



## ANDROID STATIC ANALYSIS REPORT



 My Location (3.1.1)

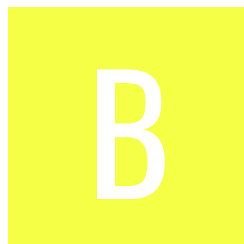
File Name: gps1.apk

Package Name: net.mypapit.mobile.myposition

Scan Date: May 23, 2022, 10:14 a.m.






App Security Score: 40/100 (MEDIUM RISK)

Grade:



Trackers Detection: 2/428

## FINDINGS SEVERITY

 HIGH	 MEDIUM	 INFO	 SECURE	 HOTSPOT
2	8	1	0	1

## FILE INFORMATION

File Name: gps1.apk

Size: 4.32MB

MD5: edb5b736fac99cc6c52e6a7375433c07

SHA1: 7d77c54e89d214989b4baa010b4654558587fe46

SHA256: 8c813797761fc29c50a47e0fabbe8a6cc4a3e277276f341e800f20001ed6d307

## APP INFORMATION

App Name: My Location

Package Name: net.mypapit.mobile.myposition

Main Activity: net.mypapit.mobile.myposition.MainActivity

Target SDK: 26

Min SDK: 16

Max SDK:

Android Version Name: 3.1.1

Android Version Code: 311

## APP COMPONENTS

Activities: 9

Services: 3

Receivers: 4

Providers: 1

Exported Activities: 0

Exported Services: **1**

Exported Receivers: **2**

Exported Providers: 0

## CERTIFICATE INFORMATION

APK is signed

v1 signature: True

v2 signature: True

v3 signature: False

Found 1 unique certificates

Subject: C=MY, O=Kirostudio.com, OU=mypapit.net, CN=Mohammad Hafiz Ismail mypapit

Signature Algorithm: rsassa\_pkcs1v15

Valid From: 2012-08-01 13:15:07+00:00

Valid To: 2062-07-20 13:15:07+00:00

Issuer: C=MY, O=Kirostudio.com, OU=mypapit.net, CN=Mohammad Hafiz Ismail mypapit

Serial Number: 0x50192bdb

Hash Algorithm: sha1

md5: b50203702a2ec13a992b5161079a472a

sha1: 5d5dbb699e2c81d709968585cb79c86d9e2cccb9

sha256: a655dbdfda4ce9ccb6bc1a255e5236ee245333346245ad771d46886cce88d52e

sha512: 33b235eb698c3dc898574e4c5433896011ca71268f47fba0385b20cb162f8ca5398a905885d529248ede040da0b781899055f03b1b53081eb658196b38b0b82b

PublicKey Algorithm: rsa

Bit Size: 1024

Fingerprint: e082b90f7d4240cf29d3a16825be4229a08421eae852154d2384d23c4e96060f

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate
Application vulnerable to Janus Vulnerability	warning	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.
Certificate algorithm might be vulnerable to hash collision	high	Application is signed with SHA1withRSA. SHA1 hash algorithm is known to have collision issues.

## ≡ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
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_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.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.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
com.google.android.c2dm.permission.RECEIVE	signature	C2DM permissions	Permission for cloud to device messaging.
net.mypapit.mobile.myposition.permission.C2D_MESSAGE	unknown	Unknown permission	Unknown permission from android reference

## APKID ANALYSIS

FILE	DETAILS	
classes.dex	FINDINGS	DETAILS
	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check
	Compiler	dx (possible dexmerge)
	Manipulator Found	dexmerge

## 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.
2	Broadcast Receiver (com.google.android.gms.measurement.AppMeasurementInstallReferrerReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.INSTALL_PACKAGES [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.
3	Broadcast Receiver (com.google.firebase.iid.FirebaseInstanceIdReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.c2dm.permission.SEND [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.

NO	ISSUE	SEVERITY	DESCRIPTION
4	Service (com.google.firebase.iid.FirebaseInstanceIdService) is not Protected. [android:exported=true]	high	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.

## </> CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES
1	<a href="#">The App logs information. Sensitive information should never be logged.</a>	info	CWE: CWE-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3	net/mypapit/mobile/myposition/MainActivity.java net/mypapit/mobile/myposition/NearbyVideoActivity.java com/orm/SugarRecord.java com/orm/SugarDb.java com/orm/SugarConfig.java com/orm/SugarTransactionHelper.java com/orm/SugarCursorFactory.java net/mypapit/mobile/myposition/model/BookmarkAdapter.java net/mypapit/mobile/myposition/FetchAddressIntentService.java net/mypapit/mobile/myposition/GetLocationsList.java net/mypapit/mobile/myposition/ShareActivity.java



NO	ISSUE	SEVERITY	STANDARDS	FILES
2	<a href="#">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.</a>	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	com/orm/SugarRecord.java com/orm/SugarDb.java
3	<a href="#">Files may contain hardcoded sensitive information like usernames, passwords, keys etc.</a>	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	net/mypapit/mobile/myposition/Constants.java
4	<a href="#">The App uses an insecure Random Number Generator.</a>	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	com/amulyakhare/textdrawable/util/ColorGenerator.java

## NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
1	<a href="#">FCS_RBG_EXT.1.1</a>	Security Functional Requirements	Random Bit Generation Services	The application invoke platform-provided DRBG functionality for its cryptographic operations.
2	<a href="#">FCS_STO_EXT.1.1</a>	Security Functional Requirements	Storage of Credentials	The application does not store any credentials to non-volatile memory.
3	<a href="#">FCS_CKM_EXT.1.1</a>	Security Functional Requirements	Cryptographic Key Generation Services	The application implement asymmetric key generation.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
4	FDP_DEC_EXT.1.1	Security Functional Requirements	Access to Platform Resources	The application has access to ['location', 'network connectivity'].
5	FDP_DEC_EXT.1.2	Security Functional Requirements	Access to Platform Resources	The application has access to no sensitive information repositories.
6	FDP_NET_EXT.1.1	Security Functional Requirements	Network Communications	The application has user/application initiated network communications.
7	FDP_DAR_EXT.1.1	Security Functional Requirements	Encryption Of Sensitive Application Data	The application implement functionality to encrypt sensitive data in non-volatile memory.
8	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.
9	FTP_DIT_EXT.1.1	Security Functional Requirements	Protection of Data in Transit	The application does encrypt some transmitted data with HTTPS/TLS/SSH between itself and another trusted IT product.
10	FCS_RBG_EXT.2.1,FCS_RBG_EXT.2.2	Selection-Based Security Functional Requirements	Random Bit Generation from Application	The application perform all deterministic random bit generation (DRBG) services in accordance with NIST Special Publication 800-90A using Hash_DRBG. The deterministic RBG is seeded by an entropy source that accumulates entropy from a platform-based DRBG and a software-based noise source, with a minimum of 256 bits of entropy at least equal to the greatest security strength (according to NIST SP 800-57) of the keys and hashes that it will generate.
11	FCS_CKM.1.1(1)	Selection-Based Security Functional Requirements	Cryptographic Asymmetric Key Generation	The application generate asymmetric cryptographic keys not in accordance with FCS_CKM.1.1(1) using key generation algorithm RSA schemes and cryptographic key sizes of 1024-bit or lower.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
12	<a href="#">FCS_COP.1.1(1)</a>	Selection-Based Security Functional Requirements	Cryptographic Operation - Encryption/Decryption	The application perform encryption/decryption in accordance with a specified cryptographic algorithm AES-CBC (as defined in NIST SP 800-38A) mode or AES-GCM (as defined in NIST SP 800-38D) and cryptographic key sizes 256-bit/128-bit.
13	<a href="#">FCS_COP.1.1(2)</a>	Selection-Based Security Functional Requirements	Cryptographic Operation - Hashing	The application perform cryptographic hashing services not in accordance with FCS_COP.1.1(2) and uses the cryptographic algorithm RC2/RC4/MD4/MD5.
14	<a href="#">FCS_COP.1.1(3)</a>	Selection-Based Security Functional Requirements	Cryptographic Operation - Signing	The application perform cryptographic signature services (generation and verification) in accordance with a specified cryptographic algorithm RSA schemes using cryptographic key sizes of 2048-bit or greater.
15	<a href="#">FCS_HTTPS_EXT.1.1</a>	Selection-Based Security Functional Requirements	HTTPS Protocol	The application implement the HTTPS protocol that complies with RFC 2818.
16	<a href="#">FCS_HTTPS_EXT.1.2</a>	Selection-Based Security Functional Requirements	HTTPS Protocol	The application implement HTTPS using TLS.
17	<a href="#">FCS_HTTPS_EXT.1.3</a>	Selection-Based Security Functional Requirements	HTTPS Protocol	The application notify the user and not establish the connection or request application authorization to establish the connection if the peer certificate is deemed invalid.
18	<a href="#">FIA_X509_EXT.2.1</a>	Selection-Based Security Functional Requirements	X.509 Certificate Authentication	The application use X.509v3 certificates as defined by RFC 5280 to support authentication for HTTPS , TLS.
19	<a href="#">FPT_TUD_EXT.2.1</a>	Selection-Based Security Functional Requirements	Integrity for Installation and Update	The application shall be distributed using the format of the platform-supported package manager.

## DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
www.panoramio.com	ok	IP: 142.250.179.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: <a href="#">Google Map</a>
picsum.photos	ok	IP: 104.26.5.30 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: <a href="#">Google Map</a>
api.repeater.my	ok	IP: 128.199.113.11 Country: Singapore Region: Singapore City: Singapore Latitude: 1.289670 Longitude: 103.850067 View: <a href="#">Google Map</a>

DOMAIN	STATUS	GEOLOCATION
www.youtube.com	ok	IP: 216.58.208.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: <a href="#">Google Map</a>
api.foursquare.com	ok	IP: 151.101.38.132 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: <a href="#">Google Map</a>
maps.google.com	ok	IP: 216.58.208.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: <a href="#">Google Map</a>

## TRACKERS

TRACKER	CATEGORIES	URL
Google AdMob	Advertisement	<a href="https://reports.exodus-privacy.eu.org/trackers/312">https://reports.exodus-privacy.eu.org/trackers/312</a>

TRACKER	CATEGORIES	URL
Google Firebase Analytics	Analytics	<a href="https://reports.exodus-privacy.eu.org/trackers/49">https://reports.exodus-privacy.eu.org/trackers/49</a>

## HARDCODED SECRETS

POSSIBLE SECRETS
"google_maps_key" : "YOUR_KEY_HERE"

## PLAYSTORE INFORMATION

**Title:** Send My GPS Location

**Score:** 4.231884 **Installs:** 50,000+ **Price:** 0 **Android Version Support:** 4.4 and up **Category:** Travel & Local **Play Store URL:** [net.mypapit.mobile.myposition](https://play.google.com/store/apps/details?id=net.mypapit.mobile.myposition)

**Developer Details:** mypapit, mypapit, Mohammad Hafiz Ismail 05200, Alor Setar, <http://mylocation.googlecode.com>, [mypapit+android@gmail.com](mailto:mypapit+android@gmail.com),

**Release Date:** Aug 16, 2012 **Privacy Policy:** [Privacy link](#)

### Description:

Send My GPS Location is an application for detection current location and sharing GPS coordinate with close friends and contacts. The application also include a tool for converting GPS coordinates between WGS84 decimal coordinate and DD MM SS format.

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### Report Generated by - MobSF v3.5.2 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.

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