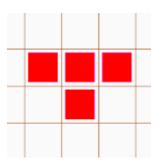


#### ANDROID STATIC ANALYSIS REPORT



Block Puzzle (3.1)

File Name:	installer165.apk
Package Name:	de.mwvb.blockpuzzle
Scan Date:	May 30, 2022, 3:33 p.m.
App Security Score:	67/100 (LOW RISK)
Grade:	A

#### FINDINGS SEVERITY

<b>派</b> HIGH	▲ MEDIUM	<b>i</b> INFO	✓ SECURE	ℚ HOTSPOT
0	3	1	1	0

#### FILE INFORMATION

File Name: installer165.apk

Size: 6.77MB

MD5: 3859c344376bd1262b5404f3da39bcae

**SHA1**: d56407777072ef4eec1959e324b83845a22be242

SHA256: 4bc34cd0ede82667f510b99fde292ee36f7e0c652db74f72d5d339bca78bc535

#### **i** APP INFORMATION

App Name: Block Puzzle

Package Name: de.mwvb.blockpuzzle

Main Activity: de.mwvb.blockpuzzle.MainActivity

Target SDK: 30 Min SDK: 19 Max SDK:

Android Version Name: 3.1
Android Version Code: 31

#### **B** APP COMPONENTS

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

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

#### **\*** CERTIFICATE INFORMATION

APK is signed v1 signature: True v2 signature: True v3 signature: True

Found 1 unique certificates

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

Signature Algorithm: rsassa\_pkcs1v15 Valid From: 2020-10-07 10:24:16+00:00 Valid To: 2048-02-23 10:24:16+00:00

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

Serial Number: 0xbbfbc7ec5880ea71

Hash Algorithm: sha256

md5: b6f5182cc766794b2ba9239a8ca76b03

sha1: e5aa29389f33ad7b9f25f948932fd4daf08a69cb

sha256: 3e20d64ec8d39760698cf45fc529411603d117986094bc360ff75421d3293e6b

sha512: cbb8894be17d3cc8fd033788b4f05ccde0cc237f603bcc20d63445222ef975b7a74aed7e86e28fd5e13d7273112d0aa21242e6afc53e3f303c9e4874fc3059bf

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: 4dc504d626720c28c4cb3368e4096e7110685bf47e7b8d03152f5707daa32d6f

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.

## **命 APKID ANALYSIS**

FILE	DETAILS		
	FINDINGS	DETAILS	
classes.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check	
	Compiler	r8	

### **△** NETWORK SECURITY

NO SCOPE SEVERITY DESCRIPTION	
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# **Q** 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
1	The App uses an insecure Random Number Generator.	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	de/mwvb/blockpuzzle/logic/Game.java de/mwvb/blockpuzzle/logic/spielstein/special/ SpecialBock.java
2	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	de/mwvb/blockpuzzle/logic/Game.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 use no 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.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
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 no hardware resources.
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 no 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.

#### 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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