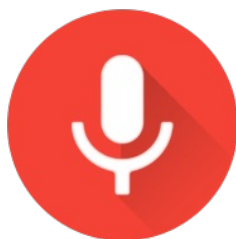




ANDROID STATIC ANALYSIS REPORT



 Sound Recorder (1.3.0)

File Name:	soundrecorder.apk
Package Name:	com.danielkim.soundrecorder
Average CVSS Score:	6.3
App Security Score:	70/100 (MEDIUM RISK)

FILE INFORMATION

File Name: soundrecorder.apk
Size: 1.18MB
MD5: af38df05d596315cf85d3de43cd35b05
SHA1: 1cee0b1e0a8bed0a0991d36f3ad967d16f7727ad
SHA256: 95c502f129ac0be510f4c93fbdeb2b3c5161a49542993235390bfec36d7c6303

APP INFORMATION

App Name: Sound Recorder
Package Name: com.danielkim.soundrecorder
Main Activity: com.danielkim.soundrecorder.activities.MainActivity
Target SDK: 21
Min SDK: 16
Max SDK:
Android Version Name: 1.3.0
Android Version Code: 130

APP COMPONENTS

Activities: 3
Services: 1
Receivers: 0
Providers: 1
Exported Activities: 0
Exported Services: 0
Exported Receivers: 0
Exported Providers: 0

CERTIFICATE INFORMATION

APK is signed
v1 signature: True
v2 signature: False
v3 signature: False
Found 1 unique certificates
Subject: C=UK, ST=ORG, L=ORG, O=fdroid.org, OU=FDroid, CN=FDroid
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2015-02-11 08:31:22+00:00
Valid To: 2042-06-29 08:31:22+00:00
Issuer: C=UK, ST=ORG, L=ORG, O=fdroid.org, OU=FDroid, CN=FDroid
Serial Number: 0x1847f5b7
Hash Algorithm: sha256
md5: 45639022768e560bdc9aa8648ec31df3
sha1: 40460a8bf620e298a9bb61501204f6b40e102824
sha256: 10f8b44ba7829e2494c772735ac20ddd638087829cedbc1b81ea578cc4283fc
sha512:
02da567ce3f58fb2ded6d92bdb613fe1a8facee61af4e8a1a3949d682dced03f55a7467a3542ce5361dadaaac310aed905314f75b85be600078e1bf0892a79bc

Certificate Status: **Good**
Description: Certificate looks good.

APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.RECORD_AUDIO	dangerous	record audio	Allows application to access the audio record path.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete SD card contents	Allows an application to write to the SD card.

APKID ANALYSIS

FILE	DETAILS	
classes.dex	FINDINGS	DETAILS
	Compiler	dx (possible dexmerge)
	Manipulator Found	dexmerge

MANIFEST ANALYSIS

ISSUE	SEVERITY	DESCRIPTION
Application Data can be Backed up [android:allowBackup=true]	medium	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.

CODE ANALYSIS

ISSUE	SEVERITY	STANDARDS	FILES
App uses SQLite Database and execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and written to the database.	high	CVSS V2: 5.9 (medium) CWE: CWE-89 - Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	com/danielkim/soundrecorder/DB Helper.java
		CVSS V2: 7.5 (high)	com/danielkim/soundrecorder/RecordingService.java com/danielkim/soundrecorder/adapters/FileViewerAdapter.java

The App logs information. Sensitive information should never be logged.	info	CWE: CWE-532 - Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3	com/danielkim/soundrecorder/fragments/FileViewerFragment.java com/danielkim/soundrecorder/fragments/PlaybackFragment.java com/nineoldandroids/animation/PropertyValuesHolder.java
App can read/write to External Storage. Any App can read data written to External Storage.	high	CVSS V2: 5.5 (medium) CWE: CWE-276 - Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/danielkim/soundrecorder/RecordingService.java com/danielkim/soundrecorder/adapters/FileViewerAdapter.java com/danielkim/soundrecorder/fragments/FileViewerFragment.java com/danielkim/soundrecorder/fragments/RecordFragment.java

DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
www.apache.org	good	IP: 95.216.24.32 Country: Finland Region: Uusimaa City: Helsinki Latitude: 60.169521 Longitude: 24.93545 View: Google Map
github.com	good	IP: 13.234.210.38 Country: India Region: Maharashtra City: Mumbai Latitude: 19.01441 Longitude: 72.847939 View: Google Map

URLS

URL	FILE
http://www.apache.org/licenses/LICENSE-2.0 https://github.com/makovkastar/FloatingActionButton	Android String Resource

App Security Score Calculation

Every app is given an ideal score of 100 to begin with.
 For every findings with severity **high** we reduce 15 from the score.
 For every findings with severity **warning** we reduce 10 from the score.
 For every findings with severity **good** we add 5 to the score.
 If the calculated score is greater than 100, then the app security score is considered as 100.
 And if the calculated score is less than 0, then the app security score is considered as 10.

Risk Calculation

APP SECURITY SCORE	RISK
0 - 15	CRITICAL
16 - 40	HIGH
41 - 70	MEDIUM
71 - 100	LOW

Report Generated by - MobSF v3.0.9 Beta

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.

© 2020 Mobile Security Framework - MobSF | [Ajin Abraham](#) | [OpenSecurity](#).