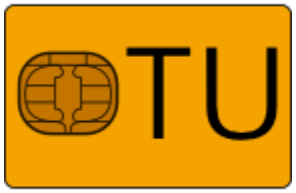
ANDROID STATIC ANALYSIS REPORT



Mensa-Guthaben (1.2)

File Name:	installer302.apk
Package Name:	de.yazo_games.mensaguthaben
Scan Date:	May 31, 2022, 9:53 a.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: installer302.apk
Size: 1.04MB
MD5: 3577e67e88ea1c29d69eec1b8f41868b
SHA1: cf6096296715c7647581072d1898deed079a77ed
SHA256: cb7dbd9f2171619bac10520923585f56bbadc3127d7558819a99ecb7af0c2546

APP INFORMATION

App Name: Mensa-Guthaben
Package Name: de.yazo_games.mensaguthaben
Main Activity: de.yazo_games.mensaguthaben.MainActivity
Target SDK: 21
Min SDK: 14
Max SDK:
Android Version Name: 1.2
Android Version Code: 14

APP COMPONENTS

Activities: 4
Services: 0
Receivers: 0
Providers: 0
Exported Activities: 1
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: 2014-11-04 06:15:25+00:00
Valid To: 2042-03-22 06:15:25+00:00
Issuer: C=UK, ST=ORG, L=ORG, O=fdroid.org, OU=FDroid, CN=FDroid
Serial Number: 0x3f2c3171
Hash Algorithm: sha256
md5: da8d66d0c732abe2d6f6205f446ffe0b
sha1: b80b2aee7c174651fbd889e091e13492162ebd6c
sha256: 794b5a5716ea981a345f144966ba5cdca1f669394b5324691fc0af7df5442856
sha512: e720a75b6671566fd680216b7c07aa2b0e1c06804b8b2bdd029599e45fd8039d4c8c1f1777a30d5cf6f0775cb55aa2a54584de40630ca6a13e1aaf5823ac9ec7

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.NFC	normal	control Near-Field Communication	Allows an application to communicate with Near-Field Communication (NFC) tags, cards and readers.

APKID ANALYSIS

FILE	DETAILS
classes.dex	FINDINGS: DETAILS Compiler: dx (possible dexmerge) Manipulator Found: dexmerge

NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION

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	Activity-Alias (de.yazo_games.mensaguthaben.ActivityAlias) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.

CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES

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	de/yazo_games/mensaguthaben/MainActivity.java de/yazo_games/mensaguthaben/cardreader/Readers.java de/yazo_games/mensaguthaben/cardreader/InterCardReader.java com/codebutler/farebot/Utils.java de/yazo_games/mensaguthaben/PopupActivity.java de/yazo_games/mensaguthaben/AutostartRegister.java de/yazo_games/mensaguthaben/cardreader/MagnaCartaReader.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 ['NFC'].

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
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	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 not encrypt any data in traffic or does not transmit any data between itself and another trusted IT product.

DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
xml.apache.org	ok	**IP:** 151.101.2.132 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map

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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