

ANDROID STATIC ANALYSIS REPORT

app_icon

GPS (1.0)

npp-debug.apk
gpskill.gps
Oct. 24, 2024, 7:59 p.m.
36/100 (HIGH RISK)
C
)

FINDINGS SEVERITY

派 HIGH	▲ MEDIUM	i INFO	✓ SECURE	◎ HOTSPOT
3	2	0	1	1

FILE INFORMATION

File Name: app-debug.apk

Size: 6.18MB

MD5: 53e36efc77a29d1db735cd827c171cab

SHA1: 40a69b83d7be04861596a768b3451f5c88e887b8

SHA256: 7f5b1e6987816c69542158783ca1de7831ca9c8277674759c20c7a43dd22741a

i APP INFORMATION

App Name: GPS

Package Name: gpskill.gps

Main Activity: gpskill.gps.MainActivity

Target SDK: 34 Min SDK: 24 Max SDK:

Android Version Name: 1.0 **Android Version Code:** 1

B APP COMPONENTS

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

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

***** CERTIFICATE INFORMATION

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

X.509 Subject: CN=Android Debug, O=Android, C=US

Signature Algorithm: rsassa_pkcs1v15 Valid From: 2024-08-29 20:24:03+00:00 Valid To: 2054-08-22 20:24:03+00:00

Issuer: CN=Android Debug, O=Android, C=US

Serial Number: 0x1 Hash Algorithm: sha256

md5: 7bc90405f1aae86733193e9a0e590e99

sha1: 4c347a2cac305c8fb02a9acbb6c75669bb378dd6

sha256: a4058cac632cc28e66d09ca61bbed66abba3e676a7fea776ed9430f4e1c0228e

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: 968b935229868c130a529c925db8bb6ef5b1047f85b86fde79c3675e3ff8ba11

Found 1 unique certificates

⋮ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.ACCESS_FINE_LOCATION	dangerous	fine (GPS) location	Access fine location sources, such as the Global Positioning System on the phone, where available. Malicious applications can use this to determine where you are and may consume additional battery power.
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.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
gpskill.gps.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference

命 APKID ANALYSIS

FILE	DETAILS

FILE	DETAILS		
	FINDINGS DETAILS		
classes5.dex	Compiler	r8 without marker (sus	picious)
classes2.dex	FINDINGS		DETAILS
	Compiler		dx
classes4.dex	FINDINGS	DETAILS	
classes nack	Compiler r8 without marker (sus		picious)
classes3.dex	FINDINGS	DETAILS	
	Compiler r8 without marker (sus		picious)

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

△ NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION
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CERTIFICATE ANALYSIS

HIGH: 1 | WARNING: 0 | INFO: 1

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate
Application signed with debug certificate	high	Application signed with a debug certificate. Production application must not be shipped with a debug certificate.

Q MANIFEST ANALYSIS

HIGH: 2 | 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	Debug Enabled For App [android:debuggable=true]	high	Debugging was enabled on the app which makes it easier for reverse engineers to hook a debugger to it. This allows dumping a stack trace and accessing debugging helper classes.
3	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.
4	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]		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	
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■ NIAP ANALYSIS v1.3

NO IDENTIFIER REQUIREMENT FEATURE DESCRIPTION

***: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	4/24	android.permission.ACCESS_FINE_LOCATION, android.permission.ACCESS_COARSE_LOCATION, android.permission.ACCESS_NETWORK_STATE, android.permission.INTERNET
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
2024-10-24 20:05:11	Generating Hashes	ОК

2024-10-24 20:05:12	Extracting APK	ОК
2024-10-24 20:05:12	Unzipping	ОК
2024-10-24 20:05:13	Getting Hardcoded Certificates/Keystores	OK
2024-10-24 20:05:13	Parsing AndroidManifest.xml	OK
2024-10-24 20:05:13	Parsing APK with androguard	OK
2024-10-24 20:05:17	Extracting Manifest Data	OK
2024-10-24 20:05:17	Performing Static Analysis on: GPS (gpskill.gps)	OK
2024-10-24 20:05:17	Fetching Details from Play Store: gpskill.gps	OK
2024-10-24 20:05:17	Detecting Trackers	OK
2024-10-24 20:05:18	Manifest Analysis Started	OK

2024-10-24 20:05:18	Checking for Malware Permissions	ОК
2024-10-24 20:05:18	Fetching icon path	OK
2024-10-24 20:05:18	Library Binary Analysis Started	ОК
2024-10-24 20:05:19	Reading Code Signing Certificate	OK
2024-10-24 20:05:20	Detecting Trackers	ОК
2024-10-24 20:05:22	Running APKiD 2.1.5	OK
2024-10-24 20:05:35	Converting DEX to Smali	OK
2024-10-24 20:05:35	Code Analysis Started on - java_source	OK
2024-10-24 20:05:36	Detecting Trackers	OK
2024-10-24 20:05:39	Decompiling APK to Java with jadx	OK
2024-10-24 20:05:43	libsast scan failed	FileNotFoundError(2, 'No such file or directory')

2024-10-24 20:05:43	Android SAST Completed	ОК
2024-10-24 20:05:43	Android API Analysis Started	ОК
2024-10-24 20:05:52	Decompiling APK to Java with jadx	OK
2024-10-24 20:05:53	Android Permission Mapping Started	ОК
2024-10-24 20:05:56	Android Permission Mapping Completed	OK
2024-10-24 20:05:56	Finished Code Analysis, Email and URL Extraction	OK
2024-10-24 20:05:56	Extracting String data from APK	OK
2024-10-24 20:06:00	Extracting String data from Code	OK
2024-10-24 20:06:00	Extracting String values and entropies from Code	OK
2024-10-24 20:06:01	Performing Malware check on extracted domains	OK
2024-10-24 20:06:02	Saving to Database	OK

2024-10-24 20:06:15	Decompiling APK to Java with jadx	ОК
2024-10-24 20:06:57	Converting DEX to Smali	ОК
2024-10-24 20:06:57	Code Analysis Started on - java_source	ОК
2024-10-24 20:10:20	Converting DEX to Smali	ОК
2024-10-24 20:10:21	Code Analysis Started on - java_source	ОК
2024-10-24 20:11:33	Converting DEX to Smali	ОК
2024-10-24 20:11:33	Code Analysis Started on - java_source	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.

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