

#### ANDROID STATIC ANALYSIS REPORT



#### Parental Control Kroha (3.10.4)

File Name: Parental Control Kroha\_merged.apk

Package Name: ua.com.tim\_berners.parental\_control

Scan Date: Aug. 11, 2024, 4:20 p.m.

| Α   | 0     | 2.0   | 0     |
|-----|-------|-------|-------|
| Ann | 26CII | ITITV | Score |

# **51/100 (MEDIUM RISK)**

Grade:

B

**Trackers Detection:** 

3/432

# ♣ FINDINGS SEVERITY

| 兼 HIGH | <b>▲</b> MEDIUM | <b>i</b> INFO | ✓ SECURE | <b>ℚ</b> HOTSPOT |
|--------|-----------------|---------------|----------|------------------|
| 2      | 23              | 2             | 2        | 1                |



**File Name:** Parental Control Kroha\_merged.apk **Size:** 16.0MB

MD5: eb38efc63f453d053df9c03b3a72920f

SHA1: b241c26cd8aa0c9f9aea23f426d4fac513525612

**SHA256**: 87bc0a6597ec50e3f66d1df1fc1249bb8003b5e26dd0919ace76a0f86c2cbe99

#### **i** APP INFORMATION

App Name: Parental Control Kroha

Package Name: ua.com.tim\_berners.parental\_control

Main Activity: ua.com.tim\_berners.parental\_control.ui.main.SplashActivity

Target SDK: 33 Min SDK: 21 Max SDK:

Android Version Name: 3.10.4 Android Version Code: 770



Activities: 23 Services: 31

Receivers: 15 Providers: 3

Exported Activities: 5
Exported Services: 4
Exported Receivers: 3
Exported Providers: 0



Binary is signed

v1 signature: False

v2 signature: False

v3 signature: False

v4 signature: False

X.509 Subject: C=US, ST=California, L=Mountain View, O=Google Inc., OU=Android, CN=Android

Signature Algorithm: rsassa\_pkcs1v15 Valid From: 2018-05-04 23:22:23+00:00 Valid To: 2048-05-04 23:22:23+00:00

 $Issuer: C=US, ST=California, L=Mountain \ View, O=Google \ Inc., OU=Android, CN=Android, CN=Android,$ 

Serial Number: 0xd493b73097d2d501438c8809014af67c77e605f7

Hash Algorithm: sha256

md5: 17ab6742740ca271937b6dfe7b920ad0

sha1: 963df8ea187726188cdf1fe179ec81553c4a41b9

sha256: 45df3b0b988b0f7724730c0759f9ff33a23257c35550f9837b59dbd6b210cdef

PublicKey Algorithm: rsa

Bit Size: 4096

Fingerprint: 317c58e0e82e78b7d48251cf6c3da9384249a90ba813f75d142b198ac20d4d64

Found 1 unique certificates

#### **⋮** APPLICATION PERMISSIONS

| PERMISSION  | STATUS    | INFO                            | DESCRIPTION   |
|---|-----------|---------------------------------|---|
| android.permission.ACCESS_WIFI_STATE              | normal    | view Wi-Fi status               | Allows an application to view the information about the status of Wi-Fi.  |
| android.permission.BROADCAST_CLOSE_SYSTEM_DIALOGS | unknown   | Unknown permission              | Unknown permission from android reference   |
| android.permission.READ_CONTACTS                  | dangerous | read contact data               | Allows an application to read all of the contact (address) data stored on your phone. Malicious applications can use this to send your data to other people.  |
| android.permission.READ_PRIVILEGED_PHONE_STATE    | unknown   | Unknown permission              | Unknown permission from android reference   |
| android.permission.WRITE_CONTACTS                 | dangerous | write contact data              | Allows an application to modify the contact (address) data stored on your phone. Malicious applications can use this to erase or modify your contact data.  |
| android.permission.READ_EXTERNAL_STORAGE          | dangerous | read external storage contents  | Allows an application to read from external storage.  |
| android.permission.INTERNET                       | normal    | full Internet access            | Allows an application to create network sockets.  |
| android.permission.CAMERA                         | dangerous | take pictures and videos        | Allows application to take pictures and videos with the camera. This allows the application to collect images that the camera is seeing at any time.  |
| android.permission.WAKE_LOCK                      | normal    | prevent phone from sleeping     | Allows an application to prevent the phone from going to sleep.   |
| android.permission.ACCESS_NETWORK_STATE           | normal    | view network status             | Allows an application to view the status of all networks.   |
| android.permission.RECEIVE_BOOT_COMPLETED         | normal    | automatically start at boot     | Allows an application to start itself as soon as the system has finished booting. This can make it take longer to start the phone and allow the application to slow down the overall phone by always running.   |
| com.google.android.c2dm.permission.RECEIVE        | normal    | recieve push notifications      | Allows an application to receive push notifications from cloud.   |
| android.permission.ACCESS_COARSE_LOCATION         | dangerous | coarse (network-based) location | Access coarse location sources, such as the mobile network database, to determine an approximate phone location, where available. Malicious applications can use this to determine approximately where you are. |
| android.permission.ACCESS_FINE_LOCATION           | dangerous | fine (GPS) location             | Access fine location sources, such as the Global Positioning System on the phone, where available. Malicious applications can use this to determine where you are and may consume additional battery power.     |

| PERMISSION  | STATUS    | INFO  | DESCRIPTION  |
|---|-----------|---|--|
| android.permission.BIND_ACCESSIBILITY_SERVICE             | signature | required by AccessibilityServices for system binding. | Must be required by an AccessibilityService, to ensure that only the system can bind to it.  |
| android.permission.SYSTEM_ALERT_WINDOW                    | dangerous | display system-level alerts                           | Allows an application to show system-alert windows. Malicious applications can take over the entire screen of the phone.   |
| com.android.vending.BILLING                               | normal    | application has in-app purchases                      | Allows an application to make in-app purchases from Google Play.   |
| android.permission.FOREGROUND_SERVICE                     | normal    | enables regular apps to use Service.startForeground.  | Allows a regular application to use Service.startForeground.   |
| android.permission.ACCESS_NOTIFICATION_POLICY             | normal    | marker permission for accessing notification policy.  | Marker permission for applications that wish to access notification policy.  |
| android.permission.VIBRATE                                | normal    | control vibrator                                      | Allows the application to control the vibrator.  |
| android.permission.REQUEST_DELETE_PACKAGES                | normal    | enables an app to request package deletions.          | Allows an application to request deleting packages.  |
| android.permission.ACCESS_BACKGROUND_LOCATION             | dangerous | access location in background                         | Allows an app to access location in the background.  |
| android.permission.READ_PHONE_STATE                       | dangerous | read phone state and identity                         | Allows the application to access the phone features of the device. An application with this permission can determine the phone number and serial number of this phone, whether a call is active, the number that call is connected to and so on.                           |
| android.permission.QUERY_ALL_PACKAGES                     | normal    | enables querying any normal app on the device.        | Allows query of any normal app on the device, regardless of manifest declarations.   |
| oppo.permission.OPPO_COMPONENT_SAFE                       | signature | permission specific to OPPO devices                   | It is used to grant apps the ability to access certain system-<br>level features or components that are otherwise restricted for<br>security reasons. This permission ensures that only trusted<br>applications can interact with sensitive parts of the OPPO<br>system.   |
| com.huawei.permission.external_app_settings.USE_COMPONENT | signature | permission specific to Huawei devices                 | It is used to grant apps the ability to access certain system-<br>level features or components that are otherwise restricted for<br>security reasons. This permission ensures that only trusted<br>applications can interact with sensitive parts of the Huawei<br>system. |
| com.google.android.gms.permission.AD_ID                   | normal    | application shows advertisements                      | This app uses a Google advertising ID and can possibly serve advertisements.   |
| android.permission.POST_NOTIFICATIONS                     | dangerous | allows an app to post notifications.                  | Allows an app to post notifications  |
| android.permission.READ_MEDIA_IMAGES                      | dangerous | allows reading image files from external storage.     | Allows an application to read image files from external storage.   |

| PERMISSION   | STATUS    | INFO  | DESCRIPTION  |
|--|-----------|---|--|
| android.permission.SCHEDULE_EXACT_ALARM                                      | normal    | permits exact alarm scheduling for background work.                           | Allows an app to use exact alarm scheduling APIs to perform timing sensitive background work.  |
| android.permission.USE_BIOMETRIC   | normal    | allows use of device-supported biometric modalities.                          | Allows an app to use device supported biometric modalities.  |
| android.permission.RECORD_AUDIO  | dangerous | record audio  | Allows application to access the audio record path.  |
| android.permission.PACKAGE_USAGE_STATS                                       | signature | update component usage statistics   | Allows the modification of collected component usage statistics. Not for use by common applications.   |
| android.permission.REQUEST_IGNORE_BATTERY_OPTIMIZATIONS                      | normal    | permission for using<br>Settings.ACTION_REQUEST_IGNORE_BATTERY_OPTIMIZATIONS. | Permission an application must hold in order to use Settings.ACTION_REQUEST_IGNORE_BATTERY_OPTIMIZATIONS.  |
| android.permission.USE_FINGERPRINT   | normal    | allow use of fingerprint  | This constant was deprecated in API level 28. Applications should request USE_BIOMETRIC instead.   |
| com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE       | normal    | permission defined by google  | A custom permission defined by Google.   |
| android.permission.ACCESS_ADSERVICES_ATTRIBUTION                             | normal    | allow applications to access advertising service attribution                  | This enables the app to retrieve information related to advertising attribution, which can be used for targeted advertising purposes. App can gather data about how users interact with ads, such as clicks or impressions, to measure the effectiveness of advertising campaigns. |
| android.permission.ACCESS_ADSERVICES_AD_ID                                   | normal    | allow app to access the device's advertising ID.                              | This ID is a unique, user-resettable identifier provided by Google's advertising services, allowing apps to track user behavior for advertising purposes while maintaining user privacy.   |
| ua.com.tim_berners.parental_control.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION | unknown   | Unknown permission  | Unknown permission from android reference  |

# ক্ল APKID ANALYSIS

| FILE |
|------|
|------|

| FILE         | DETAILS         |  |  |
|--------------|-----------------|--|--|
|              | FINDINGS        | DETAILS  |  |
|              | Anti-VM Code    | Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check SIM operator check network operator name check ro.hardware check ro.kernel.qemu check possible VM check |  |
| classes.dex  | Anti Debug Code | Debug.isDebuggerConnected() check  |  |
|              | Compiler        | r8 without marker (suspicious)   |  |
|              |                 |  |  |
|              | FINDINGS        | DETAILS  |  |
| classes2.dex | Anti-VM Code    | Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.BOARD check possible Build.SERIAL check subscriber ID check   |  |
|              | Compiler        | r8 without marker (suspicious)   |  |



| ACTIVITY  | INTENT                            |
|---|-----------------------------------|
| ua.com.tim_berners.parental_control.ui.main.MainActivity    | Schemes: parentalcontrolkroha://, |
| ua.com.tim_berners.parental_control.ui.main.BlockedActivity | Schemes: parentalcontrolkroha://, |
| ua.com.tim_berners.parental_control.ui.main.SplashActivity  | Schemes: parentalcontrolkroha://, |

#### **△** NETWORK SECURITY

| NO | SCOPE | SEVERITY | DESCRIPTION |
|----|-------|----------|-------------|
|    |       |          |             |

#### **CERTIFICATE ANALYSIS**

HIGH: 0 | WARNING: 0 | INFO: 1

| TITLE              | SEVERITY | DESCRIPTION   |
|--------------------|----------|---|
| Signed Application | info     | Application is signed with a code signing certificate |

# **Q** MANIFEST ANALYSIS

HIGH: 1 | WARNING: 13 | INFO: 0 | SUPPRESSED: 0

| NO | ISSUE  | SEVERITY | DESCRIPTION   |
|----|--|----------|---|
| 1  | App can be installed on a vulnerable upatched Android version<br>Android 5.0-5.0.2, [minSdk=21]                    | high     | This application can be installed on an older version of android that has multiple unfixed vulnerabilities. These devices won't receive reasonable security updates from Google. Support an Android version => 10, API 29 to receive reasonable security updates. |
| 2  | Activity (ua.com.tim_berners.parental_control.ui.auth.LoginActivity) is not Protected. [android:exported=true]     | 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.   |
| 3  | Activity (ua.com.tim_berners.parental_control.ui.auth.AutoLoginActivity) is not Protected. [android:exported=true] | 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.   |
| 4  | Activity (ua.com.tim_berners.parental_control.ui.main.MainActivity) is not Protected. [android:exported=true]      | 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.   |

| NO | ISSUE  | SEVERITY | DESCRIPTION  |
|----|--|----------|--|
| 5  | Activity (ua.com.tim_berners.parental_control.ui.main.BlockedActivity) is not Protected. [android:exported=true]   | 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.  |
| 6  | Activity (ua.com.tim_berners.parental_control.ui.main.EyeProtectionBlockActivity) is not Protected. [android:exported=true]  | 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.  |
| 7  | Service (ua.com.tim_berners.parental_control.service.DeviceOwnerService) is Protected by a permission, but the protection level of the permission should be checked.  Permission: android.permission.BIND_DEVICE_ADMIN [android:exported=true]         | warning  | A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.            |
| 8  | Service (ua.com.tim_berners.parental_control.service.vpn.netguard.ServiceSinkhole) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_VPN_SERVICE [android:exported=true] | warning  | A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.            |
| 9  | Broadcast Receiver (ua.com.tim_berners.parental_control.service.ConnectReceiver) is not Protected. [android:exported=true]   | 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.   |
| 10 | Service (androidx.work.impl.background.systemjob.SystemJobService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]                 | warning  | A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.            |
| 11 | Broadcast Receiver (androidx.work.impl.diagnostics.DiagnosticsReceiver) is Protected by a permission, but the protection level of the permission should be checked.  Permission: android.permission.DUMP [android:exported=true]                       | 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. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission. |
| 12 | Service<br>(com.google.android.play.core.assetpacks.AssetPackExtractionService) is<br>not Protected.<br>[android:exported=true]  | warning  | A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.  |
| 13 | Broadcast Receiver (com.google.firebase.iid.FirebaseInstanceIdReceiver) is Protected by a permission, but the protection level of the permission should be checked.  Permission: com.google.android.c2dm.permission.SEND  [android:exported=true]      | 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. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission. |

| NO | ISSUE  | SEVERITY | DESCRIPTION   |
|----|--|----------|---|
| 14 | High Intent Priority (999)<br>[android:priority] | warning  | By setting an intent priority higher than another intent, the app effectively overrides other requests. |

# </> CODE ANALYSIS

HIGH: 1 | WARNING: 8 | INFO: 2 | SECURE: 2 | SUPPRESSED: 0

| NO | ISSUE | SEVERITY | STANDARDS | FILES   |
|----|-------|----------|-----------|---|
|    |       |          |           | a1/d.java<br>a6/g.java<br>a8/b.java   |
|    |       |          |           | ag/p.java<br>b1/a.java  |
|    |       |          |           | b2/c.java<br>b2/e.java<br>b8/c.java   |
|    |       |          |           | borc.java<br>butterknife/ButterKnife.java<br>c2/h.java  |
|    |       |          |           | c2/i.java<br>c2/k.java  |
|    |       |          |           | c2/q.java<br>c2/z.java  |
|    |       |          |           | c4/b.java<br>c7/g.java<br>com/appsflyer/api/PurchaseClient.java   |
|    |       |          |           | com/appsflyer/internal/AFb1vSDK.java<br>com/appsflyer/internal/AFc1qSDK.java                            |
|    |       |          |           | com/appsflyer/internal/AFf1hSDK.java<br>com/appsflyer/internal/AFf1jSDK.java                            |
|    |       |          |           | com/appsflyer/internal/AFf1kSDK.java<br>com/appsflyer/internal/AFg1jSDK.java                            |
|    |       |          |           | com/bumptech/glide/b.java<br>com/bumptech/glide/load/data/b.java<br>com/bumptech/glide/load/data/j.java |
|    |       |          |           | com/bumptech/glide/load/data/l.java<br>com/bumptech/glide/manager/e.java                                |
|    |       |          |           | com/bumptech/glide/manager/p.java<br>com/bumptech/glide/manager/q.java                                  |
|    |       |          |           | com/miui/referrer/commons/LogUtils.java<br>d2/i.java<br>d2/k.java                                       |
|    |       |          |           | d4/g.java<br>d4/p.java  |
|    |       |          |           | d4/q.java<br>d5/a.java  |
|    |       |          |           | dc/b.java<br>dc/d.java  |
|    |       |          |           | df/c7.java<br>df/i1.java<br>df/p.java   |

| NO | ISSUE   | SEVERITY | STANDARDS  | e1/b.java <b>F1/LF5</b> va  |
|----|---|----------|--|---|
| 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 | e2/Ljava e3/K,java f1/m0.java f2/a.java f5/a.java f5/a.java f5/a.java f5/d.java f5/d.java f5/d.java g2/c.java g2/c.java g2/c.java g2/L.java is/github/dreierf/materialintroscreen/widgets/CustomViewPager.ja io/github/inflationx/calligraphy3/ReflectionUtils.java io/github/inflationx/calligraphy3/TypefaceUtils.java io/realm/internal/OsRealmConfig.java io/realm/internal/f.java io/realm/mongodb/sync/Sync.java io/realm/mongodb/sync/SyncSession.java j2/a0.java j2/a0.java j2/f.java j2/f.java j2/f.java j2/f.java j2/r.java j2/r.java j2/r.java j2/r.java j3/r.java j4/f.java j4/f.java j4/f.java j4/f.java j4/f.java j8/f.java n/d.java |

| NO SSUE SEVERITY STANDARDS (PLESS)  - PLESSON (1974) June 1 (2014) June  |    |       |          |           | o9/u.java       |
|--|----|-------|----------|-----------|-----------------|
| DZZ jama   GZ    | NO | ISSUE | SEVERITY | STANDARDS | <b>₽₱ĽÆ</b> Sva |
| qDirityon frigine gibrityon frigine Gibrityon  |    |       |          |           | p2/d.java       |
| q Grid Java Fra Java  |    |       |          |           | q3/a.java       |
| for July July 2017. Ju |    |       |          |           |                 |
| (27/java 57/java 104/java 105/java  |    |       |          |           |                 |
| ### STAL PLANT OF THE PROPERTY |    |       |          |           |                 |
| oble java  (SPC-jova  UZI-jova  UZI- |    |       |          |           |                 |
| (SPC_jawa USPc_jawa  |    |       |          |           | t0/d.iava       |
| uSria_jawa vSria_jawa vSria_ja    |    |       |          |           |                 |
| រន់ក៏គ្រង់ខា រប់រំកៀរខា រប់រកៀរខា រប់រំកៀរខា រប់រកៀរខា រប់រំកៀរខា រប់របំរំកមា របប់រំក្សៀរខា របប់រំកៀរខា របប់របប់របប់របប់របប់របប់របប់របប់របប់របប  |    |       |          |           |                 |
| Listf, java USFr, java |    |       |          |           |                 |
| u.3/n.java u.3/s.java v.3/s.java  |    |       |          |           |                 |
| u Styl java v Styl |    |       |          |           |                 |
| U.3/S.java U.3/S.java U.3/S.java U.3/S.java U.3/S.java U.3/S.java U.3/S.java U.3/S.java U.3/Com/min_bemers/parental_control/billing/BillingManager.java U.3/Com/min_bemers/parental_control/service/yee_protection/C.amer aSource/Preview.java U.3/Com/min_bemers/parental_control/service/yee_protection/C.amer u.3/Com/min_bemers/parental_control/service/yee_protection/C.amer u.3/Com/min_bemers/parental_control/service/yee_protection/C.amer u.3/Com/min_bemers/parental_control/service/yee_protection/C.amer u.3/Com/min_bemers/parental_control/service/yee/parental_control/service/yee/parental_control/service/yee/parental_control/service/yee/parental_control/service/yee/parental_control/service/yee/parental_control/service/yee/parental_control |    |       |          |           | u3/n java       |
| USCLJAVA UBCKLJAVA UBCKLJA |    |       |          |           |                 |
| us/com/tim_berners/parental_control/hilling/BillingManager_java ua/com/tim_berners/parental_control/service/eye_protection/Camer aSource/Perview.java ua/com/tim_berners/parental_control/service/eye_protection/Camer aSource/Perview.java ua/com/tim_berners/parental_control/service/profinetguard/ServiceS inkhole_java ua/com/tim_berners/parental_control/service/profinetguard/ServiceS inkhole_java voor_java  |    |       |          |           |                 |
| ua/comtrim_benners/parental_control/biling/fil |    |       |          |           |                 |
| ua/com/rdm_bemers/parental_control/service/sye_protection/Camer a5ource/preview]avava ua/com/rdm_bemers/parental_control/service/pyn/netguard/ServiceS inkhole_java ua/com/rdm_bemers/parental_control/val/category/contacts/Contacts Fragment_java v0r_java v0r_java v0r_java v0r_java v0r_java v0r_java v0r_java var_java va |    |       |          |           |                 |
| aSourceFreview_java ular/com/lim_berners/parental_control/service/vpn/netguard/ServiceS inShole_java ular/com/lim_berners/parental_control/ul/category/contacts/Contacts Fragment_java v0ro_java v1ro_java v1r |    |       |          |           |                 |
| ua/comtrim_berners/parental_control/service/yn/netguard/ServiceS inkhole_java ua/comtrim_berners/parental_control/ul/category/contacts/Contacts Fragment_java vi/or_java vi/or_j |    |       |          |           |                 |
| inkhole, java ua/com/fin, bemers/parental_control/ui/category/contacts/Contacts Fragment, java v/ic, java v/ic, java v/ic, java v/ic, java w/ic, java y/ic, java y/ic, java y/ic, java y/ic, java y/ic, java z/ic, java  |    |       |          |           |                 |
| ua/com/tim_berners/parental_control/ui/category/contacts/Fragmental_wav v0/c.java v0/c.java v0/c.java v0/c.java v0/c.java v0/c.java v4/d.java v4/d.java v4/d.java w2/a.java w4/f.java w6/f.java w6/f.java w6/f.java w6/f.java w6/f.java x6/d.java x6/d.java x6/d.java y1/c.java y1/c.java y1/c.java y1/c.java y1/c.java y1/c.java z0/h.java z1/a.java  |    |       |          |           |                 |
| Fragment, Java v0/r. java v0/r. java v0/r. java v0/r. java v0/r. java v0/r. java v2/r. java v2/r. java v2/r. java v2/r. java v2/r. java v6/r. java v6/r. java v6/r. java v6/r. java v6/r. java v7/r. java   |    |       |          |           |                 |
| \(\sigma\)  |    |       |          |           |                 |
| \( \text{VOL_java} \)  |    |       |          |           |                 |
| v0/v_java v0/v_java v0/v_java v3/n_java v4/d_java v4/d_java w1/java w2/a_java w3/m0_java w4/n_java w6/f_java w6/f_java x0/a_java x5/d_java y1/d_java y1/d_java y1/d_java y1/e_java z1/a_java z2/d_java z3/d_java z3/d_java z3/d_java   |    |       |          |           |                 |
| v0/y.java v3/n.java v4/d.java w/f.java w2/a.java w3/m0.java w4/n.java w6/f.java w6/f.java x0/a.java x5/d.java yf.lava y1/d.java y1/e.java y5/b.java z0/h.java z3/h0.java z3/h0.java z3/t.java z3/t.java z3/t.java  |    |       |          |           |                 |
| \\ \frac{\sqrt{3}\rightarrow{1}}{\sqrt{3}\rightarrow{2}}{\sqrt{4}\rightarrow{2}}{\sqrt{3}\rightarrow{2}}{\sqrt{4}2             |    |       |          |           | v0/u.java       |
| v4/d,java w/f;ava w/z/a,java w/z/a,java w/z/n,java w/f/n,java w/f/e,java w/f/e,java x/f,djava y/c,java y/c,java y/t,java y/t,java z/h,java z/h,java z/h,java z/h,java z/h,java z/ho,java z/ho,java z/s/d,java z/s/d,java z/s/d,java z/s/d,java z/s/g,java  |    |       |          |           |                 |
| w/f.java w/2/a.java w/2/a.java w/2/a.java w/4/n.java w/4/n.java w/6/f.java w/6/f.java x/6/a.java x/f.java y/f.java y/f.java y/f.java y/f.java z/h.java z/h.java z/h.java z/h.java z/l/a.java   |    |       |          |           |                 |
| w2/a.java w3/m0.java w4/n.java w4/n.java w6/f.java w8/e.java x0/a.java x5/d.java yf.c.java yf.d.java y1/e.java y1/e.java z5/b.java z0/h.java z1/a.java z3/n0.java z3/n0.java z3/n0.java z3/n.java z3/n.java  |    |       |          |           |                 |
| w3/m0,java w4/n,java w6/f,java w6/f,java w8/e,java x0/a,java x5/d,java yf.c,java yf.d,java y1/e,java y5/b,java 20/h,java z1/a,java z3/d0,java z3/d0,java z3/t,java z3/t,java z3/t,java   |    |       |          |           | w/f.java        |
| w4/n,java w6/f,java w8/e,java x0/a,java x5/d,java y/c,java y1/d,java y1/e,java y1/e,java z0/h,java z1/a,java z3/d0,java z3/h0,java z3/q,java z3/q,java z3/c,java   |    |       |          |           | w2/a.java       |
| w6/f.java w8/e.java x8/e.java x0/a.java x5/d.java y/c.java y/t.djava y/t/e.java y1/d.java y5/b.java z0/h.java z1/a.java z3/d0.java z3/n0.java z3/t.java z3/t.java z3/t.java  |    |       |          |           | w3/m0.java      |
| w6/f.java w8/e.java x8/e.java x0/a.java x5/d.java y/c.java y/t.djava y/t/e.java y1/d.java y5/b.java z0/h.java z1/a.java z3/d0.java z3/n0.java z3/t.java z3/t.java z3/t.java  |    |       |          |           | w4/n.java       |
| w8/e,java x0/a,java x5/d,java y/c,java y/t/d,java y1/e,java y5/b,java z0/h,java z1/a,java z3/d0,java z3/h0,java z3/h0,java z3/r,java z3/r,java   |    |       |          |           | w6/f.java       |
| x0/a.java x5/d.java y/c.java y/c.java y1/d.java y1/e.java y5/b.java z0/h.java z1/a.java z3/d0.java z3/h0.java z3/q.java z3/r.java z3/r.java  |    |       |          |           |                 |
| x5/d.java y/c.java y/l/e.java y/l/e.java y5/b.java z0/h.java z1/a.java z3/d0.java z3/h0.java z3/t.java z3/t.java   |    |       |          |           |                 |
| y/c.java y1/d.java y1/e.java y5/b.java z0/h.java z1/a.java z3/d0.java z3/h0.java z3/q.java z3/r.java z3/v.java   |    |       |          |           |                 |
| y1/d.java y1/e.java y5/b.java z0/h.java z1/a.java z3/d0.java z3/h0.java z3/h2.java z3/k.java z3/k.java z3/k.java   |    |       |          |           |                 |
| y1/e.java y5/b.java z0/h.java z1/a.java z3/d0.java z3/h0.java z3/h.java z3/h.java z3/t.java z3/t.java  |    |       |          |           |                 |
| y5/b.java z0/h.java z1/a.java z3/d0.java z3/h0.java z3/h.java z3/t.java z3/t.java z3/y.java  |    |       |          |           | y1/e.java       |
| z0/h.java z1/a.java z3/d0.java z3/h0.java z3/n,java z3/t.java z3/t.java z3/v.java z6/g.java  |    |       |          |           |                 |
| z1/a.java z3/d0.java z3/h0.java z3/q.java z3/r.java z3/r.java z3/r.java z3/v.java  |    |       |          |           |                 |
| z3/d0.java<br>z3/h0.java<br>z3/q.java<br>z3/t.java<br>z3/v.java<br>z6/g.java   |    |       |          |           | z1/a.java       |
| z3/h0.java<br>z3/q.java<br>z3/t.java<br>z3/v.java<br>z6/g.java   |    |       |          |           | z3/d0.iava      |
| z3/q.java<br>z3/t.java<br>z3/v.java<br>z6/g.java   |    |       |          |           | z3/h0.iava      |
| z3/t.java<br>z3/v.java<br>z6/g.java  |    |       |          |           |                 |
| z3/v.java<br>z6/g.java   |    |       |          |           |                 |
| z6/g.java  |    |       |          |           | 73/v iava       |
| 20/g,Java<br>26/o.java   |    |       |          |           |                 |
| 20/U-java  |    |       |          |           | 26/6 java       |
|  |    |       |          |           | zo/o.java       |

| NO | ISSUE  | SEVERITY | STANDARDS   | FILES   |
|----|--|----------|---|---|
| 2  | The App uses an insecure Random Number Generator.  | warning  | CWE: CWE-330: Use of Insufficiently Random Values<br>OWASP Top 10: M5: Insufficient Cryptography<br>OWASP MASVS: MSTG-CRYPTO-6                | com/appsflyer/internal/AFb1hSDK.java<br>com/appsflyer/internal/AFc1fSDK.java<br>com/appsflyer/internal/connector/purcahse/AFPurchaseConnectorA1<br>y.java<br>ob/a.java<br>ua/com/tim_berners/parental_control/ui/category/sounds/ListenVoic<br>eFragment.java |
| 3  | Files may contain hardcoded sensitive information like usernames, passwords, keys etc.   | warning  | CWE: CWE-312: Cleartext Storage of Sensitive Information<br>OWASP Top 10: M9: Reverse Engineering<br>OWASP MASVS: MSTG-STORAGE-14             | a2/h.java c2/d.java c2/p.java c2/x.java g7/b.java h7/e.java h7/w.java m1/d.java ua/com/tim_berners/parental_control/service/app_block/BlockSettin gsHelper.java   |
| 4  | This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.   | secure   | OWASP MASVS: MSTG-NETWORK-4   | io/realm/mongodb/sync/Sync.java   |
| 5  | SHA-1 is a weak hash known to have hash collisions.  | warning  | CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm<br>OWASP Top 10: M5: Insufficient Cryptography<br>OWASP MASVS: MSTG-CRYPTO-4   | a8/b.java<br>ua/com/tim_berners/parental_control/billing/Security.java<br>v8/o.java   |
| 6  | IP Address disclosure  | warning  | CWE: CWE-200: Information Exposure<br>OWASP MASVS: MSTG-CODE-2  | bf/a.java<br>df/g3.java<br>ua/com/tim_berners/parental_control/service/vpn/netguard/ServiceS<br>inkhole.java  |
| 7  | This App may have root detection capabilities.   | secure   | OWASP MASVS: MSTG-RESILIENCE-1  | f7/i.java<br>I6/w.java  |
| 8  | 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<br>Command ('SQL Injection')<br>OWASP Top 10: M7: Client Code Quality | a1/c.java<br>I3/m0.java<br>I3/t0.java<br>t8/e.java  |
| 9  | 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                               | ag/m0.java  |
| 10 | MD5 is a weak hash known to have hash collisions.  | warning  | CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm<br>OWASP Top 10: M5: Insufficient Cryptography<br>OWASP MASVS: MSTG-CRYPTO-4   | ag/y0.java  |

| NO | ISSUE  | SEVERITY | STANDARDS   | FILES  |
|----|--|----------|---|--|
| 11 | The file or SharedPreference is World Readable. Any App can read from the file   | high     | CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2 | com/appsflyer/internal/AFb1vSDK.java   |
| 12 | App creates temp file. Sensitive information should never be written into a temp file.                                   | warning  | CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2 | a8/c.java<br>v0/y.java   |
| 13 | 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  | ua/com/tim_berners/parental_control/ui/category/contacts/Contacts<br>Fragment.java |

#### ► SHARED LIBRARY BINARY ANALYSIS

| NO | SHARED OBJECT          | NX  | STACK CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                           |
|----|------------------------|---|---|--|---|---|---|---|
| 1  | x86_64/librealm-jni.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only. | None info The binary does not have run-time search path or RPATH set. | None<br>info<br>The binary<br>does not<br>have<br>RUNPATH<br>set. | True info The binary has the following fortified functions: ['_memcpy_chk', '_memset_chk', '_memmove_chk', '_strlen_chk', '_vsnprintf_chk', '_vsprintf_chk', '_vsprintf_chk', '_read_chk', '_FD_SET_chk'] | False<br>warning<br>Symbols are<br>available. |
| 2  | x86_64/libnetguard.so  | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only. | None info The binary does not have run-time search path or RPATH set. | None<br>info<br>The binary<br>does not<br>have<br>RUNPATH<br>set. | True info The binary has the following fortified functions: ['_strcpy_chk', '_vsprintf_chk', '_strlen_chk', '_memcpy_chk']  | False<br>warning<br>Symbols are<br>available. |

| NO | SHARED OBJECT          | NX  | STACK CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                           |
|----|------------------------|---|---|--|---|---|---|---|
| 3  | x86_64/librealm-jni.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | True info The binary has the following fortified functions: ['_memcpy_chk', '_memset_chk', '_memmove_chk', '_strlen_chk', '_vsnprintf_chk', '_vsprintf_chk', '_vsprintf_chk', '_read_chk', '_FD_SET_chk'] | False<br>warning<br>Symbols are<br>available. |
| 4  | x86_64/libnetguard.so  | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | True info The binary has the following fortified functions: ['_strcpy_chk', '_vsprintf_chk', '_strlen_chk', '_memcpy_chk']  | False<br>warning<br>Symbols are<br>available. |

# ■ NIAP ANALYSIS v1.3

#### **:::**:: ABUSED PERMISSIONS

| TYPE                           | MATCHES | PERMISSIONS   |
|--------------------------------|---------|---|
| Malware<br>Permissions         | 14/24   | android.permission.ACCESS_WIFL_STATE, android.permission.READ_CONTACTS, android.permission.READ_EXTERNAL_STORAGE, android.permission.INTERNET, android.permission.CAMERA, android.permission.WAKE_LOCK, android.permission.ACCESS_NETWORK_STATE, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.ACCESS_COARSE_LOCATION, android.permission.SYSTEM_ALERT_WINDOW, android.permission.VIBRATE, android.permission.READ_PHONE_STATE, android.permission.RECORD_AUDIO |
| Other<br>Common<br>Permissions | 9/45    | android.permission.WRITE_CONTACTS, com.google.android.c2dm.permission.RECEIVE, android.permission.FOREGROUND_SERVICE, android.permission.ACCESS_NOTIFICATION_POLICY, android.permission.ACCESS_BACKGROUND_LOCATION, com.google.android.gms.permission.AD_ID, android.permission.PACKAGE_USAGE_STATS, android.permission.REQUEST_IGNORE_BATTERY_OPTIMIZATIONS, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE  |

#### **Malware Permissions:**

Top permissions that are widely abused by known malware.

#### Other Common Permissions:

Permissions that are commonly abused by known malware.

#### ! OFAC SANCTIONED COUNTRIES

This app may communicate with the following OFAC sanctioned list of countries.

DOMAIN COUNTRY/REGION

#### **Q DOMAIN MALWARE CHECK**

| DOMAIN           | STATUS | GEOLOCATION  |
|------------------|--------|--|
| sattr.s          | ok     | No Geolocation information available.  |
| sadrevenue.s     | ok     | No Geolocation information available.  |
| docs.mongodb.com | ok     | IP: 151.101.2.133 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map   |
| www.facebook.com | ok     | IP: 31.13.84.36 Country: Austria Region: Wien City: Vienna Latitude: 48.208488 Longitude: 16.372080 View: Google Map                                     |
| sdlsdk.s         | ok     | No Geolocation information available.  |
| www.google.com   | ok     | IP: 142.250.180.228 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |

| DOMAIN                        | STATUS | GEOLOCATION   |
|-------------------------------|--------|---|
| advanced.parental-control.net | ok     | IP: 116.203.4.110 Country: Germany Region: Bayern City: Gunzenhausen Latitude: 48.323330 Longitude: 11.601220 View: Google Map                            |
| firebase.google.com           | ok     | IP: 142.251.39.78  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map   |
| pagead2.googlesyndication.com | ok     | IP: 142.251.208.130  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| sapp.s                        | ok     | No Geolocation information available.   |
| api.parentalcontrolkroha.net  | ok     | IP: 116.203.4.110 Country: Germany Region: Bayern City: Gunzenhausen Latitude: 48.323330 Longitude: 11.601220 View: Google Map                            |
| scdn-ssettings.s              | ok     | No Geolocation information available.   |
| sgcdsdk.s                     | ok     | No Geolocation information available.   |
| scdn-stestsettings.s          | ok     | No Geolocation information available.   |
| www.youtube.com               | ok     | IP: 172.217.19.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map   |

| DOMAIN                            | STATUS | GEOLOCATION   |
|-----------------------------------|--------|---|
| sconversions.s                    | ok     | No Geolocation information available.   |
| sregister.s                       | ok     | No Geolocation information available.   |
| issuetracker.google.com           | ok     | IP: 142.250.201.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map  |
| firebase-settings.crashlytics.com | ok     | IP: 142.250.180.227  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| smonitorsdk.s                     | ok     | No Geolocation information available.   |
| realm.mongodb.com                 | ok     | IP: 3.127.11.207 Country: Germany Region: Hessen City: Frankfurt am Main Latitude: 50.115520 Longitude: 8.684170 View: Google Map                         |
| api.mixpanel.com                  | ok     | IP: 107.178.240.159 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map       |
| twitter.com                       | ok     | IP: 104.244.42.1  Country: United States of America Region: California City: San Francisco Latitude: 37.773968 Longitude: -122.410446 View: Google Map    |
| sviap.s                           | ok     | No Geolocation information available.   |

| DOMAIN          | STATUS | GEOLOCATION  |
|-----------------|--------|--|
| svalidate.s     | ok     | No Geolocation information available.  |
| slaunches.s     | ok     | No Geolocation information available.  |
| sonelink.s      | ok     | No Geolocation information available.  |
| youtu.be        | ok     | IP: 142.251.208.142 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| ssdk-services.s | ok     | No Geolocation information available.  |
| play.google.com | ok     | IP: 142.251.208.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| sars.s          | ok     | No Geolocation information available.  |
| m.youtube.com   | ok     | IP: 142.250.180.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| simpression.s   | 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  |
|---------------------------------------|--------|--|
| parental-control-5086b.firebaseio.com | ok     | IP: 34.120.206.254 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map     |
| parental-control.net                  | ok     | IP: 116.203.4.110 Country: Germany Region: Bayern City: Gunzenhausen Latitude: 48.323330 Longitude: 11.601220 View: Google Map                         |
| developer.android.com                 | ok     | IP: 142.251.39.14 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| sinapps.s                             | ok     | No Geolocation information available.  |

#### FIREBASE DATABASES

| FIREBASE URL                                  | DETAILS                                   |
|---|---|
| https://parental-control-5086b.firebaseio.com | info<br>App talks to a Firebase Database. |

#### **EMAILS**

| EMAIL                        | FILE   |  |
|------------------------------|--|--|
| support@parental-control.net | ua/com/tim_berners/parental_control/ui/sidemenu/SupportFragment.java |  |
| support@parental-control.net | Android String Resource  |  |



| TRACKER                   | CATEGORIES      | URL   |
|---------------------------|-----------------|---|
| AppsFlyer                 | Analytics       | https://reports.exodus-privacy.eu.org/trackers/12 |
| Google CrashLytics        | Crash reporting | https://reports.exodus-privacy.eu.org/trackers/27 |
| Google Firebase Analytics | Analytics       | https://reports.exodus-privacy.eu.org/trackers/49 |

#### **₽** HARDCODED SECRETS

| POSSIBLE SECRETS  |
|---|
| "google_maps_key" : "AlzaSyAlfAsXmk0gJltyLTA67toOy5-z2ENt12s"                         |
| "google_crash_reporting_api_key" : "AlzaSyBtK4wTdA1smHXj5DwYZEqxTiJ0BO_rFIM"          |
| "firebase_database_url" : "https://parental-control-5086b.firebaseio.com"             |
| "com.google.firebase.crashlytics.mapping_file_id": "5d20e184c945455b8b8067d5de9badd9" |
| "google_api_key" : "AlzaSyBtK4wTdA1smHXj5DwYZEqxTiJ0BO_rFIM"                          |
| 8c062dcbf247e7db5cf74ca013d77a32  |
| FBA3AF4E7757D9016E953FB3EE4671CA2BD9AF725F9A53D52ED4A38EAAA08901                      |
| 470fa2b4ae81cd56ecbcda9735803434cec591fa  |
| 85053bf24bba75239b16a601d9387e17  |
| 3BAF59A2E5331C30675FAB35FF5FFF0D116142D3D4664F1C3CB804068B40614F                      |
| 258EAFA5-E914-47DA-95CA-C5AB0DC85B11  |
| 5181942b9ebc31ce68dacb56c16fd79f  |
| ae2044fb577e65ee8bb576ca48a2f06e  |
| FFE391E0EA186D0734ED601E4E70E3224B7309D48E2075BAC46D8C667EAE7212                      |
| E3F9E1E0CF99D0E56A055BA65E241B3399F7CEA524326B0CDD6EC1327ED0FDC1                      |

#### > PLAYSTORE INFORMATION

Title: Parental Control Kroha

Score: 3.7 Installs: 1,000,000+ Price: 0 Android Version Support: Category: Parenting Play Store URL: ua.com.tim berners.parental control

Developer Details: Parental Control Kroha, Parental+Control+Kroha, Kyiv, Pushkinska str. 10, https://parental-control.net, support@parental-control.net,

Release Date: May 12, 2018 Privacy Policy: Privacy link

#### Description:

The parental control app for android is created to protect kids and provides supervision to keep kids safe online. The app is a powerful child control app for screen time, tracking location, tracking application usage time, limit app usage, limit phone usage, website control, YouTube monitoring. You can block apps, set daily app time limit, limit screen time, block inappropriate content. The application has unique features such as monitoring social media chats and eyes protection. Use night mode and eyes protection features to form healthy habits for your kids' eyes. \* App lock & Phone lock: \* Block apps and block games \* Block social media apps \* Limit app usage time and limit usage time remotely \* Set schedules and limit phone usage for family time, bedtime and study time \* Device screen time management \* Screen time app shows a detailed view of the daily phone usage \* Set and manage a specific daily app time limit \* Screen time tracker allows you to monitor apps usage statistics \* Social media chat monitoring: \* Monitoring messengers (WhatsApp, Viber) \* YouTube Monitoring \* Eyes protection & Night mode: \* Use Night Mode to protect the child's eyes from intense blue light in the evening \* Use eyes protection to keep your child's phone screen at the correct distance from your eyes \* Family Locator & GPS tracking: \* Monitor your child's location on the map in real-time \* Set geo-zone and get notifications if a child leaves this zone \* Block websites & Block Youtube videos: \* Monitor websites which your child visited \* Web filters allow you to safe kids from harmful sites and content \* Monitor YouTube videos which your child was watched \* Block YouTube videos and channels \* Turn on Safe Search function to protect your kid's searches online also app gives you an opportunity to: \* Monitor and manage your kid's phonebook \* Monitor the latest kid's photos \* Monitor the battery level of the kids' phone Use "Parental Control apps Kroha - Screen time & Kids Mode" to improve your family links. Spend more family lime wit

#### **!**≡ SCAN LOGS

| Timestamp              | Event                                    | Error |
|------------------------|--|-------|
| 2024-08-11<br>16:20:43 | Generating Hashes                        | ОК    |
| 2024-08-11<br>16:20:43 | Extracting APK                           | ОК    |
| 2024-08-11<br>16:20:43 | Unzipping                                | ОК    |
| 2024-08-11<br>16:20:46 | Getting Hardcoded Certificates/Keystores | ОК    |
| 2024-08-11<br>16:21:00 | Parsing AndroidManifest.xml              | ОК    |
| 2024-08-11<br>16:21:00 | Parsing APK with androguard              | ОК    |

| 2024-08-11<br>16:21:02 | Extracting Manifest Data   | ОК  |
|------------------------|--|---|
| 2024-08-11<br>16:21:02 | Performing Static Analysis on: Parental Control<br>Kroha (ua.com.tim_berners.parental_control) | ОК  |
| 2024-08-11<br>16:21:02 | Fetching Details from Play Store:<br>ua.com.tim_berners.parental_control                       | ОК  |
| 2024-08-11<br>16:21:04 | Manifest Analysis Started  | ОК  |
| 2024-08-11<br>16:21:04 | Checking for Malware Permissions   | ОК  |
| 2024-08-11<br>16:21:04 | Fetching icon path   | ОК  |
| 2024-08-11<br>16:21:04 | Library Binary Analysis Started  | ОК  |
| 2024-08-11<br>16:21:04 | Analyzing lib/x86_64/librealm-jni.so   | ОК  |
| 2024-08-11<br>16:21:16 | Analyzing lib/x86_64/libnetguard.so  | ОК  |
| 2024-08-11<br>16:21:16 | Analyzing apktool_out/lib/x86_64/librealm-jni.so   | ОК  |
| 2024-08-11<br>16:21:27 | Analyzing apktool_out/lib/x86_64/libnetguard.so  | ОК  |
| 2024-08-11<br>16:21:28 | Reading Code Signing Certificate   | ОК  |
| 2024-08-11<br>16:21:28 | Failed to get signature versions   | CalledProcessError(1, ['/jdk-20.0.2/bin/java', '-Xmx1024M', '-Djava.library.path=', '-jar', '/home/mobsf/Mobile-Security-Framework-MobSF/mobsf/StaticAnalyzer/tools/apksigner.jar', 'verify', 'verbose', '/home/mobsf/.MobSF/uploads/eb38efc63f453d053df9c03b3a72920f/eb38efc63f453d053df9c03b3a72920f.apk']) |
| 2024-08-11<br>16:21:28 | Running APKiD 2.1.5  | ОК  |
| 2024-08-11<br>16:21:33 | Detecting Trackers   | ОК  |

| 2024-08-11<br>16:21:37 | Decompiling APK to Java with jadx                   | ок |
|------------------------|---|----|
| 2024-08-11<br>16:24:08 | Converting DEX to Smali                             | ОК |
| 2024-08-11<br>16:24:08 | Code Analysis Started on - java_source              | ОК |
| 2024-08-11<br>16:26:35 | Android SAST Completed                              | ОК |
| 2024-08-11<br>16:26:35 | Android API Analysis Started                        | ОК |
| 2024-08-11<br>16:27:59 | Android Permission Mapping Started                  | ок |
| 2024-08-11<br>16:29:52 | Android Permission Mapping Completed                | ОК |
| 2024-08-11<br>16:30:01 | Finished Code Analysis, Email and URL<br>Extraction | ОК |
| 2024-08-11<br>16:30:01 | Extracting String data from APK                     | ОК |
| 2024-08-11<br>16:30:01 | Extracting String data from SO                      | ОК |
| 2024-08-11<br>16:30:02 | Extracting String data from Code                    | ОК |
| 2024-08-11<br>16:30:02 | Extracting String values and entropies from Code    | ОК |
| 2024-08-11<br>16:30:09 | Performing Malware check on extracted domains       | ОК |
| 2024-08-11<br>16:30:20 | Saving to Database                                  | ОК |

#### Report Generated by - MobSF v4.0.6

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.

© 2024 Mobile Security Framework - MobSF | Ajin Abraham | OpenSecurity.