

#### ANDROID STATIC ANALYSIS REPORT



Enchanted Fortress (1.12)

File Name:	installer340.apk
Package Name:	hr.kravarscan.enchantedfortress
Scan Date:	May 31, 2022, 4:05 p.m.
App Security Score:	55/100 (MEDIUM RISK)
Grade:	

#### FINDINGS SEVERITY

<del>派</del> HIGH	▲ MEDIUM	<b>i</b> INFO	✓ SECURE	♥ HOTSPOT
1	2	1	1	0

#### FILE INFORMATION

File Name: installer340.apk

Size: 0.11MB

MD5: 56312d00de27cf6d12f3dc9544402154

**SHA1**: cd9b36f8f2d6429410e0809192f655fe2a4f8b73

SHA256: 27a31f1d9cde6bc74584f0d29206304c1a2e0a9a7dd0d9a6e8ea75f06a3efca2

#### **i** APP INFORMATION

**App Name:** Enchanted Fortress

Package Name: hr.kravarscan.enchantedfortress

Main Activity: hr.kravarscan.enchantedfortress.MainActivity

Target SDK: 26 Min SDK: 15 Max SDK:

Android Version Name: 1.12 Android Version Code: 13

#### **APP COMPONENTS**

Activities: 7 Services: 0 Receivers: 0 Providers: 0

Exported Activities: O Exported Services: O Exported Receivers: O 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: 2017-05-29 10:40:53+00:00 Valid To: 2044-10-14 10:40:53+00:00

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

Serial Number: 0x30926910 Hash Algorithm: sha256

md5: 2c15bab13d20c4e5a847463c828fe4cd

sha1: 57e0a173bdd3fb36183aa148217d2e74efd4fee4

sha512: b30330c855ca4d0392bcf3e10957bcc64af93007bcfb872e35af164bad94d91bba677ad729de9e5377ab6d16d9c0f7942990faca43a8f9119c86900bb129c971

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.

# **M** APKID ANALYSIS

FILE	DETAILS		
classes.dex	FINDINGS	DETAILS	
	Compiler	unknown (please file detection issue!)	

# **△** NETWORK SECURITY

NO SCOPE SEVERITY DESCRIPTION
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# **Q** MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION
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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
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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	hr/kravarscan/enchantedfortress/d.java hr/kravarscan/enchantedfortress/HelpActivit y.java hr/kravarscan/enchantedfortress/f.java hr/kravarscan/enchantedfortress/NewsActivi ty.java hr/kravarscan/enchantedfortress/h.java hr/kravarscan/enchantedfortress/ScoresActi vity.java hr/kravarscan/enchantedfortress/AboutActiv ity.java hr/kravarscan/enchantedfortress/A.c.java hr/kravarscan/enchantedfortress/c.java hr/kravarscan/enchantedfortress/GameActiv ity.java hr/kravarscan/enchantedfortress/NewGame Activity.java hr/kravarscan/enchantedfortress/i.java hr/kravarscan/enchantedfortress/o.java hr/kravarscan/enchantedfortress/b/a.java hr/kravarscan/enchantedfortress/b/a.java hr/kravarscan/enchantedfortress/b/a.java hr/kravarscan/enchantedfortress/MainActivi ty.java hr/kravarscan/enchantedfortress/b.java hr/kravarscan/enchantedfortress/b.java hr/kravarscan/enchantedfortress/b.java hr/kravarscan/enchantedfortress/b.java hr/kravarscan/enchantedfortress/b.java hr/kravarscan/enchantedfortress/b.java hr/kravarscan/enchantedfortress/b.java hr/kravarscan/enchantedfortress/b.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	hr/kravarscan/enchantedfortress/a/b.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.
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 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.

## **Q DOMAIN MALWARE CHECK**

DOMAIN	STATUS	GEOLOCATION
github.com	ok	IP: 140.82.121.4  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
www.paypal.me	ok	IP: 151.101.65.21 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

#### 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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