

ANDROID STATIC ANALYSIS REPORT



encryptor (1.0)

File Name:	encryptor.apk
Package Name:	com.example.encryptor
Scan Date:	Sept. 6, 2024, 7:54 p.m.
App Security Score:	55/100 (MEDIUM RISK)
Grade:	

FINDINGS SEVERITY

派 HIGH	▲ MEDIUM	i INFO	✓ SECURE	® HOTSPOT
1	2	0	1	0

FILE INFORMATION

File Name: encryptor.apk

Size: 4.39MB

MD5: 83c7d4def6410f6c1b5f1ad38442d51d

SHA1: b4287322161712ff5491b1a677ea5348153df3fa

SHA256: e6ddbbfd133851f355c7ead12cea9f98c2aa20eb21ec865b1cae3926fcb6efb9

i APP INFORMATION

App Name: encryptor

Package Name: com.example.encryptor

Main Activity: com.example.encryptor.MainActivity

Target SDK: 34 Min SDK: 24 Max SDK:

Android Version Name: 1.0 Android Version Code: 1



Activities: 1 Services: 0 Receivers: 1 Providers: 1

Exported Activities: O Exported Services: O Exported Receivers: 1 Exported Providers: O

***** CERTIFICATE INFORMATION

Binary is signed v1 signature: False v2 signature: True v3 signature: False v4 signature: False

X.509 Subject: CN=encryptor, OU=encryptor, O=encryptor, L=encryptor, ST=encryptor, C=encryptor

Signature Algorithm: rsassa_pkcs1v15 Valid From: 2024-08-16 11:05:34+00:00 Valid To: 2049-08-10 11:05:34+00:00

Issuer: CN=encryptor, OU=encryptor, O=encryptor, L=encryptor, ST=encryptor, C=encryptor

Serial Number: 0x1 Hash Algorithm: sha256

md5: 61f573be300ea6798f0764e6da7edd5b

sha1: 7bef27d68d52cba52643f3096b8af1ac5d3efc3d

sha256: e6299475c71452b0014540c771aa562c1c20504b0b6bc9330b4f3cd2d1d6a739

sha512: fd12ef2d61d2a6c609235a2439109fd71eeca09bfa8c23ec671dbc79286932cd5e82c5a66e49414de89f0d5bd322fb69607239ce775b1ca328fd700027c7018e

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: b313f255c49e03d7696fad88d856b5fc74d51152ae77b99f026940870e5fe3ad

Found 1 unique certificates

E APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION

ক্ল APKID ANALYSIS

FILE	DETAILS	
	FINDINGS	DETAILS
classes.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check
	Compiler	r8 without marker (suspicious)

△ NETWORK SECURITY

	NO	SCOPE	SEVERITY	DESCRIPTION
--	----	-------	----------	-------------

CERTIFICATE ANALYSIS

HIGH: 0 | WARNING: 0 | INFO: 1

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate

Q MANIFEST ANALYSIS

HIGH: 1 | WARNING: 2 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable upatched Android version Android 7.0, [minSdk=24]	high	This application can be installed on an older version of android that has multiple unfixed vulnerabilities. These devices won't receive reasonable security updates from Google. Support an Android version => 10, API 29 to receive reasonable security updates.
2	Application Data can be Backed up [android:allowBackup=true]	warning	This flag allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device.
3	Broadcast Receiver (androidx.profileinstaller.ProfileInstallReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.DUMP [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

</> CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES
----	-------	----------	-----------	-------

■ NIAP ANALYSIS v1.3

NO IDENTIFIER REQUIREMENT	FEATURE DESCRIPTION	
---------------------------	---------------------	--

***: ::** ABUSED PERMISSIONS

ТҮРЕ	MATCHES	PERMISSIONS
Malware Permissions	0/24	
Other Common Permissions	0/45	

Malware Permissions:

Top permissions that are widely abused by known malware.

Other Common Permissions:

Permissions that are commonly abused by known malware.

⋮ SCAN LOGS

Timestamp	Event	Error
2024-09-06 20:06:33	Generating Hashes	ОК
2024-09-06 20:06:33	Extracting APK	ОК
2024-09-06 20:06:33	Unzipping	ОК
2024-09-06 20:06:34	Getting Hardcoded Certificates/Keystores	ОК

2024-09-06 20:06:53	Parsing AndroidManifest.xml	ОК
2024-09-06 20:06:53	Parsing APK with androguard	ОК
2024-09-06 20:06:55	Extracting Manifest Data	ОК
2024-09-06 20:06:55	Performing Static Analysis on: encryptor (com.example.encryptor)	ОК
2024-09-06 20:06:55	Fetching Details from Play Store: com.example.encryptor	ОК
2024-09-06 20:06:56	Manifest Analysis Started	ОК
2024-09-06 20:06:56	Checking for Malware Permissions	ОК
2024-09-06 20:06:56	Fetching icon path	ОК
2024-09-06 20:06:56	Library Binary Analysis Started	ОК
2024-09-06 20:06:56	Reading Code Signing Certificate	ОК
2024-09-06 20:06:57	Running APKiD 2.1.5	ОК
	Detecting Trackers	ОК

2024-09-06 20:07:06		
2024-09-06 20:07:09	Decompiling APK to Java with jadx	ОК
2024-09-06 20:09:09	Converting DEX to Smali	ОК
2024-09-06 20:09:09	Code Analysis Started on - java_source	ОК
2024-09-06 20:13:13	Android SAST Completed	ОК
2024-09-06 20:13:13	Android API Analysis Started	ОК
2024-09-06 20:17:08	Android Permission Mapping Started	ОК
2024-09-06 20:17:09	libsast scan failed	AttributeError("'NoneType' object has no attribute 'values'")
2024-09-06 20:17:09	Android Permission Mapping Completed	ОК
2024-09-06 20:17:09	Finished Code Analysis, Email and URL Extraction	ОК
2024-09-06 20:17:09	Extracting String data from APK	ОК
2024-09-06 20:17:09	Extracting String data from Code	ОК

2024-09-06 20:17:09	Extracting String values and entropies from Code	ОК
2024-09-06 20:17:13	Performing Malware check on extracted domains	ОК
2024-09-06 20:17:13	Saving to Database	ОК

Report Generated by - MobSF v4.0.7

Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.

© 2024 Mobile Security Framework - MobSF | Ajin Abraham | OpenSecurity.