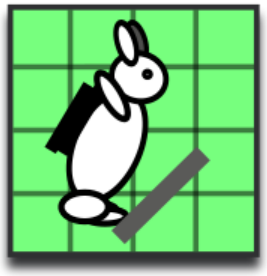
MOBSF

ANDROID STATIC ANALYSIS REPORT



Rabbit Escape (0.13.1)

File Name:	installer3826.apk
Package Name:	net.artificialworlds.rabbitescape
Scan Date:	May 31, 2022, 7:53 p.m.
App Security Score:	55/100 (MEDIUM RISK)
Grade:	B

FINDINGS SEVERITY

HIGH	MEDIUM	INFO	SECURE	HOTSPOT
1	2	1	1	0

FILE INFORMATION

File Name: installer3826.apk
Size: 18.81MB
MD5: cdb79b3b491d6fd19f5b2533f5f9f39f
SHA1: 8a8abbf85633d173b5d1ddbc3876805e831ef5f9
SHA256: 343392544e82909d360971ae967878aff8f2375a1ee884e70c6ba0bea372d7f7

APP INFORMATION

App Name: Rabbit Escape
Package Name: net.artificialworlds.rabbitescape
Main Activity: rabbitescape.ui.android.AndroidMenuActivity
Target SDK: 26
Min SDK: 14
Max SDK:
Android Version Name: 0.13.1
Android Version Code: 131

APP COMPONENTS

Activities: 3
Services: 0
Receivers: 0
Providers: 0
Exported Activities: 0
Exported Services: 0
Exported Receivers: 0
Exported Providers: 0

CERTIFICATE INFORMATION

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: 2017-01-30 13:52:34+00:00
Valid To: 2044-06-17 13:52:34+00:00
Issuer: C=UK, ST=ORG, L=ORG, O=fdroid.org, OU=FDroid, CN=FDroid
Serial Number: 0x6c3dde71
Hash Algorithm: sha256
md5: 39626203e0dfb3e1713eb520b0321a1b
sha1: d59e1741c19cfe8bf7afbc477a07e7fdd9a9503e
sha256: d0d66c2dff3ea616c081360588acf2a31989db4148e8e4281370c6acd76a79cb
sha512: 7f2162e9dab1cbf8053c9a45cb00b7be94e69b3e43e161561679b1ec8ab4966b68cda026f8b43cf2b3220dc02fb2caa1a1de2d8b6a11363abb5a479354b70d7b

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.

APKID ANALYSIS

FILE	DETAILS
classes.dex	FINDINGS: DETAILS Compiler: r8

NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION

MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION

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 logs information. Sensitive information should never be logged.	info	CWE: CWE-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3	rabbitescape/ui/android/AndroidGraphics.java rabbitescape/engine/config/TapTimer.java
2	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	rabbitescape/render/WaterParticle.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.

DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION

DOMAIN	STATUS	GEOLOCATION
www.artificialworlds.net	ok	**IP:** 75.119.215.162 **Country:** United States of America **Region:** California **City:** Brea **Latitude:** 33.930222 **Longitude:** -117.888420 **View:** Google Map
tryad.org	ok	**IP:** 143.95.72.227 **Country:** United States of America **Region:** Massachusetts **City:** Burlington **Latitude:** 42.508480 **Longitude:** -71.201134 **View:** Google Map

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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.