

ANDROID STATIC ANALYSIS REPORT



• MOROway (6.4.0)

File Name:	installer47.apk
Package Name:	de.moroway.oc
Scan Date:	May 31, 2022, 11:56 a.m.
App Security Score:	42/100 (MEDIUM RISK)
Grade:	

FINDINGS SEVERITY

兼 HIGH	▲ MEDIUM	i INFO	✓ SECURE	ℚ HOTSPOT
2	1	1	1	0

FILE INFORMATION

File Name: installer47.apk

Size: 4.79MB

MD5: 3f90929dbf29f8a98e2a8b59c4a42227

SHA1: 952514375dbb7f87c91f024fbe33b6cc7f5757ca

SHA256: e85797a6d29b5c0a34dc3ea0d1069145574feda174a44a17bb70975f105a09ef

i APP INFORMATION

App Name: MOROway

Package Name: de.moroway.oc

Main Activity: de.moroway.oc.MainActivity

Target SDK: 29 Min SDK: 22 Max SDK:

Android Version Name: 6.4.0 Android Version Code: 60400

EE APP COMPONENTS

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

Exported Activities: O Exported Services: O Exported Receivers: 1 Exported Providers: O



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: 2020-08-21 14:23:33+00:00 Valid To: 2048-01-07 14:23:33+00:00

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

Serial Number: 0x7381eedb Hash Algorithm: sha256

md5: 99552075223b6071ba455a56da32fa42

sha1: a4d84a5a69babed15ce42516638976a08983cbc6

sha256: 0708287553d68ff8eed665b8430743e55b15a9d29ee50b5ea0e8ab359c52845b

sha512: 83d99b8bc03eec24dc9a7723c2c5d516e175567f5c901904beda4d5c30affe01ee2461c9ca82818d97e48463025796e1107e73cecd7081e46ac833f626ce0eeb

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.INTERNET	normal	full Internet access	Allows an application to create network sockets.

M APKID ANALYSIS

FILE	DETAILS		
	FINDINGS	DETAILS	
classes.dex	Anti Debug Code	Debug.isDebuggerConnected() check	
	Compiler	r8	



ACTIVITY	INTENT
de.moroway.oc.MainActivity	Schemes: https://, http://, Hosts: app.moroway.de,

△ NETWORK SECURITY

NO SCOPE SEVERITY DESCRIPTION		NO	SCOPE	SEVERITY	
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Q MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION
1	Application Data can be Backed up [android:allowBackup] flag is missing.	warning	The flag [android:allowBackup] should be set to false. By default it is set to true and 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.borismus.webintent.WebIntent\$ReferralReceiver) is not Protected. [android:exported=true]	high	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.

</> CODE ANALYSIS

١	10	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	cordova/plugins/screenorientation/CDVOrie ntation.java com/borismus/webintent/WebIntent.java

■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
1	FCS_RBG_EXT.1.1	Security Functional Requirements	Random Bit Generation Services	The application invoke platform-provided DRBG functionality for its cryptographic operations.
2	FCS_STO_EXT.1.1	Security Functional Requirements	Storage of Credentials	The application does not store any credentials to non-volatile memory.
3	FCS_CKM_EXT.1.1	Security Functional Requirements	Cryptographic Key Generation Services	The application generate no asymmetric cryptographic keys.
4	FDP_DEC_EXT.1.1	Security Functional Requirements	Access to Platform Resources	The application has access to ['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.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
7	FDP_DAR_EXT.1.1	Security Functional Requirements	Encryption Of Sensitive Application Data	The application does not encrypt files in non-volatile memory.
8	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.
9	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.
10	FIA_X509_EXT.2.1	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.

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