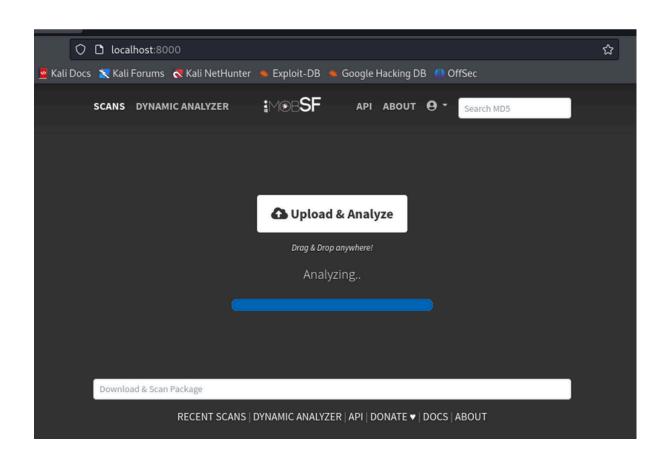
```
[sudo] password for kali:
[INSTALL] Found Python 3.11.9
pip 24.0 from /usr/lib/python3/dist-packages/pip (python 3.11)
[INSTALL] Found pip
Requirement already satisfied: pip in /usr/lib/python3/dist-packages (24.0)
WARNING: Running pip as the 'root' user can result in broken permissions and conflictour with the system package manager. It is recommended to use a virtual environment tps://pip.pypa.io/warnings/venv
[INSTALL] Installing Requirements
Requirement already satisfied: wheel in /usr/lib/python3/dist-packages (0.42.0)
Collecting poetry=1.6.1
Downloading poetry-1.6.1-py3-none-any.whl.metadata (6.8 kB)
Collecting build<0.11.0, ≥ 0.10.0 (from poetry=1.6.1)
Downloading build-0.10.0-py3-none-any.whl.metadata (4.1 kB)
</pre>
```

```
(kali@ kali)-[~/Downloads/Mobile-Security-Framework-MobSF-master]
$ . ./venv/bin/activate

(venv)-(kali@ kali)-[~/Downloads/Mobile-Security-Framework-MobSF-master]
$ bash run.sh
[2024-06-03 06:05:19 -0400] [3323] [INFO] Starting gunicorn 22.0.0
[2024-06-03 06:05:19 -0400] [3323] [INFO] Listening at: http://[::]:8000 (3323)
[2024-06-03 06:05:19 -0400] [3323] [INFO] Using worker: gthread
[2024-06-03 06:05:19 -0400] [3374] [INFO] Booting worker with pid: 3374
```

Sign in to access

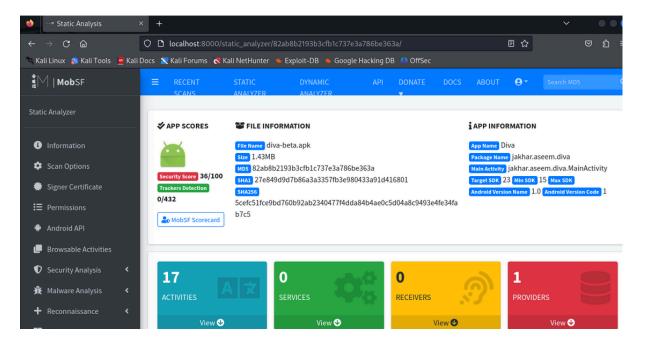




```
[INFO] 03/Jun/2024 10:06:52 - Author: Ajin Abraham | opensecurity.in
[INFO] 03/Jun/2024 10:06:52 - Mobile Security Framework v4.0.3
REST API Key: bdb9923c8be542799c4a18beaf8032aa86c1709fdb7eb55685f1f5d49e64dc8e
Default Credentials: mobsf/mobsf
[INFO] 03/Jun/2024 10:06:52 - OS Environment: Linux (kali 2024.1 kali-rolling) Linux-6.6.9-amd6
4-x86_64-with-glibc2.37
[INFO] 03/Jun/2024 10:06:52 - MobSF Basic Environment Check
[WARNING] 03/Jun/2024 10:06:52 - Dynamic Analysis related functions will not work.
Make sure a Genymotion Android VM/Android Studio Emulator is running before performing Dynamic
```

Static Analysis:

Code Analysis: Scans the application's code for security vulnerabilities, including insecure API usage, hardcoded secrets, and configuration issues.

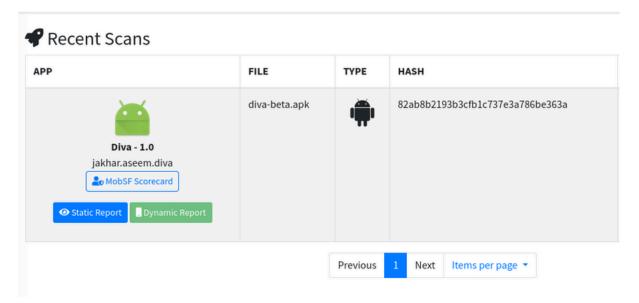


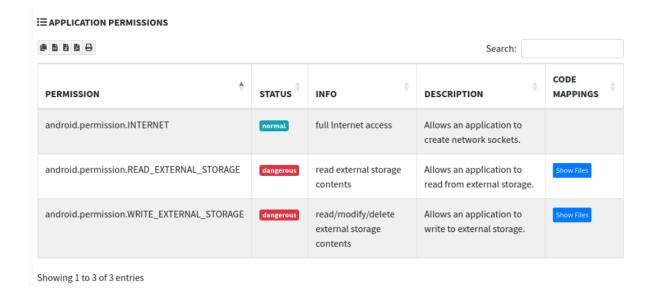
List of Activities:

ME ACTIVITIES

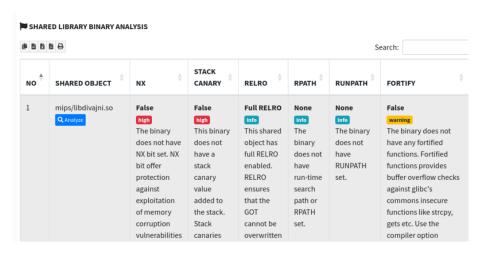
▼ Showing all 17 activities jakhar.aseem.diva.MainActivity jakhar.aseem.diva.LogActivity jakhar.aseem.diva.HardcodeActivity jakhar.aseem.diva.InsecureDataStorage1Activity jakhar.aseem.diva.InsecureDataStorage2Activity jakhar.aseem.diva.InsecureDataStorage3Activity jakhar.aseem.diva.InsecureDataStorage4Activity jakhar.aseem.diva.SQLInjectionActivity jakhar.aseem.diva.InputValidation2URISchemeActivity jakhar.aseem.diva.AccessControl1Activity jakhar.aseem.diva.APICredsActivity jakhar.aseem.diva.AccessControl2Activity jakhar.aseem.diva.APICreds2Activity jakhar.aseem.diva.AccessControl3Activity jakhar.aseem.diva.Hardcode2Activity jakhar.aseem.diva.AccessControl3NotesActivity jakhar.aseem.diva.InputValidation3Activity

Recent Scans

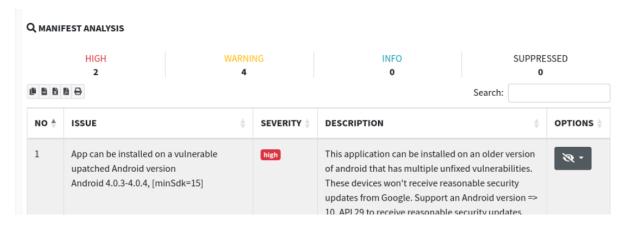




Binary Analysis: Decompiles and disassembles the application binary to identify potential security issues in the compiled code.



Manifest Analysis (Android): Analyzes the Android manifest file for permissions, activities, services, and other components to identify potential security misconfigurations.



Overall Analysis:

