ANDROID STATIC ANALYSIS REPORT

MTG Familiar (3.6.6.dbg.3)

File Name:	installer83.apk
Package Name:	com.gelakinetic.mtgfam
Scan Date:	May 31, 2022, 2:01 p.m.
App Security Score:	51/100 (MEDIUM RISK)
Grade:	B

FINDINGS SEVERITY

HIGH	MEDIUM	INFO	SECURE	HOTSPOT
1	12	2	1	1

FILE INFORMATION

File Name: installer83.apk
Size: 13.71MB
MD5: 43093fce361fa35b2e93fcbc1ccda616
SHA1: d754cef75c50ac51f2ec2e8f7b0950ca6ee67a8a
SHA256: 03baa4917971f01680a0a9975e90ed8e5173ea24be9677398097488eb741f5dd

APP INFORMATION

App Name: MTG Familiar
Package Name: com.gelakinetic.mtgfam
Main Activity: com.gelakinetic.mtgfam.FamiliarActivity
Target SDK: 29
Min SDK: 21
Max SDK:
Android Version Name: 3.6.6.dbg.3
Android Version Code: 75

APP COMPONENTS

Activities: 2
Services: 2
Receivers: 3
Providers: 2
Exported Activities: 1
Exported Services: 0
Exported Receivers: 2
Exported Providers: 0

CERTIFICATE INFORMATION

APK is signed
v1 signature: True
v2 signature: True
v3 signature: False
Found 1 unique certificates
Subject: CN=Adam Feinstein
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2011-08-31 23:39:06+00:00
Valid To: 2036-08-24 23:39:06+00:00
Issuer: CN=Adam Feinstein
Serial Number: 0x4e5ec61a
Hash Algorithm: sha1
md5: 9deca1a9a09a049e3ba980bd69a1167f
sha1: 144cd9b16281317123c2d1d903fb47575f3fb4b7
sha256: de72f1db4c1fce3028a6149b6eca99489c12bb41aad4623dbd87863a2ef2dc44
sha512: 65c465d79bd7384b1afb684dfa7885ad2e678efd85e2c5ca092c72234edceda293cfabf1a78715122bce31b972117540a21d5a0761ebab5b8e7e0d54fdb47a9c
PublicKey Algorithm: rsa
Bit Size: 1024
Fingerprint: c098903d526b69e5ba9b9cc111b8aec036379d6854b9126cf786f09427dd21e5

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.
Certificate algorithm might be vulnerable to hash collision	warning	Application is signed with SHA1withRSA. SHA1 hash algorithm is known to have collision issues. The manifest file indicates SHA256withRSA is in use.

APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.FOREGROUND_SERVICE	normal		Allows a regular application to use Service.startForeground.

APKID ANALYSIS

<table>
<tr><th>FILE</th><th>DETAILS</th></tr>
<tr><td>classes.dex</td><td><table>
<tr><th>FINDINGS</th><th>DETAILS</th></tr>
<tr><td>Anti-VM Code</td><td>Build.MANUFACTURER check</td></tr>
<tr><td>Compiler</td><td>r8</td></tr>
</table></td></tr>
<tr><td>classes2.dex</td><td><table>
<tr><th>FINDINGS</th><th>DETAILS</th></tr>
<tr><td>Compiler</td><td>r8 without marker (suspicious)</td></tr>
</table></td></tr>
</table>

BROWSABLE ACTIVITIES

ACTIVITY	INTENT
com.gelakinetic.mtgfam.FamiliarActivity	Schemes: card://, http://, https://, Hosts: multiverseid, gatherer.wizards.com, www.wizards.com, Path Prefixes: /, /Pages/Card, /Pages/Search/Default.aspx?name=, /magic/autocard.asp?name=,

NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION

MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION
1	Clear text traffic is Enabled For App [android:usesCleartextTraffic=true]	high	The app intends to use cleartext network traffic, such as cleartext HTTP, FTP stacks, DownloadManager, and MediaPlayer. The default value for apps that target API level 27 or lower is "true". Apps that target API level 28 or higher default to "false". The key reason for avoiding cleartext traffic is the lack of confidentiality, authenticity, and protections against tampering; a network attacker can eavesdrop on transmitted data and also modify it without being detected.
2	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.
3	Activity (com.gelakinetic.mtgfam.MtgAppWidgetConfigure) is not Protected. An intent-filter exists.	warning	An Activity 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 is explicitly exported.
4	Broadcast Receiver (com.gelakinetic.mtgfam.helpers.MTGFamiliarAppWidgetProviderDark) is not Protected. An intent-filter exists.	warning	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. The presence of intent-filter indicates that the Broadcast Receiver is explicitly exported.
5	Broadcast Receiver (com.gelakinetic.mtgfam.helpers.MTGFamiliarAppWidgetProviderLight) is not Protected. An intent-filter exists.	warning	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. The presence of intent-filter indicates that the Broadcast Receiver is explicitly exported.

CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/bumptech/glide/load/model/StreamEncoder.java com/codetroopers/betterpickers/recurrencepicker/EventRecurrence.java com/nineoldandroids/animation/PropertyValuesHolder.java com/bumptech/glide/load/data/LocalUriFetcher.java com/bumptech/glide/module/ManifestParser.java com/bumptech/glide/load/resource/gif/StreamGifDecoder.java com/bumptech/glide/load/engine/SourceGenerator.java com/bumptech/glide/gifdecoder/StandardGifDecoder.java com/codetroopers/betterpickers/timezonepicker/TimeZoneFilterTypeAdapter.java com/codetroopers/betterpickers/timepicker/TimePickerBuilder.java com/bumptech/glide/manager/RequestTracker.java com/bumptech/glide/load/resource/bitmap/TransformationUtils.java com/bumptech/glide/load/resource/ImageDecoderResourceDecoder.java com/bumptech/glide/load/model/ByteBufferEncoder.java com/bumptech/glide/load/model/ByteBufferFileLoader.java com/codetroopers/betterpickers/datepicker/DatePickerBuilder.java com/bumptech/glide/load/data/mediastore/ThumbFetcher.java com/codetroopers/betterpickers/timezonepicker/TimeZonePickerUtils.java com/bumptech/glide/load/model/FileLoader

NO	ISSUE	SEVERITY	STANDARDS	FILES
1	The App logs information. Sensitive	info	CWE: CWE-532: Insertion of Sensitive Information into Log File	.java com/codetroopers/betterpickers/hmspicker/HmsPickerBuilder.java com/bumptech/glide/request/target/ViewTarget.java com/bumptech/glide/load/engine/executor/GlideExecutor.java com/afollestad/materialdialogs/MaterialDialog.java com/bumptech/glide/load/resource/gif/ByteBufferGifDecoder.java com/bumptech/glide/load/resource/bitmap/HardwareConfigState.java com/bumptech/glide/load/engine/DecodePath.java com/bumptech/glide/load/data/HttpUrlFetcher.java com/codetroopers/betterpickers/expirationpicker/ExpirationPickerBuilder.java com/bumptech/glide/manager/RequestManagerFragment.java com/bumptech/glide/load/resource/bitmap/DefaultImageHeaderParser.java com/codetroopers/betterpickers/timezonepicker/TimeZoneData.java com/bumptech/glide/load/resource/bitmap/VideoDecoder.java me/zhanghai/android/materialprogressbar/MaterialProgressBar.java com/codetroopers/betterpickers/radialtimepicker/CircleView.java com/bumptech/glide/gifdecoder/GifHeaderParser.java com/bumptech/glide/load/data/mediastore/ThumbnailStreamOpener.java com/bumptech/glide/load/data/AssetPathFetcher.java com/bumptech/glide/load/model/ResourceLoader.java com/bumptech/glide/Glide.java com/bumptech/glide/load/engine/GlideExce

NO	ISSUE	SEVERITY	STANDARDS	FILES
	information should never be logged.		OWASP MASVS: MSTG-STORAGE-3	ption.java com/codetroopers/betterpickers/recurrencepicker/RecurrencePickerDialogFragment.java com/github/machinarius/preferencefragment/PreferenceManagerCompat.java com/codetroopers/betterpickers/numberpicker/NumberPickerBuilder.java com/bumptech/glide/manager/DefaultConnectivityMonitorFactory.java com/codetroopers/betterpickers/radialtimepicker/RadialPickerLayout.java com/bumptech/glide/load/resource/bitmap/Downsampler.java com/bumptech/glide/signature/ApplicationVersionSignature.java com/codetroopers/betterpickers/radialtimepicker/AmPmCirclesView.java me/zhanghai/android/materialprogressbar/BaseProgressLayerDrawable.java com/codetroopers/betterpickers/radialtimepicker/RadialTimePickerDialogFragment.java com/codetroopers/betterpickers/radialtimepicker/RadialSelectorView.java com/bumptech/glide/load/engine/cache/MemorySizeCalculator.java com/codetroopers/betterpickers/radialtimepicker/RadialTextsView.java com/bumptech/glide/load/engine/bitmap_recycle/LruArrayPool.java com/bumptech/glide/request/target/CustomViewTarget.java com/bumptech/glide/manager/DefaultConnectivityMonitor.java com/bumptech/glide/load/engine/bitmap_recycle/LruBitmapPool.java com/bumptech/glide/load/engine/DecodeJob.java com/bumptech/glide/load/resource/gif/GifDrawableEncoder.java com/bumptech/glide/load/resource/bitmap/DrawableToBitmapConverter.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/bumptech/glide/util/pool/FactoryPools.java com/bumptech/glide/load/resource/bitmap/BitmapImageDecoderResourceDecoder.java com/codetroopers/betterpickers/timezonepicker/TimeZoneInfo.java com/bumptech/glide/load/engine/cache/DiskLruCacheWrapper.java com/bumptech/glide/load/resource/bitmap/BitmapEncoder.java com/codetroopers/betterpickers/calendardatepicker/CalendarDatePickerDialogFragment.java com/gelakinetic/mtgfam/helpers/LookupAllPricesTest.java com/bumptech/glide/util/ContentLengthInputStream.java com/bumptech/glide/GeneratedAppGlideModuleImpl.java com/bumptech/glide/manager/RequestManagerRetriever.java com/bumptech/glide/manager/SupportRequestManagerFragment.java com/bumptech/glide/request/SingleRequest.java com/afollestad/materialdialogs/internal/MDTintHelper.java com/tokenautocomplete/TokenCompleteTextView.java com/bumptech/glide/load/engine/Engine.java com/codetroopers/betterpickers/calendardatepicker/DayPickerView.java com/bumptech/glide/load/engine/prefill/BitmapPreFillRunner.java com/bumptech/glide/load/engine/executor/RuntimeCompat.java
				com/gelakinetic/mtgfam/fragments/dialogs/FamiliarDialogFragment.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
2	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	com/nytimes/android/external/store3/base/impl/BarCode.java com/gelakinetic/mtgfam/fragments/SearchViewFragment.java com/bumptech/glide/load/engine/DataCacheKey.java com/codetroopers/betterpickers/datepicker/DatePickerDialogFragment.java com/gelakinetic/mtgfam/fragments/GatheringsFragment.java com/gelakinetic/mtgfam/fragments/dialogs/DecklistDialogFragment.java com/gelakinetic/mtgfam/fragments/LifeCounterFragment.java com/gelakinetic/mtgfam/fragments/dialogs/ResultListDialogFragment.java com/codetroopers/betterpickers/numberpicker/NumberPickerDialogFragment.java com/gelakinetic/mtgfam/fragments/DeckCounterFragment.java com/gelakinetic/mtgfam/helpers/tcgp/TcgpApi.java org/jsoup/helper/W3CDom.java com/codetroopers/betterpickers/hmspicker/HmsPickerDialogFragment.java com/bumptech/glide/load/engine/ResourceCacheKey.java com/gelakinetic/mtgfam/fragments/RulesFragment.java com/gelakinetic/mtgfam/fragments/dialogs/WishlistDialogFragment.java com/bumptech/glide/load/engine/EngineResource.java org/jsoup/nodes/DocumentType.java io/reactivex/internal/schedulers/SchedulerPoolFactory.java com/codetroopers/betterpickers/timepicker/TimePickerDialogFragment.java com/bumptech/glide/manager/RequestManagerRetriever.java com/codetroopers/betterpickers/expirationp

NO	ISSUE	SEVERITY	STANDARDS	FILES
				icker/ExpirationPickerDialogFragment.java com/bumptech/glide/load/Option.java com/gelakinetic/mtgfam/fragments/dialogs/LcPlayerDialogFragment.java
3	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	com/gelakinetic/mtgfam/fragments/ResultListFragment.java org/jsoup/helper/DataUtil.java com/gelakinetic/mtgfam/fragments/MoJhoStoFragment.java com/gelakinetic/mtgfam/fragments/DiceFragment.java
4	App can read/write to External Storage. Any App can read data written to External Storage.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/gelakinetic/mtgfam/helpers/ZipUtils.java com/gelakinetic/mtgfam/helpers/FamiliarLogger.java com/gelakinetic/mtgfam/fragments/CardViewFragment.java com/gelakinetic/mtgfam/helpers/updaters/DbUpdaterService.java
5	App uses SQLite Database and execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and written to the database.	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	com/gelakinetic/mtgfam/helpers/database/DatabaseManager.java com/gelakinetic/mtgfam/helpers/database/DatabaseHelper.java com/gelakinetic/mtgfam/helpers/database/CardDbAdapter.java
6	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	com/afollestad/materialdialogs/BuildConfig.java
7	This App copies data to clipboard. Sensitive data should not be copied to clipboard as other applications can access it.	info	OWASP MASVS: MSTG-STORAGE-10	com/gelakinetic/mtgfam/fragments/CardViewFragment.java com/gelakinetic/mtgfam/fragments/RulesFragment.java com/gelakinetic/mtgfam/fragments/dialogs/CardViewDialogFragment.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 ['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.
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.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
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.
10	FCS_COP.1.1(2)	Selection-Based Security Functional Requirements	Cryptographic Operation - Hashing	The application perform cryptographic hashing services in accordance with a specified cryptographic algorithm SHA-1/SHA-256/SHA-384/SHA-512 and message digest sizes 160/256/384/512 bits.
11	FCS_HTTPS_EXT.1.1	Selection-Based Security Functional Requirements	HTTPS Protocol	The application implement the HTTPS protocol that complies with RFC 2818.
12	FCS_HTTPS_EXT.1.2	Selection-Based Security Functional Requirements	HTTPS Protocol	The application implement HTTPS using TLS.

DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
robobunny.com	ok	**IP:** 71.158.88.45 **Country:** United States of America **Region:** North Carolina **City:** Raleigh **Latitude:** 35.772099 **Longitude:** -78.638611 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
creativecommons.org	ok	**IP:** 104.20.151.16 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
api.tcgplayer.com	ok	**IP:** 3.212.121.4 **Country:** United States of America **Region:** Virginia **City:** Ashburn **Latitude:** 39.043720 **Longitude:** -77.487488 **View:** Google Map
www.wizards.com	ok	**IP:** 23.66.17.199 **Country:** Netherlands **Region:** Noord-Holland **City:** Amsterdam **Latitude:** 52.374031 **Longitude:** 4.889690 **View:** Google Map
gatherer.wizards.com	ok	**IP:** 199.33.216.39 **Country:** United States of America **Region:** Washington **City:** Renton **Latitude:** 47.481884 **Longitude:** -122.196617 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
www.bluewizard.net	ok	**IP:** 98.191.209.200 **Country:** United States of America **Region:** Virginia **City:** Arlington **Latitude:** 38.881008 **Longitude:** -77.104279 **View:** Google Map
www.gnu.org	ok	**IP:** 209.51.188.116 **Country:** United States of America **Region:** Massachusetts **City:** Boston **Latitude:** 42.358429 **Longitude:** -71.059769 **View:** Google Map
raw.githubusercontent.com	ok	**IP:** 185.199.110.133 **Country:** United States of America **Region:** Pennsylvania **City:** California **Latitude:** 40.065632 **Longitude:** -79.891708 **View:** Google Map
schemas.android.com	ok	No Geolocation information available.
github.com	ok	**IP:** 140.82.121.3 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
api.scryfall.com	ok	**IP:** 172.67.73.77 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
www.reddit.com	ok	**IP:** 199.232.149.140 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
tcgplayer.com	ok	**IP:** 192.230.66.118 **Country:** United States of America **Region:** Texas **City:** Dallas **Latitude:** 32.783058 **Longitude:** -96.806671 **View:** Google Map

✉ EMAILS

EMAIL	FILE
mtg.familiar@gmail.com	com/gelakinetic/mtgfam/helpers/FamiliarLogger.java

EMAIL	FILE
mtg.familiar@gmail.com	Android String Resource

HARDCODED SECRETS

POSSIBLE SECRETS
"key_LastDecklistLoaded" : "last_decklist_loaded"
"key_LastTradeLoaded" : "last_trade_loaded"
"key_SearchCriteria" : "search_criteria"
"key_SearchCriteriaPerm" : "search_criteria_permanent"
"key_TcgpToken" : "tcgp_token"
"key_TcgpTokenExpirationDate" : "tcgp_token_expiration_date"
"key_abilityPref" : "abilityPref"
"key_blackMana" : "blackMana"
"key_blueMana" : "blueMana"
"key_bounceDrawer" : "bounceDrawer"
"key_cardlanguage" : "cardlanguage"

POSSIBLE SECRETS
"key_colorlessMana" : "colorlessMana"
"key_consolidateSearch" : "consolidateSearch"
"key_currentRoundTimer" : "currentRoundTimer"
"key_database_version" : "databaseVersion"
"key_date" : "date"
"key_dci_number" : "dciNumber"
"key_deckPrice" : "deckPrice"
"key_defaultFragment" : "defaultFragment"
"key_dimlevel" : "dimlevel"
"key_dimlock" : "dimlock"
"key_displayMode" : "displayMode"
"key_energy" : "energy"
"key_fifteenMinutePref" : "fifteenMinutePref"
"key_fiveMinutePref" : "fiveMinutePref"
"key_greenMana" : "greenMana"

POSSIBLE SECRETS
"key_hideOnlineCards" : "hideOnlineOnly"
"key_imageCacheSize" : "imageCacheSize"
"key_language" : "language"
"key_lastVersion" : "lastVersion"
"key_legality_timestamp" : "legality_timestamp"
"key_lifeTimer" : "lifeTimer"
"key_loggingPref" : "logging_enabled"
"key_manacostPref" : "manacostPref"
"key_mojhostoFirstTime" : "mojhostoFirstTime"
"key_num_tutor_cards_searches" : "num_tc_searches"
"key_persistSearch" : "persistSearch"
"key_picFirst" : "picFirst"
"key_player_data" : "player_data"
"key_ptPref" : "ptPref"
"key_redMana" : "redMana"

POSSIBLE SECRETS
"key_searchSortOrder" : "search_sort_order"
"key_setPref" : "setPref"
"key_showIndividualPricesWishlistPref" : "showIndividualPricesWishlistPref"
"key_showTotalPriceDecklistPref" : "showTotalPriceDecklistPref"
"key_showTotalPriceWishlistPref" : "showTotalPriceWishlistPref"
"key_spellCount" : "spellCount"
"key_tap_symbol" : "tapSymbol"
"key_tcgpGroups" : "tcgp_groups"
"key_tenMinutePref" : "tenMinutePref"
"key_theme" : "theme"
"key_timerSound" : "timerSound"
"key_tradePrice" : "tradePrice"
"key_trade_sort_order" : "trade_sort_order"
"key_trade_sort_order_2" : "trade_sort_order_2"
"key_trade_sort_type" : "trade_sort_type"

POSSIBLE SECRETS
"key_ttsShowDialog" : "ttsShowDialog"
"key_twoMinutePref" : "twoMinutePref"
"key_typePref" : "typePref"
"key_undoTimeout" : "undo_timeout"
"key_useSoundInsteadOfTTSPref" : "useSoundInsteadOfTTSPref"
"key_verboseWishlistPref" : "verboseWishlistPref"
"key_wakelock" : "wakelock"
"key_whiteMana" : "whiteMana"
"key_white_symbol" : "whiteSymbol"
"key_widgetButtons" : "widgetButtons"
"key_widgetNumButtons" : "widget_num_buttons_"
"key_wishlistPrice" : "wishlistPrice"
"key_wishlist_sort_order_2" : "wishlist_sort_order_2"
"library_smoothprogressbar_authorWebsite" : "https://github.com/castorflex"
"deleted_key" : "%1$s已删除"

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.