



ANDROID STATIC ANALYSIS REPORT

app_icon

 GPSMapApp (1.0)

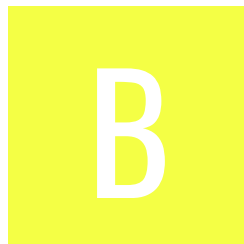
File Name: app-debug.apk

Package Name: com.example.gpsmapapp






Scan Date: Oct. 26, 2025, 3:53 a.m.

App Security Score: 46/100 (MEDIUM RISK)

Grade:



FINDINGS SEVERITY

 HIGH	 MEDIUM	 INFO	 SECURE	 HOTSPOT
2	5	0	1	1

FILE INFORMATION

File Name: app-debug.apk

Size: 6.72MB

MD5: 5b7f3133a10656b8df64ef6d1e1b0f5c

SHA1: 0505254b54f448cd96105f96461e72a14bea82b3

SHA256: 5e54ac9b5f2e35ec673e538a84d8c8aa9d61aba414e7175039b29a3262e52a7d

APP INFORMATION

App Name: GPSMapApp

Package Name: com.example.gpsmapapp

Main Activity: com.example.gpsmapapp.MainActivity

Target SDK: 36

Min SDK: 26

Max SDK:

Android Version Name: 1.0

Android Version Code: 1

APP COMPONENTS

Activities: 4

Services: 0

Receivers: 1

Providers: 1

Exported Activities: 2

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: 2025-09-24 00:51:35+00:00

Valid To: 2055-09-17 00:51:35+00:00

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

Serial Number: 0x1

Hash Algorithm: sha256

md5: c5468e0b4744002668f750024555a598

sha1: 06cf6baeee40551d164813a9e7d0c34939fa7543

sha256: 6b2d407094cc785f44b69ccfa561d1857b11d256b22c1ed44e460968a1ea3e9d

sha512: 713f2ee64943a9148892c002ad9212b5a941f11452452d31f5a4ab8fa9ca445f879dff73e669e0b77c7222ef74673a9d21120815c02c4e1fe329641a929372f9

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: be8b202f7af44badc4f9f677210f66591ce2369870dce4dbb4eeba8236551aa2

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.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
com.example.gpsmapapp.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference

FILE	DETAILS	
classes3.dex	FINDINGS	DETAILS
	Compiler	r8
classes2.dex	FINDINGS	DETAILS
	Compiler	unknown (please file detection issue!)
classes4.dex	FINDINGS	DETAILS
	Compiler	r8 without marker (suspicious)
classes.dex	FINDINGS	DETAILS
	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.BRAND check
	Compiler	r8

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.

MANIFEST ANALYSIS

HIGH: 1 | WARNING: 5 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable Android version Android 8.0, minSdk=26]	warning	This application can be installed on an older version of android that has multiple vulnerabilities. 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.

NO	ISSUE	SEVERITY	DESCRIPTION
4	Activity (com.example.gpsmapapp.Ubicacion) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
5	Activity (com.example.gpsmapapp.Mapa) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
6	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
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📄 NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
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ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	4/25	android.permission.ACCESS_FINE_LOCATION, android.permission.ACCESS_COARSE_LOCATION, android.permission.INTERNET, android.permission.ACCESS_NETWORK_STATE
Other Common Permissions	0/44	

Malware Permissions:

Top permissions that are widely abused by known malware.

Other Common Permissions:

Permissions that are commonly abused by known malware.

! OFAC SANCTIONED COUNTRIES

This app may communicate with the following OFAC sanctioned list of countries.

DOMAIN	COUNTRY/REGION
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🔍 DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
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DOMAIN	STATUS	GEOLOCATION
static.vecteezy.com	ok	IP: 172.64.152.224 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map

HARDCODED SECRETS

POSSIBLE SECRETS
"google_maps_key" : "AlzaSyCCPIVUjkjcjQtziOTuGEaoMBTi1CNGEhE"

SCAN LOGS

Timestamp	Event	Error
2025-10-26 03:53:26	Generating Hashes	OK
2025-10-26 03:53:26	Extracting APK	OK

2025-10-26 03:53:26	Unzipping	OK
2025-10-26 03:53:26	Parsing APK with androguard	OK
2025-10-26 03:53:27	Extracting APK features using aapt/aapt2	OK
2025-10-26 03:53:27	Getting Hardcoded Certificates/Keystores	OK
2025-10-26 03:53:29	Parsing AndroidManifest.xml	OK
2025-10-26 03:53:29	Extracting Manifest Data	OK
2025-10-26 03:53:29	Manifest Analysis Started	OK
2025-10-26 03:53:29	Performing Static Analysis on: GPSMapApp (com.example.gpsmapapp)	OK
2025-10-26 03:53:30	Fetching Details from Play Store: com.example.gpsmapapp	OK
2025-10-26 03:53:30	Checking for Malware Permissions	OK
2025-10-26 03:53:30	Fetching icon path	OK

2025-10-26 03:53:30	Library Binary Analysis Started	OK
2025-10-26 03:53:30	Reading Code Signing Certificate	OK
2025-10-26 03:53:31	Running APKiD 3.0.0	OK
2025-10-26 03:53:34	Detecting Trackers	OK
2025-10-26 03:53:35	Decompiling APK to Java with JADX	OK
2025-10-26 03:53:57	Converting DEX to Smali	OK
2025-10-26 03:53:57	Code Analysis Started on - java_source	OK
2025-10-26 03:53:57	Android SBOM Analysis Completed	OK
2025-10-26 03:54:04	Android SAST Completed	OK
2025-10-26 03:54:04	Android API Analysis Started	OK
2025-10-26 03:54:09	Android API Analysis Completed	OK

2025-10-26 03:54:09	Android Permission Mapping Started	OK
2025-10-26 03:54:13	Android Permission Mapping Completed	OK
2025-10-26 03:54:13	Android Behaviour Analysis Started	OK
2025-10-26 03:54:17	Android Behaviour Analysis Completed	OK
2025-10-26 03:54:17	Extracting Emails and URLs from Source Code	OK
2025-10-26 03:54:17	Email and URL Extraction Completed	OK
2025-10-26 03:54:17	Extracting String data from APK	OK
2025-10-26 03:54:17	Extracting String data from Code	OK
2025-10-26 03:54:17	Extracting String values and entropies from Code	OK
2025-10-26 03:54:18	Performing Malware check on extracted domains	OK
2025-10-26 03:54:19	Saving to Database	OK

Report Generated by - MobSF v4.4.3

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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