



ANDROID STATIC ANALYSIS REPORT



 Wi-Fi Privacy Police (2.2.2)

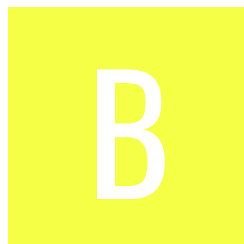
File Name: installer102.apk

Package Name: be.uhasselt.privacypolice






Scan Date: May 31, 2022, 10:47 a.m.

App Security Score: 56/100 (MEDIUM RISK)

Grade:



FINDINGS SEVERITY

 HIGH	 MEDIUM	 INFO	 SECURE	 HOTSPOT
1	1	1	1	1

FILE INFORMATION

File Name: installer102.apk

Size: 0.13MB

MD5: ebe5581d4bdce954019acd31bd794bd1

SHA1: 09c630e642850244dcb91bbff7d52d497e6f750e

SHA256: 1b6a98f024f4f64ebbf26c12766e150ab07317e04719f5eab2f21ffe8f11c626

APP INFORMATION

App Name: Wi-Fi Privacy Police

Package Name: be.uhasselt.privacypolice

Main Activity: be.uhasselt.privacypolice.PreferencesActivity

Target SDK: 22

Min SDK: 14

Max SDK:

Android Version Name: 2.2.2

Android Version Code: 11

APP COMPONENTS

Activities: 5

Services: 0

Receivers: 4

Providers: 0

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: 2015-02-17 08:33:00+00:00

Valid To: 2042-07-05 08:33:00+00:00

Issuer: C=UK, ST=ORG, L=ORG, O=fdroid.org, OU=FDroid, CN=FDroid

Serial Number: 0x2f0ea9a3

Hash Algorithm: sha256

md5: a62ba7aab8580012747df5de85386782

sha1: 82deb8a3c029bb07bd604b10e4d12b8afcc9583e

sha256: d13302a39fbac1269ccd4f0c50414c17f879abae57603ed09d698559cd5d933d

sha512: acc8e7b8bbcb8963b3c270644d1e0abde0629ef83b75bec11b7ec5ad4da0db3fdb5b19e788011e8d08aaa81946d725a890f70b95f5c2f9d72fc352fa5f692ec6f

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

TITLE	SEVERITY	DESCRIPTION
Application vulnerable to Janus Vulnerability	high	Application is signed with v1 signature scheme, making it vulnerable to Janus vulnerability on Android 5.0-8.0, if signed only with v1 signature scheme. Applications running on Android 5.0-7.0 signed with v1, and v2/v3 scheme is also vulnerable.

≡ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.ACCESS_WIFI_STATE	normal	view Wi-Fi status	Allows an application to view the information about the status of Wi-Fi.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.CHANGE_WIFI_STATE	normal	change Wi-Fi status	Allows an application to connect to and disconnect from Wi-Fi access points and to make changes to configured Wi-Fi networks.
android.permission.RECEIVE_BOOT_COMPLETED	normal	automatically start at boot	Allows an application to start itself as soon as the system has finished booting. This can make it take longer to start the phone and allow the application to slow down the overall phone by always running.
android.permission.ACCESS_COARSE_LOCATION	dangerous	coarse (network-based) location	Access coarse location sources, such as the mobile network database, to determine an approximate phone location, where available. Malicious applications can use this to determine approximately where you are.

FILE	DETAILS	
classes.dex	FINDINGS	DETAILS
	Compiler	dx

NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION
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MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION
1	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.

CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES
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NO	ISSUE	SEVERITY	STANDARDS	FILES
1	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	be/uhasselt/privacypolice/o.java be/uhasselt/privacypolice/SSIDManagerActivity.java be/uhasselt/privacypolice/h.java be/uhasselt/privacypolice/ScanResultsChecker.java be/uhasselt/privacypolice/WakeLockHandler.java be/uhasselt/privacypolice/l.java a/a/a/a/af.java be/uhasselt/privacypolice/PermissionChangeReceiver.java be/uhasselt/privacypolice/MACManagerActivity.java be/uhasselt/privacypolice/r.java be/uhasselt/privacypolice/s.java be/uhasselt/privacypolice/m.java be/uhasselt/privacypolice/k.java be/uhasselt/privacypolice/LocationAccess.java

NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
1	FCS_STO_EXT.1.1	Security Functional Requirements	Storage of Credentials	The application does not store any credentials to non-volatile memory.
2	FCS_CKM_EXT.1.1	Security Functional Requirements	Cryptographic Key Generation Services	The application generate no asymmetric cryptographic keys.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
3	FDP_DEC_EXT.1.1	Security Functional Requirements	Access to Platform Resources	The application has access to ['network connectivity', 'location'].
4	FDP_DEC_EXT.1.2	Security Functional Requirements	Access to Platform Resources	The application has access to no sensitive information repositories.
5	FDP_NET_EXT.1.1	Security Functional Requirements	Network Communications	The application has no network communications.
6	FDP_DAR_EXT.1.1	Security Functional Requirements	Encryption Of Sensitive Application Data	The application does not encrypt files in non-volatile memory.
7	FMT_MEC_EXT.1.1	Security Functional Requirements	Supported Configuration Mechanism	The application invoke the mechanisms recommended by the platform vendor for storing and setting configuration options.
8	FTP_DIT_EXT.1.1	Security Functional Requirements	Protection of Data in Transit	The application does not encrypt any data in traffic or does not transmit any data between itself and another trusted IT product.

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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.

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