

ANDROID STATIC ANALYSIS REPORT



MTG Familiar (3.6.6.dbg.2)

| File Name: | installer304.apk | |
|---------------------|-------------------------|--|
| Package Name: | com.gelakinetic.mtgfam | |
| Scan Date: | May 31, 2022, 8:44 a.m. | |
| App Security Score: | 41/100 (MEDIUM RISK) | |
| Grade: | | |
| | | |

FINDINGS SEVERITY

| 派 HIGH | ▲ MEDIUM | i INFO | ✓ SECURE | ♥ HOTSPOT |
|---------------|----------|---------------|----------|-----------|
| 4 | 10 | 2 | 1 | 1 |

FILE INFORMATION

File Name: installer304.apk

Size: 13.72MB

MD5: e682c07547343066d75f82e2eb061c18

SHA1: 997fbd35556bbe018ec4aef4ab8f1dbac0741e68

SHA256: 0f8e391316257126977cd0c854c40a082c203e3305f7615ac5a60afda2eabb2f

i APP INFORMATION

App Name: MTG Familiar

Package Name: com.gelakinetic.mtgfam

Main Activity: com.gelakinetic.mtgfam.FamiliarActivity

Target SDK: 29 Min SDK: 15 Max SDK:

Android Version Name: 3.6.6.dbg.2

Android Version Code: 74

EE APP COMPONENTS

Activities: 2 Services: 2 Receivers: 3 Providers: 2

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



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: 2012-08-29 14:23:17+00:00 Valid To: 2040-01-15 14:23:17+00:00

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

Serial Number: 0x503e25d5 Hash Algorithm: sha1

md5: e6597ecf05cc58aeeb3653013228c692

sha1: 73fcb682dcae55018f560a303d7e3006b21d45ed

sha256: b42fa6a3fb4bae0dc014633bc7d7fc95d2c2640cb135e257cd71924149f8d64b

sha512: e8461ab8a92051b2bdd5f05631fd837a75b7059cbb25b8b8b5c24e09bd640fb7bded0a81f8e6e41778c8645ccf0b43027d56255b48eaa86fbcc007fc404cd6d4

| 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. | |
| Certificate algorithm might be vulnerable to hash collision | high | Application is signed with SHA1withRSA. SHA1 hash algorithm is known to have collision issues. | |

⋮ 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. |



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

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 | |
|----|-------|----------|-------------|--|
|----|-------|----------|-------------|--|

Q 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 | Launch Mode of Activity (com.gelakinetic.mtgfam.FamiliarActivity) is not standard. | high | An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent. So it is required to use the "standard" launch mode attribute when sensitive information is included in an Intent. |
| 4 | 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. |
| 5 | 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. |
| 6 | 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/engine/Engine.jav a com/codetroopers/betterpickers/datepicker/ DatePickerBuilder.java com/bumptech/glide/load/engine/bitmap_re cycle/LruArrayPool.java com/nineoldandroids/animation/PropertyVal uesHolder.java com/codetroopers/betterpickers/hmspicker/ HmsPickerBuilder.java com/bumptech/glide/load/resource/gif/Byte BufferGifDecoder.java com/bumptech/glide/load/resource/bitmap/ Downsampler.java com/bumptech/glide/load/resource/bitmap/ HardwareConfigState.java com/codetroopers/betterpickers/expirationp icker/ExpirationPickerBuilder.java com/bumptech/glide/manager/RequestTrack er.java com/bumptech/glide/load/engine/SourceGe nerator.java com/bumptech/glide/load/data/HttpUrlFetch er.java com/codetroopers/betterpickers/radialtimep icker/CircleView.java com/codetroopers/betterpickers/recurrence picker/EventRecurrence.java com/bumptech/glide/load/resource/bitmap/ VideoDecoder.java com/bumptech/glide/load/model/StreamEnc oder.java com/bumptech/glide/load/model/StreamEnc oder.java com/bumptech/glide/load/resource/bitmap/ |

| NO | ISSUE | SEVERITY | STANDARDS | com/github/machinarius/preferencefragmen t/PreferenceManagerCompat.java |
|----|-------|----------|-----------|---|
| | | | | com/bumptech/glide/load/data/AssetPathFet cher.java com/bumptech/glide/request/target/Custom ViewTarget.java com/bumptech/glide/manager/RequestMana gerFragment.java com/codetroopers/betterpickers/radialtimep icker/RadialPickerLayout.java com/bumptech/glide/signature/ApplicationV ersionSignature.java me/zhanghai/android/materialprogressbar/ MaterialProgressBar.java com/codetroopers/betterpickers/radialtimep icker/AmPmCirclesView.java com/bumptech/glide/load/engine/DecodePa th.java com/codetroopers/betterpickers/radialtimep icker/RadialTimePickerDialogFragment.java com/codetroopers/betterpickers/radialtimep icker/RadialSelectorView.java com/codetroopers/betterpickers/radialtimep icker/RadialTextsView.java com/bumptech/glide/load/model/ByteBuffer Encoder.java com/bumptech/glide/load/engine/cache/Me morySizeCalculator.java com/bumptech/glide/Glide.java com/bumptech/glide/Glide.java com/bumptech/glide/Ioad/engine/cache/Me morySizeCalculator.java com/bumptech/glide/manager/DefaultConne ctivityMonitorFactory.java com/bumptech/glide/manager/DefaultConne ctivityMonitorFactory.java com/bumptech/glide/load/engine/GlideExce ption.java com/codetroopers/betterpickers/timezonepi cker/TimeZoneInfo.java com/gelakinetic/mtgfam/helpers/LookupAllP |

| | | | | nces rest. java |
|----|---|----------|--|---|
| NO | ISSUE | SEVERITY | STANDARDS CWE: CWE 533: Insertion of Sonsitive | FOR Edumptech/glide/load/data/mediastore/ ThumbFetcher.java |
| 1 | The App logs information. Sensitive information should never be logged. | info | CWF: CWF-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3 | com/bumptech/glide/gifdecoder/StandardGif Decoder.java com/bumptech/glide/load/resource/bitmap/ BitmaplmageDecoderResourceDecoder.java com/bumptech/glide/util/ContentLengthInpu tStream.java com/bumptech/glide/load/engine/executor/ GlideExecutor.java com/bumptech/glide/load/engine/cache/Dis kLruCacheWrapper.java com/bumptech/glide/load/resource/bitmap/ BitmapEncoder.java com/bumptech/glide/request/SingleRequest. java com/afollestad/materialdialogs/internal/MD TintHelper.java com/bumptech/glide/load/resource/bitmap/ TransformationUtils.java com/bumptech/glide/manager/DefaultConne ctivityMonitor.java com/codetroopers/betterpickers/timezonepi cker/TimeZonePickerUtils.java com/bumptech/glide/load/engine/bitmap_re cycle/LruBitmapPool.java com/codetroopers/betterpickers/recurrence picker/RecurrencePickerDialogFragment.java com/codetroopers/betterpickers/numberpic ker/NumberPickerBuilder.java com/codetroopers/betterpickers/numberpic ker/NumberPickerBuilder.java com/bumptech/glide/load/engine/prefill/Bit mapPreFillRunner.java com/bumptech/glide/load/model/ResourceL oader.java com/afollestad/materialdialogs/MaterialDial og.java com/bumptech/glide/module/ManifestParse r.java com/bumptech/glide/load/model/ByteBuffer FileLoader.java |

| epicker/Calendar ava com/bumptech/s ThumbnailStrear com/bumptech/s java com/bumptech/s gerRetriever.java com/bumptech/s duleImpl.java com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD com/bumptech/s rawableEncoder. com/bumptech/s pefaultImageHec com/bumptech/s mGifDecoder.java com/bumptech/s estManagerFrag com/bumptech/s estManagerFrag com/bumptech/s estManagerFrag com/bumptech/s get.java | |
|---|-----------------------------|
| ava com/bumptech/g ThumbnailStrear com/bumptech/g .java com/bumptech/g gerRetriever,java com/bumptech/g duleimpl.java com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g mGifDecoder.java com/bumptech/g estManagerFragi com/bumptech/g estManagerFragi com/bumptech/g gestJava | s/betterpickers/calendardat |
| com/bumptech/g ThumbnailStrear com/bumptech/g .java com/bumptech/g gerRetriever.java com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder, com/bumptech/g rawableEncoder, com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFrag com/bumptech/g estManagerFrag com/bumptech/g get.java | DatePickerDialogFragment.j |
| ThumbnailStrear com/bumptech/g java com/bumptech/g gerRetriever.java com/bumptech/g duleImpl.java com/codetroope TimePickerBuild com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g rawableEncoder. com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFrag com/bumptech/g her.java com/bumptech/g her.java | |
| com/bumptech/g java com/bumptech/g gerRetriever.java com/bumptech/g duleImpl.java com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragr com/bumptech/g her.java com/bumptech/g her.java com/bumptech/g get.java | lide/load/data/mediastore/ |
| .java com/bumptech/g gerRetriever.java com/bumptech/g dulelmpl.java com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHe; com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragr com/bumptech/g estManagerFragr com/bumptech/g get.java | |
| com/bumptech/g gerRetriever.java com/bumptech/g duleImpl.java com/codetroope TimePickerBuilog com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFraga com/bumptech/g her.java com/bumptech/g get.java | lide/load/model/FileLoader |
| gerRetriever.java com/bumptech/g duleImpl.java com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragi com/bumptech/g estManagerFragi com/bumptech/g get.java | l' l . / /D |
| duleImpl.java com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragr com/bumptech/g her.java com/bumptech/g get.java | lide/manager/RequestMana |
| com/codetroope TimePickerBuilde com/codetroope cker/TimeZoneD. com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragr com/bumptech/g her.java com/bumptech/g get.java | lide/GeneratedAppGlideMo |
| com/codetroope cker/TimeZoneD com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragi com/bumptech/g estManagerFragi com/bumptech/g get.java | s/betterpickers/timepicker/ |
| cker/TimeZoneD. com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragi com/bumptech/g her.java com/bumptech/g get.java | r.java |
| com/bumptech/g rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFrag com/bumptech/g her.java com/bumptech/g get.java | s/betterpickers/timezonepi |
| rawableEncoder. com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragr com/bumptech/g her.java com/bumptech/g get.java | • |
| com/bumptech/g DefaultImageHea com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragr com/bumptech/g her.java com/bumptech/g get.java | lide/load/resource/gif/GifD |
| DefaultImageHeacom/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragi com/bumptech/g her.java com/bumptech/g get.java | |
| com/bumptech/g mGifDecoder.jav com/bumptech/g estManagerFragi com/bumptech/g her.java com/bumptech/g get.java | lide/load/resource/bitmap/ |
| mGifDecoder.jav com/bumptech/g estManagerFragi com/bumptech/g her.java com/bumptech/g get.java | • |
| com/bumptech/g estManagerFragi com/bumptech/g her.java com/bumptech/g get.java | _ |
| estManagerFragi com/bumptech/g her.java com/bumptech/g get.java | ilide/manager/SupportRequ |
| com/bumptech/g her.java com/bumptech/g get.java | |
| her.java com/bumptech/g | lide/load/data/LocalUriFetc |
| get.java | |
| | lide/request/target/ViewTar |
| com/humntech/s | |
| | lide/gifdecoder/GifHeaderP |
| arser.java | |
| | roid/materialprogressbar/B |
| aseProgressLaye | • |
| | s/betterpickers/timezonepi |
| | terTypeAdapter.java |
| ecoderResourcel | lide/load/resource/ImageD |
| | s/betterpickers/calendardat |
| epicker/DayPicke | |
| | lide/load/engine/executor/ |
| RuntimeCompat. | |

| NO | ISSUE | SEVERITY | STANDARDS | FJL-F-Sodetroopers/betterpickers/datepicker/ DatePickerDialogFragment.java |
|----|--|----------|---|--|
| 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 | org/jsoup/helper/W3CDom.java com/gelakinetic/mtgfam/fragments/dialogs/ LcPlayerDialogFragment.java com/gelakinetic/mtgfam/fragments/LifeCoun terFragment.java com/gelakinetic/mtgfam/fragments/dialogs/ FamiliarDialogFragment.java com/nytimes/android/external/store3/base/i mpl/BarCode.java com/gelakinetic/mtgfam/fragments/DeckCou nterFragment.java com/bumptech/glide/load/Option.java com/codetroopers/betterpickers/hmspicker/ HmsPickerDialogFragment.java com/gelakinetic/mtgfam/fragments/RulesFra gment.java com/codetroopers/betterpickers/timepicker/ TimePickerDialogFragment.java com/gelakinetic/mtgfam/fragments/dialogs/ DecklistDialogFragment.java io/reactivex/internal/schedulers/SchedulerPo olFactory.java com/codetroopers/betterpickers/expirationp icker/ExpirationPickerDialogFragment.java com/gelakinetic/mtgfam/fragments/dialogs/ ResultListDialogFragment.java com/gelakinetic/mtgfam/fragments/dialogs/ ResultListDialogFragment.java com/gelakinetic/mtgfam/fragments/lailogs/ ResultListDialogFragment.java com/bumptech/glide/load/engine/ResourceC acheKey.java com/gelakinetic/mtgfam/helpers/tcgp/TcgpA pi.java org/jsoup/nodes/DocumentType.java com/gelakinetic/mtgfam/fragments/Gatherin gsFragment.java com/gelakinetic/mtgfam/fragments/Gatherin gsFragment.java com/gelakinetic/mtgfam/fragments/Gatherin gsFragment.java |

| NO | ISSUE | SEVERITY | STANDARDS | com/bumptech/glide/manager/RequestMana getresriever.java com/gelakinetic/mtgfam/fragments/SearchVi ewFragment.java com/bumptech/glide/load/engine/DataCache Key.java com/gelakinetic/mtgfam/fragments/dialogs/ WishlistDialogFragment.java |
|----|--|----------|--|---|
| 3 | 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/C ardDbAdapter.java com/gelakinetic/mtgfam/helpers/database/D atabaseManager.java com/gelakinetic/mtgfam/helpers/database/D atabaseHelper.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/FamiliarLo gger.java com/gelakinetic/mtgfam/fragments/CardVie wFragment.java com/gelakinetic/mtgfam/helpers/ZipUtils.jav a com/gelakinetic/mtgfam/helpers/updaters/D bUpdaterService.java |
| 5 | 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/MoJhoSt oFragment.java com/gelakinetic/mtgfam/fragments/DiceFrag ment.java org/jsoup/helper/DataUtil.java com/gelakinetic/mtgfam/fragments/ResultLis tFragment.java |
| 6 | 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/CardVie wFragment.java com/gelakinetic/mtgfam/fragments/RulesFra gment.java com/gelakinetic/mtgfam/fragments/dialogs/ CardViewDialogFragment.java |

| NO | ISSUE | SEVERITY | STANDARDS | FILES |
|----|-----------------------|----------|--|---|
| 7 | IP Address disclosure | warning | CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2 | com/afollestad/materialdialogs/BuildConfig.j ava |

■ 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. |

| NO | IDENTIFIER | REQUIREMENT | FEATURE | DESCRIPTION |
|----|-------------------|--|--|--|
| 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. |
| 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. |

Q DOMAIN MALWARE CHECK

| DOMAIN | STATUS | GEOLOCATION |
|--------|--------|-------------|
|--------|--------|-------------|

| 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 |
| magiccards.info | ok | IP: 172.67.184.114 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map |
| creativecommons.org | ok | IP: 172.67.34.140 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map |
| api.tcgplayer.com | ok | IP: 52.44.197.126 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map |

| DOMAIN | STATUS | GEOLOCATION |
|----------------------|--------|--|
| www.wizards.com | ok | IP: 23.42.206.160 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 |
| 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 |

| DOMAIN | STATUS | GEOLOCATION |
|---------------------------|--------|---|
| raw.githubusercontent.com | ok | IP: 185.199.111.133 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 |
| 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 |

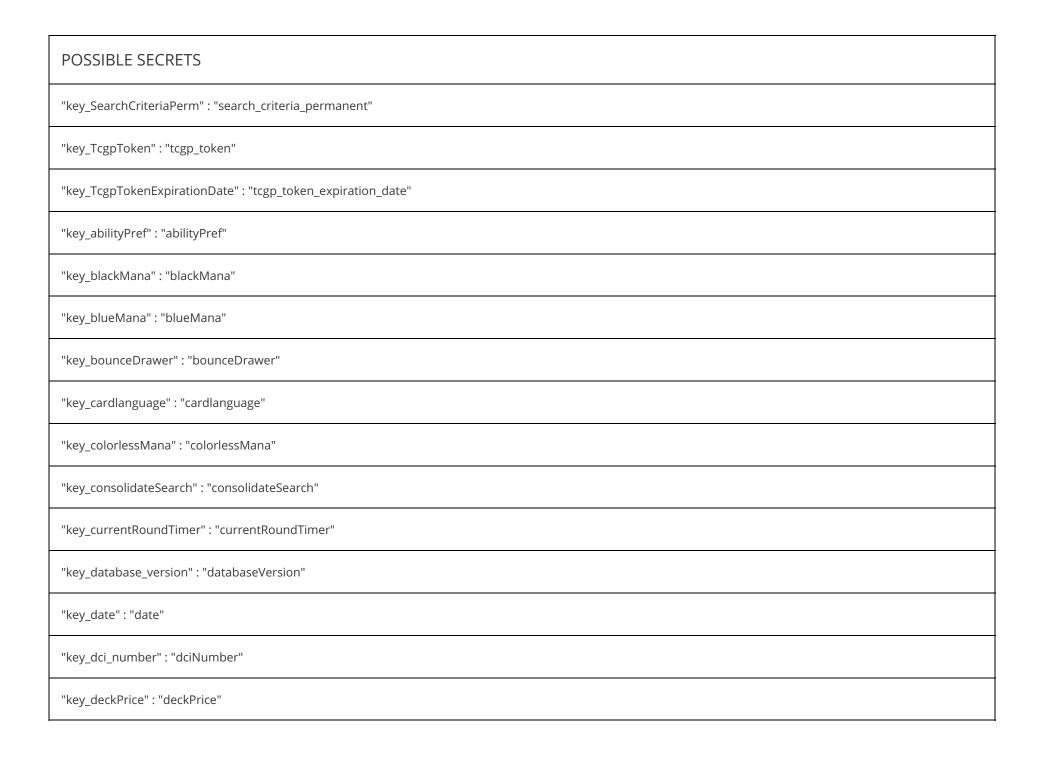
| DOMAIN | STATUS | GEOLOCATION |
|---------------|--------|---|
| tcgplayer.com | ok | IP: 192.230.74.118 Country: United States of America Region: California City: Redwood City Latitude: 37.532440 Longitude: -122.248833 View: Google Map |

EMAILS

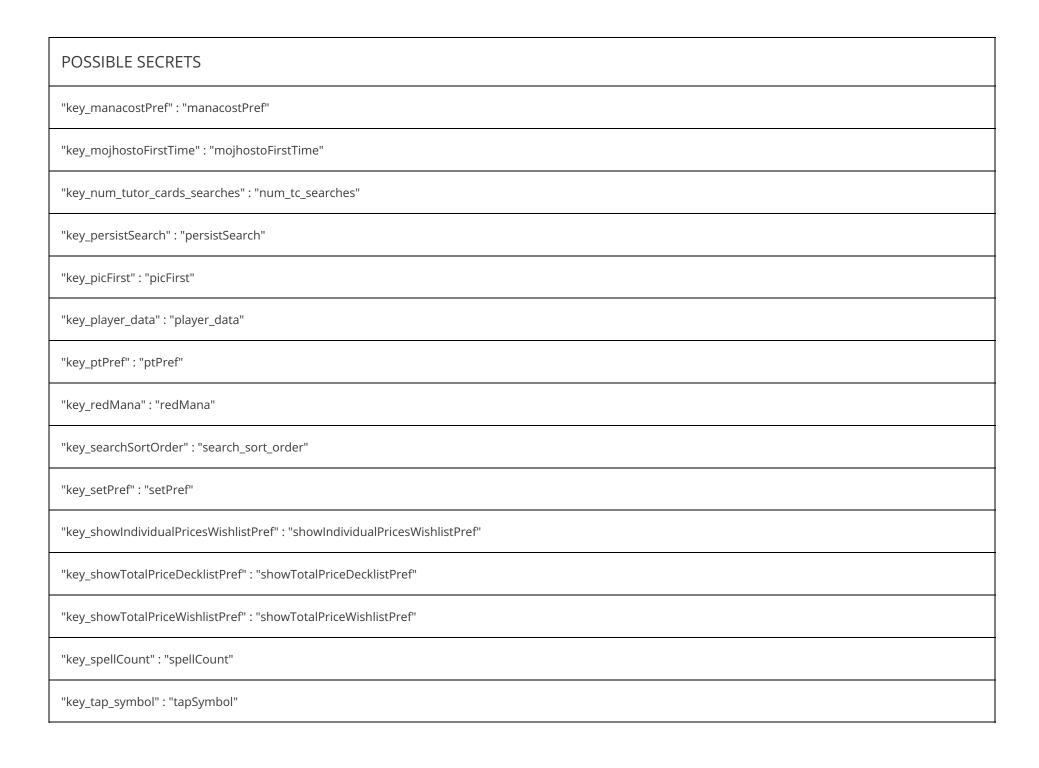
| EMAIL | FILE |
|------------------------|--|
| mtg.familiar@gmail.com | com/gelakinetic/mtgfam/helpers/FamiliarLogger.java |
| mtg.familiar@gmail.com | Android String Resource |

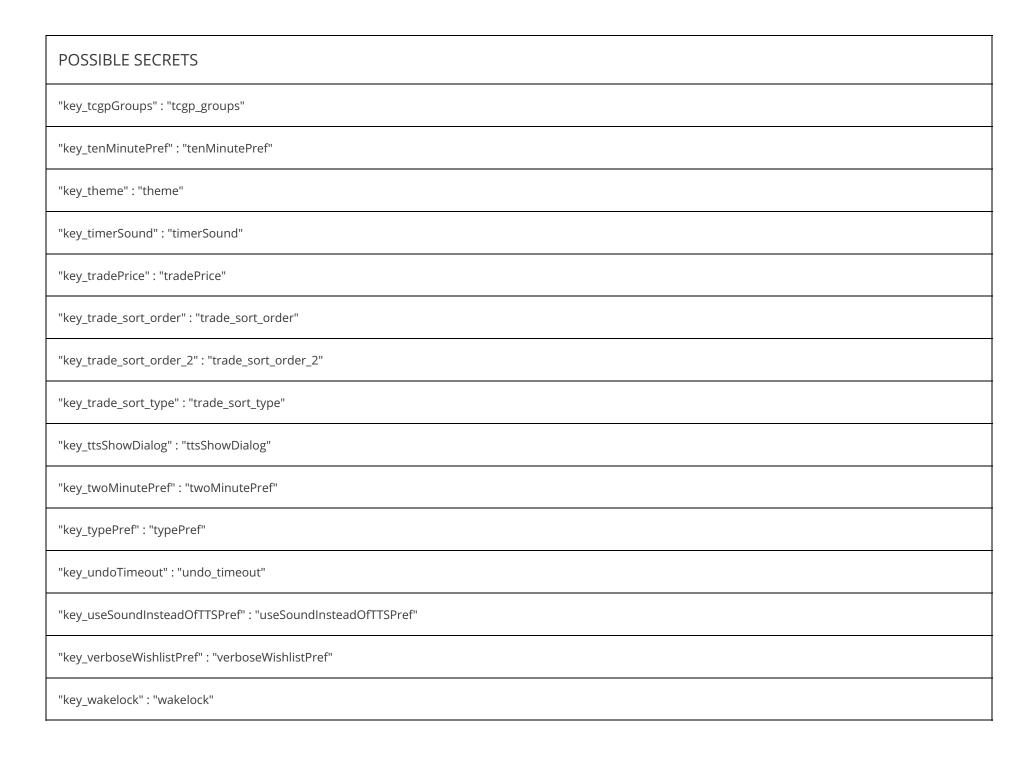
₽ HARDCODED SECRETS

| POSSIBLE SECRETS |
|---|
| "key_LastDecklistLoaded" : "last_decklist_loaded" |
| "key_LastTradeLoaded" : "last_trade_loaded" |
| "key_SearchCriteria" : "search_criteria" |









| POSSIBLE SECRETS |
|---|
| "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.

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