

#### ANDROID STATIC ANALYSIS REPORT



• Meezan Bank (2.0.0.9)

| File Name:          | Meezan.apk                |
|---------------------|---------------------------|
| Package Name:       | invo8.meezan.mb           |
| Scan Date:          | Oct. 19, 2024, 12:37 p.m. |
| App Security Score: | 45/100 (MEDIUM RISK)      |
| Grade:              |                           |
| Trackers Detection: | 3/432                     |
|                     |                           |

#### FINDINGS SEVERITY

| <b>兼</b> HIGH | ▲ MEDIUM | i INFO | ✓ SECURE | <b>®</b> HOTSPOT |
|---------------|----------|--------|----------|------------------|
| 5             | 20       | 2      | 2        | 1                |

#### FILE INFORMATION

File Name: Meezan.apk

**Size:** 64.83MB

MD5: 999d1820ebefd9b8d2ea160ec5eb6ab9

**SHA1:** e23e6b365966e9bbcd27d0499d8ac16e5dd23758

**SHA256**: edb7748a84f138f88accbff513a2446aeb8e4944437930cd123c1967dcb2570f

#### **i** APP INFORMATION

App Name: Meezan Bank

Package Name: invo8.meezan.mb

Main Activity: com.inov8.meezanmb.activities.SplashActivity

Target SDK: 33 Min SDK: 21 Max SDK:

Android Version Name: 2.0.0.9 Android Version Code: 99

#### **APP COMPONENTS**

Activities: 82 Services: 13 Receivers: 5 Providers: 4

Exported Activities: 0 Exported Services: 6 Exported Receivers: 3 Exported Providers: 0

#### **\*** CERTIFICATE INFORMATION

Binary is signed v1 signature: True v2 signature: True v3 signature: False v4 signature: False

X.509 Subject: CN=Soofia Faruq Signature Algorithm: rsassa\_pkcs1v15 Valid From: 2014-08-20 09:20:04+00:00 Valid To: 3012-12-21 09:20:04+00:00

Issuer: CN=Soofia Faruq Serial Number: 0x66cc66fc Hash Algorithm: sha256

md5: c3160c9023a6cdafb0202f5edcaec778

sha1: d7ee157ee472ef213ebd817c217e13fbb434aa46

sha256; 0f8be0ad849322831642ba86c04daa4389aae27b9bb384bea72a152d238a2162

sha512: e3e55b6bd8fe66f6a164ddd57d26337141d6c95a25b5731a2df8fbfb5b359f99682db0af124f8cedb29887e504743b7cbb18ec5208c98f94563a599c784d8cb6

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: 1334d25579f3c2aeb6d88113251bc5cb5057c38e5b85d5ee1e008963fd2e6113

Found 1 unique certificates



| PERMISSION                                | STATUS | INFO  | DESCRIPTION   |
|---|--------|---|---|
| android.permission.ACCESS_NETWORK_STATE   | normal | view network status   | Allows an application to view the status of all networks.   |
| android.permission.INTERNET               | normal | full Internet access  | Allows an application to create network sockets.  |
| android.permission.ACCESS_FINE_LOCATION   |        | 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.     |
| android.permission.ACCESS_COARSE_LOCATION |        | coarse (network-based)<br>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.USE_BIOMETRIC          |        | allows use of device-<br>supported biometric<br>modalities. | Allows an app to use device supported biometric modalities.   |
| android.permission.USE_FINGERPRINT        | normal | allow use of fingerprint                                    | This constant was deprecated in API level 28. Applications should request USE_BIOMETRIC instead.  |
| android.permission.WAKE_LOCK              | normal | prevent phone from sleeping                                 | Allows an application to prevent the phone from going to sleep.   |
| android.permission.WRITE_EXTERNAL_STORAGE |        | read/modify/delete<br>external storage<br>contents          | Allows an application to write to external storage.   |
| android.permission.ACCESS_WIFI_STATE      | normal | view Wi-Fi status   | Allows an application to view the information about the status of Wi-Fi.  |

| PERMISSION                                    | STATUS    | INFO   | DESCRIPTION  |
|---|-----------|--|--|
| 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.FOREGROUND_SERVICE         |           | enables regular apps to<br>use<br>Service.startForeground. | Allows a regular application to use Service.startForeground.   |
| android.permission.VIBRATE                    | normal    | control vibrator   | Allows the application to control the vibrator.  |
| android.permission.FLASHLIGHT                 | normal    | control flashlight   | Allows the application to control the flashlight.  |
| android.permission.NFC                        | normal    | control Near-Field<br>Communication                        | Allows an application to communicate with<br>Near-Field Communication (NFC) tags, cards<br>and readers.  |
| com.google.android.c2dm.permission.RECEIVE    | normal    | recieve push<br>notifications                              | Allows an application to receive push notifications from cloud.  |
| android.permission.READ_MEDIA_IMAGES          | dangerous | allows reading image<br>files from external<br>storage.    | Allows an application to read image files from external storage.   |
| android.permission.READ_MEDIA_VIDEO           | dangerous | allows reading video<br>files from external<br>storage.    | Allows an application to read video files from external storage.   |
| android.permission.READ_MEDIA_AUDIO           | dangerous | allows reading audio<br>files from external<br>storage.    | Allows an application to read audio files from external storage.   |
| android.permission.READ_EXTERNAL_STORAGE data |           | read external storage<br>contents                          | Allows an application to read from external storage.   |

| PERMISSION   | STATUS    | INFO                           | DESCRIPTION  |
|--|-----------|--------------------------------|--|
| android.permission.SYSTEM_ALERT_WINDOW                                 |           | display system-level<br>alerts | Allows an application to show system-alert windows. Malicious applications can take over the entire screen of the phone.   |
| android.permission.RECORD_AUDIO  | dangerous | record audio                   | Allows application to access the audio record path.  |
| com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE |           | permission defined by google   | A custom permission defined by Google.   |
| android.permission.READ_PHONE_STATE                                    |           | 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. |

# ক্ল APKID ANALYSIS

| FILE | DETAILS |
|------|---------|
|------|---------|

| FILE        | DETAILS      |  |  |
|-------------|--------------|--|--|
| classes.dex | FINDINGS     | DETAILS  |  |
|             | Anti-VM Code | Build.FINGERPRINT check Build.MANUFACTURER check Build.HARDWARE check possible Build.SERIAL check Build.TAGS check |  |
| ciassesiaex | Obfuscator   | unreadable field names<br>unreadable method names  |  |
|             | Compiler     | r8   |  |
|             |              |  |  |

| FILE         | DETAILS      |   |  |
|--------------|--------------|---|--|
|              | FINDINGS     | DETAILS   |  |
|              | Anti-VM Code | Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.BOARD check possible Build.SERIAL check Build.TAGS check network operator name check ro.hardware check ro.kernel.qemu check possible vM check |  |
| classes2.dex | Obfuscator   | unreadable field names<br>unreadable method names   |  |
|              | Compiler     | r8 without marker (suspicious)  |  |
|              |              |   |  |

| FILE                        | DETAILS    |              |  |
|-----------------------------|------------|--------------|--|
| lib/arm64-v8a/libe1f9.so    | FINDINGS   | DETAILS      |  |
| iib/aitito+-voa/iibe ii5.30 | Obfuscator | DexGuard 9.x |  |

#### **△** NETWORK SECURITY

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

#### **CERTIFICATE ANALYSIS**

#### HIGH: 0 | WARNING: 1 | INFO: 1

| 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. |

## **Q** MANIFEST ANALYSIS

| NO | ISSUE  | SEVERITY | DESCRIPTION   |
|----|--|----------|---|
| 1  | App can be installed on a vulnerable upatched Android version 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  | Service (com.inov8.meezanmb.tokenzation.service.SDKService) is not Protected. [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.   |
| 3  | Service (com.gemalto.mfs.mwsdk.provisioning.push.CPSCommService) 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. |
| 4  | Service (com.gemalto.mfs.mwsdk.mobilegateway.MGConfigurationChangeService) 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. |

| NO | ISSUE   | SEVERITY | DESCRIPTION  |
|----|---|----------|--|
| 5  | Service (com.gemalto.mfs.mwsdk.dcm.broadcast.DCMBroadcastService) 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.            |
| 6  | Service (com.inov8.meezanmb.tokenzation.payment.contactless.HCEService) is Protected by a permission, but the protection level of the permission should be checked.  Permission: android.permission.BIND_NFC_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.            |
| 7  | Broadcast Receiver (com.learnium.RNDeviceInfo.RNDeviceReceiver) 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.   |
| 8  | Broadcast Receiver (com.google.android.gms.measurement.AppMeasurementInstallReferrerReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.INSTALL_PACKAGES [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  |
|----|---|----------|--|
| 9  | Service (com.google.android.gms.auth.api.signin.RevocationBoundService) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.gms.auth.api.signin.permission.REVOCATION_NOTIFICATION [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.            |
| 10 | 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. |

# </> CODE ANALYSIS

HIGH: 4 | WARNING: 8 | INFO: 2 | SECURE: 2 | SUPPRESSED: 0

| NO | ISSUE | SEVERITY | STANDARDS | FILES   |
|----|-------|----------|-----------|---|
|    |       |          |           | com/inov8/meezanmb/activities/LoginActivity.jav a test/hcesdk/mpay/ak/b.java test/hcesdk/mpay/bk/a.java test/hcesdk/mpay/cl/l.java test/hcesdk/mpay/dk/a.java test/hcesdk/mpay/ek/l.java test/hcesdk/mpay/fk/c.java |

|    |                       |          |  | test/ficesuk/fiipay/gk/a.java                            |
|----|-----------------------|----------|--|--|
| NO | ISSUE                 | SEVERITY | STANDARDS                                    | test/hcesdk/mpay/hk/b.java<br>test/hcesdk/mpay/lk/b.java |
|    |                       |          |  | test/hcesdk/mpay/lk/d.java                               |
|    |                       |          |  | test/hcesdk/mpay/mk/a.java                               |
|    |                       |          |  | test/hcesdk/mpay/mk/b1.java                              |
|    |                       |          |  | test/hcesdk/mpay/mk/c1.java                              |
|    |                       |          |  | test/hcesdk/mpay/mk/e1.java                              |
|    |                       |          |  | test/hcesdk/mpay/mk/f0.java                              |
|    |                       |          |  | test/hcesdk/mpay/mk/h1.java                              |
|    |                       |          |  | test/hcesdk/mpay/mk/v.java                               |
|    |                       |          |  | test/hcesdk/mpay/nj/b.java                               |
|    |                       |          |  | test/hcesdk/mpay/nk/e.java                               |
|    |                       |          |  | test/hcesdk/mpay/oj/a.java                               |
|    |                       |          |  | test/hcesdk/mpay/ok/k.java                               |
|    |                       |          | CWE: CWE-200: Information Exposure           | test/hcesdk/mpay/p002if/c.java                           |
| 1  | IP Address disclosure | warning  | OWASP MASVS: MSTG-CODE-2                     | test/hcesdk/mpay/qj/h.java                               |
|    |                       |          | OWNSI WINSVS. WISTO CODE 2                   | test/hcesdk/mpay/sj/d.java                               |
|    |                       |          |  | test/hcesdk/mpay/tj/e.java                               |
|    |                       |          |  | test/hcesdk/mpay/tj/h.java                               |
|    |                       |          |  | test/hcesdk/mpay/vj/a.java                               |
|    |                       |          |  | test/hcesdk/mpay/wj/a.java                               |
|    |                       |          |  | test/hcesdk/mpay/wk/g.java                               |
|    |                       |          |  | test/hcesdk/mpay/xj/a.java                               |
|    |                       |          |  | test/hcesdk/mpay/yj/a.java                               |
|    |                       |          |  | util/h/xy/db/ra.java                                     |
|    |                       |          |  | util/h/xy/de/ra.java                                     |
|    |                       |          |  | util/h/xy/dg/ma.java                                     |
|    |                       |          |  | util/h/xy/dh/b.java                                      |
|    |                       |          |  | util/h/xy/dj/a.java<br>util/h/xy/dj/a.java               |
|    |                       |          |  | util/h/xy/dl/mb.java                                     |
|    |                       |          |  | util/h/xy/dm/na.java<br>util/h/xy/dm/ra.java             |
|    |                       |          |  | util/h/xy/dn/b.java<br>util/h/xy/dn/b.java               |
|    |                       |          |  | util/h/xy/dp/b.java<br>util/h/xy/dp/b.java               |
|    |                       |          |  | util/h/xy/dq/ra.java                                     |
|    |                       |          |  | util/h/xy/dr/mb.java<br>util/h/xy/dr/mb.java             |
|    |                       |          |  | util/h/xy/dt/hib.java                                    |
|    |                       |          | util/h/xy/dx/me.java                         |  |
|    |                       |          | util/h/xy/dy/rc.java<br>util/h/xy/dy/rc.java |  |
|    |                       |          | util/h/xy/p003do/ra.java                     |  |
|    |                       |          |  | αιίντινχν ρουσαοντα.java                                 |
|    |                       |          |  | com/agontuk/RNFusedLocation/RNFusedLocatio               |
|    |                       |          |  | nModule.java   |
| I  |                       | I        | I  | Thiriodale.java  |

| NO | ISSUE | SEVERITY | STANDARDS | com/bumptech/glide/Glide.java Fold 56 umptech/glide/gifdecoder/GifHeaderPar |
|----|-------|----------|-----------|---|
|    |       |          |           | r.java  |
|    |       |          |           | com/bumptech/glide/gifdecoder/StandardGifD                                  |
|    |       |          |           | oder.java   |
|    |       |          |           | com/bumptech/glide/load/data/AssetPathFetc                                  |
|    |       |          |           | .java   |
|    |       |          |           | com/bumptech/glide/load/data/HttpUrlFetcheva                                |
|    |       |          |           | com/bumptech/glide/load/data/LocalUriFetch                                  |
|    |       |          |           | ava   |
|    |       |          |           | com/bumptech/glide/load/data/mediastore/Tl<br>mbFetcher.java                |
|    |       |          |           | com/bumptech/glide/load/data/mediastore/TlmbnailStreamOpener.java           |
|    |       |          |           | com/bumptech/glide/load/engine/DecodeJob.                                   |
|    |       |          |           | a   |
|    |       |          |           | com/bumptech/glide/load/engine/DecodePatl                                   |
|    |       |          |           | va  |
|    |       |          |           | com/bumptech/glide/load/engine/Engine.java                                  |
|    |       |          |           | com/bumptech/glide/load/engine/GlideExcept                                  |
|    |       |          |           | .java   |
|    |       |          |           | com/bumptech/glide/load/engine/SourceGene                                   |
|    |       |          |           | or.java   |
|    |       |          |           | com/bumptech/glide/load/engine/bitmap_rec                                   |
|    |       |          |           | /LruArrayPool.java  |
|    |       |          |           | com/bumptech/glide/load/engine/bitmap_rec                                   |
|    |       |          |           | /LruBitmapPool.java   |
|    |       |          |           | com/bumptech/glide/load/engine/cache/Diskl                                  |
|    |       |          |           | CacheWrapper.java   |
|    |       |          |           | com/bumptech/glide/load/engine/cache/Mem                                    |
|    |       |          |           | SizeCalculator.java   |
|    |       |          |           | com/bumptech/glide/load/engine/executor/G                                   |
|    |       |          |           | Executor.java   |
|    |       |          |           | com/bumptech/glide/load/engine/executor/R                                   |
|    |       |          |           | meCompat.java   |
|    |       |          |           | com/bumptech/glide/load/engine/prefill/Bitm                                 |
|    |       |          |           | PreFillRunner.java  |
|    |       |          |           | com/bumptech/glide/load/model/ByteBufferE                                   |
|    |       |          |           | oder.java   |
|    |       |          |           | com/bumptech/glide/load/model/ByteBufferF                                   |
|    |       |          |           | oader.java  |
|    |       |          |           | com/bumptech/glide/load/model/FileLoader.ja                                 |

| .java com/bumptech/glide/load/resource/imageDecc erResourceDecoder.java com/bumptech/glide/load/resource/bitmap/Bit apEncoder.java com/bumptech/glide/load/resource/bitmap/Bit apEncoder.java com/bumptech/glide/load/resource/bitmap/Dei ultimageDecoderResourceDecoder.java com/bumptech/glide/load/resource/bitmap/Dei ultimageDecoderResourceDecoder.java com/bumptech/glide/load/resource/bitmap/Dei nsampler.java com/bumptech/glide/load/resource/bitmap/Dra nsampler.java com/bumptech/glide/load/resource/bitmap/Tra sformationultis.java com/bumptech/glide/load/resource/bitmap/Tra sformationultis.java com/bumptech/glide/load/resource/bitmap/Aid oDecoder.java com/bumptech/glide/load/resource/gif/ByteBuf eräifDecoder.java com/bumptech/glide/load/resource/gif/GifDraw bleEncoder.java com/bumptech/glide/load/resource/gif/GifDraw bleEncoder.java com/bumptech/glide/load/resource/gif/Sitreami fDecoder.java com/bumptech/glide/load/resource/gif/Sitreami fDecoder.java com/bumptech/glide/manager/DefaultConnecti tyMonitor.java com/bumptech/glide/manager/DefaultConnecti tyMonitor.java com/bumptech/glide/manager/DefaultConnecti tyMonitor.java com/bumptech/glide/manager/RequestManage ragment.java | NO | ISSUE | SEVERITY | STANDARDS | com/bumptech/glide/load/model/ResourceLoade   |
|--|----|-------|----------|-----------|---|
| etriever.java com/bumptech/glide/manager/RequestTracker. va com/bumptech/glide/manager/SupportRequest anagerFragment.java  |    |       |          |           | com/bumptech/glide/load/resource/ImageDecoderResourceDecoder.java com/bumptech/glide/load/resource/bitmap/BitmapEncoder.java com/bumptech/glide/load/resource/bitmap/BitmapImageDecoderResourceDecoder.java com/bumptech/glide/load/resource/bitmap/DefaultImageHeaderParser.java com/bumptech/glide/load/resource/bitmap/Downsampler.java com/bumptech/glide/load/resource/bitmap/DrawableToBitmapConverter.java com/bumptech/glide/load/resource/bitmap/HardwareConfigState.java com/bumptech/glide/load/resource/bitmap/TransformationUtils.java com/bumptech/glide/load/resource/bitmap/VideoDecoder.java com/bumptech/glide/load/resource/gif/ByteBufferGifDecoder.java com/bumptech/glide/load/resource/gif/GifDrawableEncoder.java com/bumptech/glide/load/resource/gif/StreamGifDecoder.java com/bumptech/glide/manager/DefaultConnectivityMonitor.java com/bumptech/glide/manager/PefaultConnectivityMonitor.java com/bumptech/glide/manager/RequestManagerFragment.java com/bumptech/glide/manager/RequestManagerRetriever.java com/bumptech/glide/manager/RequestManagerRetriever.java com/bumptech/glide/manager/RequestTracker.java com/bumptech/glide/manager/RequestTracker.java |

| NO | ISSUE | SEVERITY | STANDARDS | com/bumptech/glide/request/target/CustomView   |
|----|-------|----------|-----------|--|
|    |       |          |           | com/bumptech/glide/request/target/ViewTarget.java com/bumptech/glide/signature/ApplicationVersio nSignature.java com/bumptech/glide/util/ContentLengthInputStre am.java com/bumptech/glide/util/pool/FactoryPools.java com/inov8/meezanmb/MainApplication.java com/inov8/meezanmb/activities/TransactionSucc essActivity.java com/inov8/meezanmb/activities/a.java com/inov8/meezanmb/activities/billpayment/Bill PayeeSummaryActivity.java com/inov8/meezanmb/activities/billpayment/Bill PaymentInputActivity.java com/inov8/meezanmb/activities/mycards/DebitC ardsActivity.java com/inov8/meezanmb/activities/qibladirection/Q iblaDirection.java com/inov8/meezanmb/activities/raast/beneficiar ymanagement/RaastBeneficiarySummaryActivity.java com/inov8/meezanmb/activities/raast/payment/ RaastFundsTransferConfirmationActivity.java com/inov8/meezanmb/activities/raast/payment/ RaastPaymentInputActivity.java com/inov8/meezanmb/activities/transfer/FundsT ransferConfirmationActivity.java com/inov8/meezanmb/activities/transfer/FundsT ransferConfirmationActivity.java com/inov8/meezanmb/activities/transfer/FundsT ransferInputActivity.java com/inov8/meezanmb/activities/transfer/FundsT ransferInputActivity.java com/inov8/meezanmb/activities/transfer/benefic iarymanagement/BeneficiarySummaryActivity.java com/inov8/meezanmb/activities/transfer/benefic iarymanagement/BeneficiarySummaryActivity.java com/inov8/meezanmb/tokenzation/MainActivity.java com/inov8/meezanmb/tokenzation/TermsAndCo nditionsActivity.java com/inov8/meezanmb/tokenzation/addCard/Add CardActivity.java |

| NO | ISSUE | SEVERITY | STANDARDS | com/inov8/meezanmb/tokenzation/service/MyFi<br>FILES<br>rebaseMessagingService.java<br>com/inov8/meezanmb/util/HorizontalDottedProg   |
|----|-------|----------|-----------|---|
|    |       |          |           | ress.java com/journeyapps/barcodescanner/a.java com/journeyapps/barcodescanner/b.java com/learnium/RNDeviceInfo/RNDeviceModule.ja va com/lwansbrough/RCTCamera/RCTCameraModul e.java com/lwansbrough/RCTCamera/a.java com/reactnativecommunity/webview/RNCWebVi ewManager.java com/reactnativecommunity/webview/RNCWebVi ewModule.java com/reactnativemathematics/MathematicsModul e.java com/sun/jna/Native.java com/swmansion/gesturehandler/react/RNGestur eHandlerModule.java com/swmansion/rnscreens/ScreenStackHeaderC onfigViewManager.java com/unikrew/faceoff/fingerprint/SecureStorage/b .java com/veridiumid/sdk/VeridiumSDK.java com/veridiumid/sdk/VeridiumSDKImpl.java com/veridiumid/sdk/VeridiumSDKImpl.java com/veridiumid/sdk/analytics/Analytics.java com/veridiumid/sdk/analytics/Analytics.java com/veridiumid/sdk/analytics/AnalyticsLibraryDa taDumpInternalUse.java com/veridiumid/sdk/defaultdata/DataStorage.jav a com/veridiumid/sdk/defaultdata/DataStorage.jav a com/veridiumid/sdk/defaultdata/bataStorage.jav a com/veridiumid/sdk/defaultdata/bataStorage.java com/veridiumid/sdk/defaults/biometricsettingsd efaultui/BiometricSettingsFragment.java com/veridiumid/sdk/fourf/ExportConfig.java com/veridiumid/sdk/fourf/ExportConfig.java com/veridiumid/sdk/fourf/FourFLoader.java com/veridiumid/sdk/fourf/FourFLoader.java |

| The App logs information. Sensitive information into Log File  OWASP MASVS: MSTG-STORAGE-3  CWE: CWE-532: Insertion of Sensitive Information into Log File  OWASP MASVS: MSTG-STORAGE-3  CWE: CWE-532: Insertion of Sensitive Information into Log File  OWASP MASVS: MSTG-STORAGE-3  CWE: CWE-532: Insertion of Sensitive Information into Log File  OWASP MASVS: MSTG-STORAGE-3  CWE-CWE-532: Insertion of Sensitive Information into Log File  OWASP MASVS: MSTG-STORAGE-3  CWE-CWE-532: Insertion of Sensitive Information into Log File  OWASP MASVS: MSTG-STORAGE-3  Com/veridiumid/sdk/four/ful/FourFUlFragment, java  com/veridiumid/sdk/fourful/FourFulFragment, java  com/veridiumid/sdk/fourfulfile  OWASP MASVS: MSTG-STORAGE-3  CWE-CWE-532: Insertion of Sensitive Information into Log File  OWASP MASVS: MSTG-STORAGE-3  COM/veridiumid/sdk/fourful/FourFulFragment, java  com/veridiumid/sdk/fourfulfilensing/Licensing/L |
|--|
| Activity.java  |

| NO | ISSUE | SEVERITY | STANDARDS | ity java<br>FILES<br>com/veridiumid/sdk/support/help/CustomCount |
|----|-------|----------|-----------|--|
|    |       |          |           | DownTimer.java   |
|    |       |          |           | com/veridiumid/sdk/support/ui/AspectRatioSafeF                   |
|    |       |          |           | rameLayout.java  |
|    |       |          |           | com/wenkesj/voice/VoiceModule.java                               |
|    |       |          |           | test/hcesdk/mpay/a0/d.java                                       |
|    |       |          |           | test/hcesdk/mpay/a1/c.java                                       |
|    |       |          |           | test/hcesdk/mpay/a6/f.java                                       |
|    |       |          |           | test/hcesdk/mpay/a7/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/a7/j.java                                       |
|    |       |          |           | test/hcesdk/mpay/ae/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/be/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/c1/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/cg/b.java                                       |
|    |       |          |           | test/hcesdk/mpay/d0/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/df/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/dg/b.java                                       |
|    |       |          |           | test/hcesdk/mpay/dg/c.java                                       |
|    |       |          |           | test/hcesdk/mpay/dg/s.java                                       |
|    |       |          |           | test/hcesdk/mpay/dh/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/e1/a0.java                                      |
|    |       |          |           | test/hcesdk/mpay/e1/b.java                                       |
|    |       |          |           | test/hcesdk/mpay/e1/q.java                                       |
|    |       |          |           | test/hcesdk/mpay/e1/v.java                                       |
|    |       |          |           | test/hcesdk/mpay/f1/d.java                                       |
|    |       |          |           | test/hcesdk/mpay/fc/d.java                                       |
|    |       |          |           | test/hcesdk/mpay/ff/b.java                                       |
|    |       |          |           | test/hcesdk/mpay/fg/f.java                                       |
|    |       |          |           | test/hcesdk/mpay/fh/i.java                                       |
|    |       |          |           | test/hcesdk/mpay/fh/j.java                                       |
|    |       |          |           | test/hcesdk/mpay/gc/b.java                                       |
|    |       |          |           | test/hcesdk/mpay/gg/a.java                                       |
|    |       |          |           | test/hcesdk/mpay/gg/b.java                                       |
|    |       |          |           | test/hcesdk/mpay/gg/c.java                                       |
|    |       |          |           | test/hcesdk/mpay/gg/g.java                                       |
|    |       |          |           | test/hcesdk/mpay/gg/i.java                                       |
|    |       |          |           | test/hcesdk/mpay/gg/l.java                                       |
|    |       |          |           | test/hcesdk/mpay/h0/d.java                                       |
|    |       |          |           | test/hcesdk/mpay/h0/j.java                                       |
|    |       |          |           | test/hcesdk/mpay/h0/v.java                                       |
|    |       |          |           | test/hcesdk/mpay/h1/a.java                                       |
| 1  |       |          |           | toot/beacdi/massi/bd/missi                                       |

|    |       |          |           | test/ncesuk/mpay/nu/m.java |
|----|-------|----------|-----------|----------------------------|
| NO | ISSUE | SEVERITY | STANDARDS | test/heesdk/mpay/hg/c.java |
|    |       |          |           | test/hcesdk/mpay/hh/i.java |
|    |       |          |           | test/hcesdk/mpay/i/e.java  |
|    |       |          |           | test/hcesdk/mpay/i/g.java  |
|    |       |          |           | test/hcesdk/mpay/i/h.java  |
|    |       |          |           | test/hcesdk/mpay/i/k.java  |
|    |       |          |           | test/hcesdk/mpay/i0/a.java |
|    |       |          |           | test/hcesdk/mpay/i2/a.java |
|    |       |          |           | test/hcesdk/mpay/i2/e.java |
|    |       |          |           | test/hcesdk/mpay/ig/a.java |
|    |       |          |           | test/hcesdk/mpay/j/a.java  |
|    |       |          |           | test/hcesdk/mpay/j0/c.java |
|    |       |          |           | test/hcesdk/mpay/j0/d.java |
|    |       |          |           | test/hcesdk/mpay/j0/h.java |
|    |       |          |           | test/hcesdk/mpay/j6/d.java |
|    |       |          |           | test/hcesdk/mpay/jg/a.java |
|    |       |          |           | test/hcesdk/mpay/jg/d.java |
|    |       |          |           | test/hcesdk/mpay/k0/c.java |
|    |       |          |           | test/hcesdk/mpay/k0/e.java |
|    |       |          |           | test/hcesdk/mpay/k0/f.java |
|    |       |          |           | test/hcesdk/mpay/k0/g.java |
|    |       |          |           | test/hcesdk/mpay/k0/k.java |
|    |       |          |           | test/hcesdk/mpay/k2/d.java |
|    |       |          |           | test/hcesdk/mpay/k2/e.java |
|    |       |          |           | test/hcesdk/mpay/kb/b.java |
|    |       |          |           | test/hcesdk/mpay/kb/c.java |
|    |       |          |           | test/hcesdk/mpay/kj/a.java |
|    |       |          |           | test/hcesdk/mpay/l0/a.java |
|    |       |          |           | test/hcesdk/mpay/l0/e.java |
|    |       |          |           | test/hcesdk/mpay/l1/b.java |
|    |       |          |           | test/hcesdk/mpay/l2/d.java |
|    |       |          |           | test/hcesdk/mpay/lh/k.java |
|    |       |          |           | test/hcesdk/mpay/m1/c.java |
|    |       |          |           | test/hcesdk/mpay/mb/h.java |
|    |       |          |           | test/hcesdk/mpay/mf/c.java |
|    |       |          |           | test/hcesdk/mpay/n/g.java  |
|    |       |          |           | test/hcesdk/mpay/n1/a.java |
|    |       |          |           | test/hcesdk/mpay/nc/b.java |
|    |       |          |           | test/hcesdk/mpay/nd/a.java |
|    |       |          |           | test/hcesdk/mpay/nd/b.java |
|    |       |          |           | test/hcesdk/mpay/nd/c.java |
|    |       |          |           | test/hcesdk/mpay/nd/d.java |
| I  | I     | I        |           |                            |

|   | ICCLIE   | CEVEDITY | CTAND ADDC | test/ncesɑk/mpay/nɑ/n.java<br>test/hcesdk/mpay/nd/t.java |
|---|----------|----------|------------|--|
| Ю | ISSUE    | SEVERITY | STANDARDS  | test/hcesdk/mpay/nd/w.java                               |
|   | <u> </u> | +        | -          | test/hcesdk/mpay/o/c.java                                |
| ļ | 1        |          |            | test/hcesdk/mpay/o1/a.java                               |
| ļ | I        |          |            | test/hcesdk/mpay/o1/b.java                               |
| ļ | 1        |          |            | test/hcesdk/mpay/p/b0.java                               |
| ļ | I        |          |            | test/hcesdk/mpay/p/d0.java                               |
| ļ | I        |          |            | test/hcesdk/mpay/p/e0.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/p/e0.java<br>test/hcesdk/mpay/p/h0.java |
| ļ | I        |          |            |  |
| ı | 1        |          |            | test/hcesdk/mpay/p/j0.java<br>test/hcesdk/mpay/p/q0.java |
| ı | 1        |          |            |  |
| ļ | I        |          |            | test/hcesdk/mpay/p/r0.java                               |
| ļ | 1        |          |            | test/hcesdk/mpay/p/t.java                                |
| ļ | I        |          |            | test/hcesdk/mpay/p/t0.java                               |
| ļ | I        |          |            | test/hcesdk/mpay/p/x.java                                |
| ļ | I        |          |            | test/hcesdk/mpay/p0/l.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/p002if/c.java                           |
| ļ | I        |          |            | test/hcesdk/mpay/p1/b.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/pc/f.java                               |
| l | 1        |          |            | test/hcesdk/mpay/pg/c.java                               |
| ļ | 1        |          |            | test/hcesdk/mpay/rc/a0.java                              |
| Ì | 1        |          |            | test/hcesdk/mpay/rc/b0.java                              |
| l | 1        |          |            | test/hcesdk/mpay/rc/b1.java                              |
| ļ | 1        |          |            | test/hcesdk/mpay/rc/c0.java                              |
| ļ | 1        |          |            | test/hcesdk/mpay/rc/e0.java                              |
| ļ | 1        |          |            | test/hcesdk/mpay/rc/f.java                               |
| Ì | 1        |          |            | test/hcesdk/mpay/rc/f0.java                              |
| ı | 1        |          |            | test/hcesdk/mpay/rc/h.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/rc/h0.java                              |
| ļ | I        |          |            | test/hcesdk/mpay/rc/i0.java                              |
| ļ | I        |          |            | test/hcesdk/mpay/rc/j0.java                              |
| ı | 1        |          |            | test/hcesdk/mpay/rc/k.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/rc/l0.java                              |
| ļ | I        |          |            | test/hcesdk/mpay/rc/m.java                               |
| ļ | I        |          |            | test/hcesdk/mpay/rc/p0.java                              |
| ı | 1        |          |            | test/hcesdk/mpay/rc/q.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/rc/t.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/rc/v0.java                              |
| ı | 1        |          |            | test/hcesdk/mpay/rc/x.java                               |
| ı | 1        |          |            | test/hcesdk/mpay/rc/y.java                               |
| ļ | I        |          |            | test/hcesdk/mpay/rc/z.java                               |
| ļ | 1        |          |            | test/hcesdk/mpay/t0/a0.java                              |

|    |       |          |           | test/hcesdk/mpay/t0/b.java  |
|----|-------|----------|-----------|-----------------------------|
| NO | ISSUE | SEVERITY | STANDARDS | ፲፰፻፫፫esdk/mpay/t0/d0.java   |
|    |       |          |           | test/hcesdk/mpay/t0/k0.java |
|    |       |          |           | test/hcesdk/mpay/t0/m.java  |
|    |       |          |           | test/hcesdk/mpay/t0/y.java  |
|    |       |          |           | test/hcesdk/mpay/t1/a.java  |
|    |       |          |           | test/hcesdk/mpay/t3/g.java  |
|    |       |          |           | test/hcesdk/mpay/u0/c.java  |
|    |       |          |           | test/hcesdk/mpay/u1/k.java  |
|    |       |          |           | test/hcesdk/mpay/u1/q0.java |
|    |       |          |           | test/hcesdk/mpay/uc/b.java  |
|    |       |          |           | test/hcesdk/mpay/uc/f.java  |
|    |       |          |           | test/hcesdk/mpay/uc/g.java  |
|    |       |          |           | test/hcesdk/mpay/uc/h.java  |
|    |       |          |           | test/hcesdk/mpay/uf/a.java  |
|    |       |          |           | test/hcesdk/mpay/v1/h.java  |
|    |       |          |           | test/hcesdk/mpay/wi/a.java  |
|    |       |          |           | test/hcesdk/mpay/x0/c.java  |
|    |       |          |           | test/hcesdk/mpay/x0/j.java  |
|    |       |          |           | test/hcesdk/mpay/x2/c.java  |
|    |       |          |           | test/hcesdk/mpay/yf/e.java  |
|    |       |          |           | test/hcesdk/mpay/zd/b.java  |
|    |       |          |           | test/hcesdk/mpay/zd/d.java  |
|    |       |          |           | test/hcesdk/mpay/zf/a.java  |
|    |       |          |           |                             |

| NO | ISSUE  | SEVERITY | STANDARDS  | FILES   |
|----|--|----------|--|---|
| 3  | The App uses an insecure Random<br>Number Generator.   | warning  | CWE: CWE-330: Use of Insufficiently Random<br>Values<br>OWASP Top 10: M5: Insufficient Cryptography<br>OWASP MASVS: MSTG-CRYPTO-6                | com/inov8/meezanmb/activities/a.java com/inov8/meezanmb/activities/mycards/DebitC ardsActivity.java test/hcesdk/mpay/dg/a.java test/hcesdk/mpay/el/c.java test/hcesdk/mpay/fi/a.java test/hcesdk/mpay/fi/b.java test/hcesdk/mpay/fi/b.java test/hcesdk/mpay/java test/hcesdk/mpay/java test/hcesdk/mpay/java test/hcesdk/mpay/java test/hcesdk/mpay/jl/b.java util/h/xy/bm/mb.java util/h/xy/bv/ma.java util/h/xy/bv/ma.java util/h/xy/cr/mb.java util/h/xy/e/ra.java util/h/xy/g/ma.java util/h/xy/g/ma.java |
| 4  | 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<br>Elements used in an SQL Command ('SQL<br>Injection')<br>OWASP Top 10: M7: Client Code Quality | test/hcesdk/mpay/f8/c.java<br>test/hcesdk/mpay/pg/f.java<br>util/h/xy/cn/ma.java<br>util/h/xy/cv/b.java<br>util/h/xy/cv/mb.java   |

| NO | ISSUE   | SEVERITY | STANDARDS  | FILES   |
|----|---|----------|--|---|
| 5  | Files may contain hardcoded sensitive information like usernames, passwords, keys etc.  | warning  | CWE: CWE-312: Cleartext Storage of Sensitive<br>Information<br>OWASP Top 10: M9: Reverse Engineering<br>OWASP MASVS: MSTG-STORAGE-14           | com/bumptech/glide/load/Option.java com/bumptech/glide/load/engine/DataCacheKey. java com/bumptech/glide/load/engine/EngineResourc e.java com/bumptech/glide/load/engine/ResourceCache Key.java com/bumptech/glide/manager/RequestManagerR etriever.java com/unikrew/faceoff/fingerprint/FingerprintScan nerActivity.java com/veridiumid/sdk/defaultdata/securepreferenc es/SecurePreferences.java com/veridiumid/sdk/internal/licensing/domain/ model/License.java com/veridiumid/sdk/internal/licensing/domain/ model/SdkLicense.java |
| 6  | SHA-1 is a weak hash known to have hash collisions.   | warning  | CWE: CWE-327: Use of a Broken or Risky<br>Cryptographic Algorithm<br>OWASP Top 10: M5: Insufficient Cryptography<br>OWASP MASVS: MSTG-CRYPTO-4 | com/inov8/meezanmb/util/AppValidator.java<br>com/veridiumid/sdk/model/help/EncryptionUtils.<br>java<br>test/hcesdk/mpay/n5/c.java<br>test/hcesdk/mpay/nd/n.java<br>test/hcesdk/mpay/rc/q.java   |
| 7  | The App uses ECB mode in Cryptographic encryption algorithm. ECB mode is known to be weak as it results in the same ciphertext for identical blocks of plaintext. | high     | CWE: CWE-327: Use of a Broken or Risky<br>Cryptographic Algorithm<br>OWASP Top 10: M5: Insufficient Cryptography<br>OWASP MASVS: MSTG-CRYPTO-2 | test/hcesdk/mpay/dg/a.java  |

| NO | ISSUE  | SEVERITY | STANDARDS   | FILES  |
|----|--|----------|---|--|
| 8  | App can read/write to External Storage. Any App can read data written to External Storage. | warning  | CWE: CWE-276: Incorrect Default Permissions<br>OWASP Top 10: M2: Insecure Data Storage<br>OWASP MASVS: MSTG-STORAGE-2 | com/inov8/meezanmb/activities/TransactionSuccessActivity.java com/inov8/meezanmb/activities/myaccounts/AccountStatementActivity.java com/inov8/meezanmb/activities/raast/payment/ RaastTransactionSuccessActivity.java com/learnium/RNDeviceInfo/RNDeviceModule.ja va com/lwansbrough/RCTCamera/RCTCameraModule.java com/reactnativecommunity/webview/RNCWebViewModule.java com/unikrew/faceoff/fingerprint/FingerprintScan nerActivity.java com/veridiumid/sdk/fourf/camera/FourFCamera 2.java test/hcesdk/mpay/a5/a.java test/hcesdk/mpay/k5/a.java test/hcesdk/mpay/hd/c.java |
| 9  | App creates temp file. Sensitive information should never be written into a temp file.     | warning  | CWE: CWE-276: Incorrect Default Permissions<br>OWASP Top 10: M2: Insecure Data Storage<br>OWASP MASVS: MSTG-STORAGE-2 | com/airbnb/android/react/maps/AirMapModule.j ava com/journeyapps/barcodescanner/b.java com/lwansbrough/RCTCamera/RCTCameraModul e.java com/reactnativecommunity/webview/RNCWebVi ewModule.java com/sun/jna/Native.java test/hcesdk/mpay/a5/a.java test/hcesdk/mpay/c1/a.java test/hcesdk/mpay/e8/m.java test/hcesdk/mpay/k2/m.java test/hcesdk/mpay/k2/m.java  |

| NO | ISSUE  | SEVERITY | STANDARDS   | FILES  |
|----|--|----------|---|--|
| 10 | The App uses the encryption mode CBC with PKCS5/PKCS7 padding. This configuration is vulnerable to padding oracle attacks. | high     | CWE: CWE-649: Reliance on Obfuscation or<br>Encryption of Security-Relevant Inputs without<br>Integrity Checking<br>OWASP Top 10: M5: Insufficient Cryptography<br>OWASP MASVS: MSTG-CRYPTO-3 | test/hcesdk/mpay/p002if/b.java   |
| 11 | This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.                   | secure   | OWASP MASVS: MSTG-NETWORK-4   | com/veridiumid/sdk/internal/licensing/ws/Licensi<br>ngServiceApi.java<br>test/hcesdk/mpay/df/a.java<br>test/hcesdk/mpay/mf/c.java<br>util/h/xy/av/a.java<br>util/h/xy/bv/mb.java<br>util/h/xy/cj/b.java<br>util/h/xy/cx/a.java |
| 12 | This App may have root detection capabilities.   | secure   | OWASP MASVS: MSTG-RESILIENCE-1  | com/veridiumid/sdk/model/help/AndroidHelper.j<br>ava<br>test/hcesdk/mpay/ch/b.java<br>test/hcesdk/mpay/dg/r.java   |
| 13 | The file or SharedPreference is World<br>Writable. Any App can write to the file   | high     | CWE: CWE-276: Incorrect Default Permissions<br>OWASP Top 10: M2: Insecure Data Storage<br>OWASP MASVS: MSTG-STORAGE-2   | com/unikrew/faceoff/fingerprint/SecureStorage/c<br>.java   |
| 14 | 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/reactnativecommunity/clipboard/Clipboard<br>Module.java  |
| 15 | This App may request root (Super User) privileges.   | warning  | CWE: CWE-250: Execution with Unnecessary<br>Privileges<br>OWASP MASVS: MSTG-RESILIENCE-1  | com/veridiumid/sdk/model/help/AndroidHelper.j<br>ava<br>test/hcesdk/mpay/ch/a.java   |

| NO | ISSUE   | SEVERITY | STANDARDS  | FILES                |
|----|---|----------|--|----------------------|
| 16 | Insecure Implementation of SSL. Trusting all the certificates or accepting self signed certificates is a critical Security Hole. This application is vulnerable to MITM attacks | high     | CWE: CWE-295: Improper Certificate Validation<br>OWASP Top 10: M3: Insecure Communication<br>OWASP MASVS: MSTG-NETWORK-3 | util/h/xy/cl/rc.java |

## SHARED LIBRARY BINARY ANALYSIS

| NO | SHARED OBJECT | NX | STACK<br>CANARY | RELRO | RPATH | RUNPATH | FORTIFY | SYMBOLS<br>STRIPPED |
|----|---------------|----|-----------------|-------|-------|---------|---------|---------------------|
|----|---------------|----|-----------------|-------|-------|---------|---------|---------------------|

| NO | SHARED OBJECT                        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 1  | armeabi-v7a/libreactperfloggerjni.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------|---|---|--|---|---|--|--------------------------------------|
| 2  | armeabi-v7a/libfabricjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 3  | armeabi-<br>v7a/libreact_render_mapbuffer.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 4  | armeabi-v7a/libcryptopp_shared.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: ['FD_SET_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 5  | armeabi-<br>v7a/librrc_unimplementedview.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 6  | armeabi-<br>v7a/libreact_render_textlayoutmanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|-----------------------|---|---|--|---|---|--|--------------------------------------|
| 7  | armeabi-v7a/libjsi.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 8  | armeabi-v7a/libreactconfig.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 9  | armeabi-v7a/libglog_init.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT            | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------|---|--|--|---|---|---|--------------------------------------|
| 10 | armeabi-v7a/libbetter.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 11 | armeabi-v7a/libyoga.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: ['_vsnprintf_chk', '_strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|----------------------|---|---|--|---|---|---|--------------------------------------|
| 12 | armeabi-v7a/libfb.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 13 | armeabi-v7a/librrc_modal.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 14 | armeabi-<br>v7a/libreact_render_componentregistry.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------|---|---|--|---|---|---|--------------------------------------|
| 15 | armeabi-v7a/librrc_textinput.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 16 | armeabi-v7a/libreact_render_graphics.so | True info The binary has NX bit set. This marks a memory page nonexecutable making attacker injected shellcode nonexecutable. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 17 | armeabi-v7a/libsodium.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

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|----|-----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 18 | armeabi-v7a/libreactnativeblob.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 19 | armeabi-v7a/libreact_render_scheduler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 20 | armeabi-v7a/libreact_render_mounting.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 21 | armeabi-<br>v7a/libreact_render_uimanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

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|----|--|---|---|--|---|---|---|--------------------------------------|
| 22 | armeabi-v7a/libreact_codegen_rncore.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

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|----|---|---|---|--|---|---|---|--------------------------------------|
| 23 | armeabi-<br>v7a/libreact_render_imagemanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|--|--|---|---|---|--------------------------------------|
| 24 | armeabi-v7a/libjnidispatch.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 25 | armeabi-v7a/librrc_root.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 26 | armeabi-v7a/libreact_render_core.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 27 | armeabi-<br>v7a/libreact_render_attributedstring.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 28 | armeabi-<br>v7a/libreact_render_runtimescheduler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------|---|---|--|---|---|---|--------------------------------------|
| 29 | armeabi-v7a/libcsr.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 30 | armeabi-v7a/libnative-filters.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|---|--|---|---|--|--------------------------------------|
| 31 | armeabi-v7a/libjscexecutor.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 32 | armeabi-<br>v7a/libreact_nativemodule_core.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 33 | armeabi-v7a/libjsinspector.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|------------------------|---|---|--|---|---|--|--------------------------------------|
| 34 | armeabi-v7a/libglog.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: ['strncat_chk', 'vsnprintf_chk', 'memcpy_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 35 | armeabi-v7a/libffid_dynamic.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|--|--------------------------------------|
| 36 | armeabi-<br>v7a/libGHDSDFIUPOIFDLS8DSFN23LK.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: ['strcat_chk', 'memcpy_chk', 'memmove_chk', 'vsnprintf_chk', 'vsprintf_chk', 'memset_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 37 | armeabi-<br>v7a/libreact_render_templateprocessor.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------|---|---|--|---|---|---|--------------------------------------|
| 38 | armeabi-v7a/libfbjni.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 39 | armeabi-v7a/librrc_text.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 40 | armeabi-v7a/libreact_utils.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 41 | armeabi-v7a/libfaceoff.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 42 | armeabi-<br>v7a/libreact_render_leakchecker.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 43 | armeabi-<br>v7a/libreact_render_animations.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 44 | armeabi-v7a/libtoolChecker.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|--------------------------------|---|---|--|---|---|--|--------------------------------------|
| 45 | armeabi-v7a/libmapbufferjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------|---|---|--|---|---|---|--------------------------------------|
| 46 | armeabi-v7a/libimagepipeline.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 47 | armeabi-v7a/libreactnativejni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 48 | armeabi-v7a/librrc_progressbar.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 49 | armeabi-v7a/libveridiumlicensing.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: ['strchr_chk', 'memcpy_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 50 | armeabi-v7a/librrc_slider.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 51 | armeabi-v7a/libe1f9.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------|---|---|---|---|---|---|--------------------------------------|
| 52 | armeabi-v7a/libgvr.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. | Partial RELRO warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 53 | armeabi-v7a/libreact_render_telemetry.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 54 | armeabi-v7a/libhermes.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------|---|---|--|---|---|---|--------------------------------------|
| 55 | armeabi-v7a/libfolly_futures.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: ['FD_CLR_chk', 'FD_ISSET_chk', 'memset_chk', 'vsnprintf_chk', 'memcpy_chk', 'read_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 56 | armeabi-v7a/libhermes-inspector.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|--|--------------------------------------|
| 57 | armeabi-v7a/libhermes-executor-<br>common-debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 58 | armeabi-v7a/librrc_image.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|--|--------------------------------------|
| 59 | armeabi-v7a/libhermes-executor-debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 60 | armeabi-v7a/libjsijniprofiler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|--|--------------------------------------|
| 61 | armeabi-v7a/libhermes-executor-common-release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------------|---|---|--|---|---|--|--------------------------------------|
| 62 | armeabi-v7a/libturbomodulejsijni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 63 | armeabi-v7a/libreact_debug.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------------|---|---|---|---|---|---|--------------------------------------|
| 64 | armeabi-v7a/libpanorenderer.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. | Partial RELRO warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------------|---|---|--|---|---|--|--------------------------------------|
| 65 | armeabi-v7a/libreactnativeutilsjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|--|--------------------------------------|
| 66 | armeabi-v7a/libhermes-executor-<br>release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 67 | armeabi-v7a/liblogger.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                        | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------------------|---|--|--|---|---|---|--------------------------------------|
| 68 | armeabi-v7a/libreact_render_debug.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|----------------------------|---|---|--|---|---|--|--------------------------------------|
| 69 | armeabi-v7a/librrc_view.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: ['_vsnprintf_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 70 | armeabi-v7a/libfolly_json.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: ['memset_chk', 'vsnprintf_chk', 'memcpy_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 71 | armeabi-v7a/librrc_switch.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT          | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------|---|--|--|---|---|---|--------------------------------------|
| 72 | armeabi-v7a/libkeys.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 73 | armeabi-v7a/libnative-imagetranscoder.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 74 | armeabi-v7a/librrc_scrollview.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 75 | armeabi-v7a/libc++_shared.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 76 | arm64-v8a/libreactperfloggerjni.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|---------------------------|---|---|--|---|---|--|--------------------------------------|
| 77 | arm64-v8a/libfabricjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 78 | arm64-v8a/libreact_render_mapbuffer.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------|---|---|--|---|---|--|--------------------------------------|
| 79 | arm64-v8a/libcryptopp_shared.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: ['FD_SET_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 80 | arm64-v8a/librrc_unimplementedview.so | True info The binary has NX bit set. This marks a memory page nonexecutable making attacker injected shellcode nonexecutable. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 81 | arm64-<br>v8a/libreact_render_textlayoutmanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|---------------------|---|---|--|---|---|--|--------------------------------------|
| 82 | arm64-v8a/libjsi.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 83 | arm64-v8a/libreactconfig.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 84 | arm64-v8a/libglog_init.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT          | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|------------------------|---|--|--|---|---|---|--------------------------------------|
| 85 | arm64-v8a/libbetter.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|----------------------|---|---|--|---|---|---|--------------------------------------|
| 86 | arm64-v8a/libyoga.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: ['vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------|---|---|--|---|---|---|--------------------------------------|
| 87 | arm64-v8a/libfb.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 88 | arm64-v8a/librrc_modal.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 89 | arm64-<br>v8a/libreact_render_componentregistry.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 90 | arm64-v8a/librrc_textinput.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 91 | arm64-v8a/libreact_render_graphics.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|------------------------|---|---|--|---|---|--|--------------------------------------|
| 92 | arm64-v8a/libsodium.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: ['strlen_chk', 'memcpy_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------|---|---|--|---|---|--|--------------------------------------|
| 93 | arm64-v8a/libreactnativeblob.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|---|--------------------------------------|
| 94 | arm64-v8a/libreact_render_scheduler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 95 | arm64-v8a/libreact_render_mounting.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|----|--|---|---|--|---|---|--|--------------------------------------|
| 96 | arm64-v8a/libreact_render_uimanager.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: ['strlen_chk'] | False warning Symbols are available. |

| NO | SHARED OBJECT                        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|--------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 97 | arm64-v8a/libreact_codegen_rncore.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT                                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|---|---|---|--|---|---|---|--------------------------------------|
| 98 | arm64-<br>v8a/libreact_render_imagemanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 99 | arm64-v8a/libjnidispatch.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 100 | arm64-v8a/librrc_root.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 101 | arm64-v8a/libreact_render_core.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 102 | arm64-<br>v8a/libreact_render_attributedstring.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 103 | arm64-<br>v8a/libreact_render_runtimescheduler.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: ['_strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------|---|---|--|---|---|---|--------------------------------------|
| 104 | arm64-v8a/libcsr.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 105 | arm64-v8a/libnative-filters.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|--|--------------------------------------|
| 106 | arm64-v8a/libjscexecutor.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|--|--------------------------------------|
| 107 | arm64-v8a/libreact_nativemodule_core.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 108 | arm64-v8a/libjsinspector.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------|---|---|--|---|---|--|--------------------------------------|
| 109 | arm64-v8a/libglog.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', 'strncat_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 110 | arm64-v8a/libffid_dynamic.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: ['memset_chk', 'memcpy_chk', 'strlen_chk', 'vsprintf_chk', 'vsnprintf_chk', 'strcpy_chk', 'strcat_chk', 'strcat_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED             |
|-----|--|---|---|--|---|---|--|---------------------------------|
| 111 | arm64-<br>v8a/libGHDSDFIUPOIFDLS8DSFN23LK.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: ['vsnprintf_chk', 'memcpy_chk', 'memmove_chk', 'vsprintf_chk', 'strcat_chk'] | True info Symbols are stripped. |

| NO  | SHARED OBJECT                                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 112 | arm64-<br>v8a/libreact_render_templateprocessor.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------|---|---|--|---|---|--|--------------------------------------|
| 113 | arm64-v8a/libfbjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 114 | arm64-v8a/librrc_text.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 115 | arm64-v8a/libreact_utils.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------|---|---|--|---|---|---|--------------------------------------|
| 116 | arm64-v8a/libfaceoff.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 117 | arm64-v8a/libreact_render_leakchecker.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 118 | arm64-v8a/libreact_render_animations.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 119 | arm64-v8a/libtoolChecker.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|--|--------------------------------------|
| 120 | arm64-v8a/libmapbufferjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 121 | arm64-v8a/libimagepipeline.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|--|--------------------------------------|
| 122 | arm64-v8a/libreactnativejni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------|---|---|--|---|---|---|--------------------------------------|
| 123 | arm64-v8a/librrc_progressbar.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 124 | arm64-v8a/libveridiumlicensing.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: ['strchr_chk', 'memcpy_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 125 | arm64-v8a/librrc_slider.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED             |
|-----|----------------------|---|---|--|---|---|---|---------------------------------|
| 126 | arm64-v8a/libe1f9.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | True info Symbols are stripped. |

| NO  | SHARED OBJECT       | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------|---|---|---|---|---|---|--------------------------------------|
| 127 | arm64-v8a/libgvr.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. | Partial RELRO warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|--|--|---|---|---|--------------------------------------|
| 128 | arm64-v8a/libreact_render_telemetry.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 129 | arm64-v8a/libhermes.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: ['strchr_chk', 'strlen_chk', 'vsnprintf_chk', 'memcpy_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 130 | arm64-v8a/libfolly_futures.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: ['FD_ISSET_chk', 'FD_CLR_chk', 'memset_chk', 'memcpy_chk', 'FD_SET_chk', 'vsnprintf_chk', 'read_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 131 | arm64-v8a/libhermes-inspector.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 132 | arm64-v8a/libhermes-executor-common-<br>debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 133 | arm64-v8a/librrc_image.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------------|---|---|--|---|---|--|--------------------------------------|
| 134 | arm64-v8a/libhermes-executor-debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 135 | arm64-v8a/libjsijniprofiler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 136 | arm64-v8a/libhermes-executor-common-release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 137 | arm64-v8a/libturbomodulejsijni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 138 | arm64-v8a/libreact_debug.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|---|---|---|--|--------------------------------------|
| 139 | arm64-v8a/libpanorenderer.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. | Partial RELRO warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | 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: ['FD_SET_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 140 | arm64-v8a/libreactnativeutilsjni.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: ['_strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|--|--------------------------------------|
| 141 | arm64-v8a/libhermes-executor-release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 142 | arm64-v8a/liblogger.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                      | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------------|---|--|--|---|---|---|--------------------------------------|
| 143 | arm64-v8a/libreact_render_debug.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 144 | arm64-v8a/librrc_view.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: ['vsnprintf_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 145 | arm64-v8a/libfolly_json.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: ['memset_chk', 'memcpy_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 146 | arm64-v8a/librrc_switch.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------|---|--|--|---|---|---|--------------------------------------|
| 147 | arm64-v8a/libkeys.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 148 | arm64-v8a/libnative-imagetranscoder.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: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk', 'vsprintf_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 149 | arm64-v8a/librrc_scrollview.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|--|--------------------------------------|
| 150 | arm64-v8a/libc++_shared.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: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk', 'read_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 151 | armeabi-v7a/libreactperfloggerjni.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|--|--------------------------------------|
| 152 | armeabi-v7a/libfabricjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 153 | armeabi-<br>v7a/libreact_render_mapbuffer.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 154 | armeabi-v7a/libcryptopp_shared.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: ['FD_SET_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 155 | armeabi-<br>v7a/librrc_unimplementedview.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 156 | armeabi-<br>v7a/libreact_render_textlayoutmanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------|---|---|--|---|---|--|--------------------------------------|
| 157 | armeabi-v7a/libjsi.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 158 | armeabi-v7a/libreactconfig.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 159 | armeabi-v7a/libglog_init.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|--|--|---|---|---|--------------------------------------|
| 160 | armeabi-v7a/libbetter.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 161 | armeabi-v7a/libyoga.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: ['vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------|---|---|--|---|---|---|--------------------------------------|
| 162 | armeabi-v7a/libfb.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 163 | armeabi-v7a/librrc_modal.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 164 | armeabi-<br>v7a/libreact_render_componentregistry.so | True info The binary has NX bit set. This marks a memory page nonexecutable making attacker injected shellcode nonexecutable. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------|---|---|--|---|---|---|--------------------------------------|
| 165 | armeabi-v7a/librrc_textinput.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 166 | armeabi-v7a/libreact_render_graphics.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 167 | armeabi-v7a/libsodium.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 168 | armeabi-v7a/libreactnativeblob.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 169 | armeabi-v7a/libreact_render_scheduler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 170 | armeabi-v7a/libreact_render_mounting.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 171 | armeabi-<br>v7a/libreact_render_uimanager.so | True info The binary has NX bit set. This marks a memory page nonexecutable making attacker injected shellcode nonexecutable. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 172 | armeabi-v7a/libreact_codegen_rncore.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 173 | armeabi-<br>v7a/libreact_render_imagemanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|--|--|---|---|---|--------------------------------------|
| 174 | armeabi-v7a/libjnidispatch.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 175 | armeabi-v7a/librrc_root.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 176 | armeabi-v7a/libreact_render_core.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 177 | armeabi-<br>v7a/libreact_render_attributedstring.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 178 | armeabi-<br>v7a/libreact_render_runtimescheduler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------|---|---|--|---|---|---|--------------------------------------|
| 179 | armeabi-v7a/libcsr.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 180 | armeabi-v7a/libnative-filters.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|--|--------------------------------------|
| 181 | armeabi-v7a/libjscexecutor.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 182 | armeabi-<br>v7a/libreact_nativemodule_core.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 183 | armeabi-v7a/libjsinspector.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|--|--------------------------------------|
| 184 | armeabi-v7a/libglog.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: ['strncat_chk', 'vsnprintf_chk', 'memcpy_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 185 | armeabi-v7a/libffid_dynamic.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 186 | armeabi-<br>v7a/libGHDSDFIUPOIFDLS8DSFN23LK.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: ['strcat_chk', 'memcpy_chk', 'memmove_chk', 'vsnprintf_chk', 'vsprintf_chk', 'memset_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 187 | armeabi-<br>v7a/libreact_render_templateprocessor.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------|---|---|--|---|---|---|--------------------------------------|
| 188 | armeabi-v7a/libfbjni.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 189 | armeabi-v7a/librrc_text.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 190 | armeabi-v7a/libreact_utils.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 191 | armeabi-v7a/libfaceoff.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 192 | armeabi-<br>v7a/libreact_render_leakchecker.so | True info The binary has NX bit set. This marks a memory page nonexecutable making attacker injected shellcode nonexecutable. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 193 | armeabi-<br>v7a/libreact_render_animations.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 194 | armeabi-v7a/libtoolChecker.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|--|--------------------------------------|
| 195 | armeabi-v7a/libmapbufferjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------|---|---|--|---|---|---|--------------------------------------|
| 196 | armeabi-v7a/libimagepipeline.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 197 | armeabi-v7a/libreactnativejni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 198 | armeabi-v7a/librrc_progressbar.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 199 | armeabi-v7a/libveridiumlicensing.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: ['strchr_chk', 'memcpy_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 200 | armeabi-v7a/librrc_slider.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 201 | armeabi-v7a/libe1f9.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------|---|---|---|---|---|---|--------------------------------------|
| 202 | armeabi-v7a/libgvr.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. | Partial RELRO warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 203 | armeabi-v7a/libreact_render_telemetry.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 204 | armeabi-v7a/libhermes.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------|---|---|--|---|---|--|--------------------------------------|
| 205 | armeabi-v7a/libfolly_futures.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:  ['FD_CLR_chk', 'FD_ISSET_chk', 'memset_chk', 'vsnprintf_chk', 'memcpy_chk', 'read_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 206 | armeabi-v7a/libhermes-inspector.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 207 | armeabi-v7a/libhermes-executor-common-debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 208 | armeabi-v7a/librrc_image.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|--|--------------------------------------|
| 209 | armeabi-v7a/libhermes-executor-debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 210 | armeabi-v7a/libjsijniprofiler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 211 | armeabi-v7a/libhermes-executor-common-release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------------|---|---|--|---|---|--|--------------------------------------|
| 212 | armeabi-v7a/libturbomodulejsijni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 213 | armeabi-v7a/libreact_debug.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|---|---|---|---|--------------------------------------|
| 214 | armeabi-v7a/libpanorenderer.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. | Partial RELRO Warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------------|---|---|--|---|---|--|--------------------------------------|
| 215 | armeabi-v7a/libreactnativeutilsjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|--|--------------------------------------|
| 216 | armeabi-v7a/libhermes-executor-release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 217 | armeabi-v7a/liblogger.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                        | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------------|---|--|--|---|---|---|--------------------------------------|
| 218 | armeabi-v7a/libreact_render_debug.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|--|--------------------------------------|
| 219 | armeabi-v7a/librrc_view.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: ['_vsnprintf_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|--|--------------------------------------|
| 220 | armeabi-v7a/libfolly_json.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: ['_memset_chk', '_vsnprintf_chk', '_memcpy_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 221 | armeabi-v7a/librrc_switch.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|--|--|---|---|---|--------------------------------------|
| 222 | armeabi-v7a/libkeys.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 223 | armeabi-v7a/libnative-imagetranscoder.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 224 | armeabi-v7a/librrc_scrollview.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 225 | armeabi-v7a/libc++_shared.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 226 | arm64-v8a/libreactperfloggerjni.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------|---|---|--|---|---|--|--------------------------------------|
| 227 | arm64-v8a/libfabricjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 228 | arm64-v8a/libreact_render_mapbuffer.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------|---|---|--|---|---|--|--------------------------------------|
| 229 | arm64-v8a/libcryptopp_shared.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: ['FD_SET_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 230 | arm64-v8a/librrc_unimplementedview.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 231 | arm64-<br>v8a/libreact_render_textlayoutmanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------|---|---|--|---|---|--|--------------------------------------|
| 232 | arm64-v8a/libjsi.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 233 | arm64-v8a/libreactconfig.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 234 | arm64-v8a/libglog_init.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|--|--|---|---|---|--------------------------------------|
| 235 | arm64-v8a/libbetter.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------|---|---|--|---|---|---|--------------------------------------|
| 236 | arm64-v8a/libyoga.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: ['vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------|---|---|--|---|---|---|--------------------------------------|
| 237 | arm64-v8a/libfb.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 238 | arm64-v8a/librrc_modal.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 239 | arm64-<br>v8a/libreact_render_componentregistry.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 240 | arm64-v8a/librrc_textinput.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 241 | arm64-v8a/libreact_render_graphics.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|--|--------------------------------------|
| 242 | arm64-v8a/libsodium.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: ['strlen_chk', 'memcpy_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------|---|---|--|---|---|--|--------------------------------------|
| 243 | arm64-v8a/libreactnativeblob.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 244 | arm64-v8a/libreact_render_scheduler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 245 | arm64-v8a/libreact_render_mounting.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 246 | arm64-v8a/libreact_render_uimanager.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------------|---|---|--|---|---|---|--------------------------------------|
| 247 | arm64-v8a/libreact_codegen_rncore.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 248 | arm64-<br>v8a/libreact_render_imagemanager.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 249 | arm64-v8a/libjnidispatch.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 250 | arm64-v8a/librrc_root.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 251 | arm64-v8a/libreact_render_core.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 252 | arm64-<br>v8a/libreact_render_attributedstring.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 253 | arm64-<br>v8a/libreact_render_runtimescheduler.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: ['_strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------|---|---|--|---|---|---|--------------------------------------|
| 254 | arm64-v8a/libcsr.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 255 | arm64-v8a/libnative-filters.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|--|--------------------------------------|
| 256 | arm64-v8a/libjscexecutor.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|--|--------------------------------------|
| 257 | arm64-v8a/libreact_nativemodule_core.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 258 | arm64-v8a/libjsinspector.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------|---|---|--|---|---|--|--------------------------------------|
| 259 | arm64-v8a/libglog.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', 'strncat_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|---|--------------------------------------|
| 260 | arm64-v8a/libffid_dynamic.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: ['memset_chk', 'memcpy_chk', 'strlen_chk', 'vsprintf_chk', 'vsnprintf_chk', 'strcpy_chk', 'strcat_chk', 'strcat_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED             |
|-----|--|---|---|--|---|---|---|---------------------------------|
| 261 | arm64-<br>v8a/libGHDSDFIUPOIFDLS8DSFN23LK.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: ['_vsnprintf_chk', '_memcpy_chk', '_memmove_chk', '_vsprintf_chk', '_strcat_chk'] | True info Symbols are stripped. |

| NO  | SHARED OBJECT                                      | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 262 | arm64-<br>v8a/libreact_render_templateprocessor.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------|---|---|--|---|---|--|--------------------------------------|
| 263 | arm64-v8a/libfbjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|---|--------------------------------------|
| 264 | arm64-v8a/librrc_text.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 265 | arm64-v8a/libreact_utils.so | True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------|---|---|--|---|---|---|--------------------------------------|
| 266 | arm64-v8a/libfaceoff.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|---|--------------------------------------|
| 267 | arm64-v8a/libreact_render_leakchecker.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|---|--------------------------------------|
| 268 | arm64-v8a/libreact_render_animations.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|---|--|---|---|---|--------------------------------------|
| 269 | arm64-v8a/libtoolChecker.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|--|---|---|--|--------------------------------------|
| 270 | arm64-v8a/libmapbufferjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 271 | arm64-v8a/libimagepipeline.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|--|--------------------------------------|
| 272 | arm64-v8a/libreactnativejni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                   | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------|---|---|--|---|---|---|--------------------------------------|
| 273 | arm64-v8a/librrc_progressbar.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|---|--------------------------------------|
| 274 | arm64-v8a/libveridiumlicensing.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: ['strchr_chk', 'memcpy_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 275 | arm64-v8a/librrc_slider.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED             |
|-----|----------------------|---|---|--|---|---|---|---------------------------------|
| 276 | arm64-v8a/libe1f9.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | True info Symbols are stripped. |

| NO  | SHARED OBJECT       | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------|---|---|---|---|---|---|--------------------------------------|
| 277 | arm64-v8a/libgvr.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. | Partial RELRO warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | None info The binary does not have run-time search path or RPATH set. | None info The binary does not have RUNPATH set. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--|---|--|--|---|---|---|--------------------------------------|
| 278 | arm64-v8a/libreact_render_telemetry.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 279 | arm64-v8a/libhermes.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: ['strchr_chk', 'strlen_chk', 'vsnprintf_chk', 'memcpy_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                 | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------|---|---|--|---|---|---|--------------------------------------|
| 280 | arm64-v8a/libfolly_futures.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: ['FD_ISSET_chk', 'FD_CLR_chk', 'memset_chk', 'memcpy_chk', 'FD_SET_chk', 'vsnprintf_chk', 'read_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 281 | arm64-v8a/libhermes-inspector.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                                    | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 282 | arm64-v8a/libhermes-executor-common-<br>debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT             | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------|---|---|--|---|---|---|--------------------------------------|
| 283 | arm64-v8a/librrc_image.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                         | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---------------------------------------|---|---|--|---|---|--|--------------------------------------|
| 284 | arm64-v8a/libhermes-executor-debug.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 285 | arm64-v8a/libjsijniprofiler.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 286 | arm64-v8a/libhermes-executor-common-release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                     | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------------|---|---|--|---|---|--|--------------------------------------|
| 287 | arm64-v8a/libturbomodulejsijni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT               | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|-----------------------------|---|--|--|---|---|---|--------------------------------------|
| 288 | arm64-v8a/libreact_debug.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                | NX  | STACK<br>CANARY   | RELRO   | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------|---|---|---|---|---|--|--------------------------------------|
| 289 | arm64-v8a/libpanorenderer.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. | Partial RELRO warning This shared object has partial RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In partial RELRO, the non-PLT part of the GOT section is read only but .got.plt is still writeable. Use the option - z,relro,- z,now to enable full RELRO. | 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: ['FD_SET_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                       | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|-------------------------------------|---|---|--|---|---|--|--------------------------------------|
| 290 | arm64-v8a/libreactnativeutilsjni.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                           | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|---|---|---|--|---|---|--|--------------------------------------|
| 291 | arm64-v8a/libhermes-executor-release.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: ['strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------|---|---|--|---|---|---|--------------------------------------|
| 292 | arm64-v8a/liblogger.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                      | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|------------------------------------|---|--|--|---|---|---|--------------------------------------|
| 293 | arm64-v8a/libreact_render_debug.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT            | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------|---|---|--|---|---|--|--------------------------------------|
| 294 | arm64-v8a/librrc_view.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: ['_vsnprintf_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 295 | arm64-v8a/libfolly_json.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: ['memset_chk', 'memcpy_chk', 'vsnprintf_chk', 'strlen_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|---|--------------------------------------|
| 296 | arm64-v8a/librrc_switch.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT        | NX  | STACK<br>CANARY  | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|----------------------|---|--|--|---|---|---|--------------------------------------|
| 297 | arm64-v8a/libkeys.so | True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This binary does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries. Not applicable for Dart/Flutter libraries unless Dart FFI is used. | 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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT                          | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|--|---|---|--|---|---|--|--------------------------------------|
| 298 | arm64-v8a/libnative-imagetranscoder.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: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk', 'vsprintf_chk'] | False warning Symbols are available. |

| NO  | SHARED OBJECT                  | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY   | SYMBOLS<br>STRIPPED                  |
|-----|--------------------------------|---|---|--|---|---|---|--------------------------------------|
| 299 | arm64-v8a/librrc_scrollview.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. | False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries. | False warning Symbols are available. |

| NO  | SHARED OBJECT              | NX  | STACK<br>CANARY   | RELRO  | RPATH   | RUNPATH   | FORTIFY  | SYMBOLS<br>STRIPPED                  |
|-----|----------------------------|---|---|--|---|---|--|--------------------------------------|
| 300 | arm64-v8a/libc++_shared.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: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk', 'read_chk'] | False warning Symbols are available. |

# ■ NIAP ANALYSIS v1.3

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

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

| TYPE                           | MATCHES | PERMISSIONS  |
|--------------------------------|---------|--|
| Malware<br>Permissions         | 13/24   | android.permission.ACCESS_NETWORK_STATE, android.permission.INTERNET, android.permission.ACCESS_FINE_LOCATION, android.permission.ACCESS_COARSE_LOCATION, android.permission.WAKE_LOCK, android.permission.WRITE_EXTERNAL_STORAGE, android.permission.ACCESS_WIFI_STATE, android.permission.CAMERA, android.permission.VIBRATE, android.permission.READ_EXTERNAL_STORAGE, android.permission.SYSTEM_ALERT_WINDOW, android.permission.RECORD_AUDIO, android.permission.READ_PHONE_STATE |
| Other<br>Common<br>Permissions | 4/45    | android.permission.FOREGROUND_SERVICE, android.permission.FLASHLIGHT, com.google.android.c2dm.permission.RECEIVE, 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  |
|---|--------|--|
| unikrew-faceoff-licensing.azurewebsites.net | ok     | IP: 65.52.250.96 Country: United Arab Emirates Region: Dubayy City: Dubai Latitude: 25.258169 Longitude: 55.304722 View: Google Map                    |
| ebanking.meezanbank.com                     | ok     | IP: 104.18.0.183 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map  |
| apache.org                                  | ok     | IP: 151.101.2.132 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map |
| www.aiim.org                                | ok     | IP: 199.60.103.31 Country: United States of America Region: Massachusetts City: Cambridge Latitude: 42.370129 Longitude: -71.086304 View: Google Map   |

| DOMAIN                  | STATUS | GEOLOCATION  |
|-------------------------|--------|--|
| iptc.org                | ok     | IP: 3.64.29.21 Country: Germany Region: Hessen City: Frankfurt am Main Latitude: 50.115520 Longitude: 8.684170 View: Google Map                        |
| xmlpull.org             | ok     | IP: 185.199.108.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map |
| hapi.dbp.thalescloud.io | ok     | IP: 75.2.59.43 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map          |
| javax.xml.xmlconstants  | ok     | No Geolocation information available.  |
| wa.me                   | ok     | IP: 157.240.227.60 Country: Netherlands Region: Noord-Holland City: Amsterdam Latitude: 52.374031 Longitude: 4.889690 View: Google Map                 |

| DOMAIN                                      | STATUS | GEOLOCATION   |
|---|--------|---|
| cipa.jp                                     | ok     | IP: 118.82.81.189 Country: Japan Region: Tokyo City: Tokyo Latitude: 35.689507 Longitude: 139.691696 View: Google Map                                   |
| maps.gstatic.com                            | ok     | IP: 172.217.19.195 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| www.youtube.com                             | ok     | IP: 142.250.181.14 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| schemas.android.com                         | ok     | No Geolocation information available.   |
| unikrew-faceoff-telemetry.azurewebsites.net | ok     | IP: 65.52.250.96 Country: United Arab Emirates Region: Dubayy City: Dubai Latitude: 25.258169 Longitude: 55.304722 View: Google Map                     |

| DOMAIN                                 | STATUS | GEOLOCATION   |
|--|--------|---|
| xerces.apache.org                      | ok     | IP: 151.101.2.132 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map  |
| play.googleapis.com                    | ok     | IP: 216.239.34.223 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| faceoffmobilebackend.azurewebsites.net | ok     | IP: 13.77.82.141 Country: United States of America Region: Virginia City: Boydton Latitude: 36.667641 Longitude: -78.387497 View: Google Map            |
| xml.org                                | ok     | IP: 104.239.240.11 Country: United States of America Region: Texas City: Windcrest Latitude: 29.499678 Longitude: -98.399246 View: Google Map           |

| DOMAIN             | STATUS | GEOLOCATION   |
|--------------------|--------|---|
| github.com         | ok     | IP: 20.207.73.82  Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map        |
| www.oasis-open.org | ok     | IP: 172.99.100.168 Country: United States of America Region: Texas City: Windcrest Latitude: 29.499678 Longitude: -98.399246 View: Google Map           |
| www.w3.org         | ok     | IP: 104.18.23.19 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map   |
| play.google.com    | ok     | IP: 172.217.17.78  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |

| DOMAIN                                  | STATUS | GEOLOCATION  |
|---|--------|--|
| www.meezanbank.com                      | ok     | IP: 104.18.1.183  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map |
| mbanking.meezanbank.com                 | ok     | IP: 110.93.222.140 Country: Pakistan Region: Sindh City: Karachi Latitude: 24.905600 Longitude: 67.082199 View: Google Map                             |
| easyremit.meezanbank.com                | ok     | IP: 103.157.214.34 Country: Pakistan Region: Sindh City: Karachi Latitude: 24.905600 Longitude: 67.082199 View: Google Map                             |
| faceoffauthentication.azurewebsites.net | ok     | IP: 13.77.82.141 Country: United States of America Region: Virginia City: Boydton Latitude: 36.667641 Longitude: -78.387497 View: Google Map           |
| meezan-faceoff-backend.covalent.pk      | ok     | No Geolocation information available.  |

| DOMAIN                          | STATUS | GEOLOCATION   |
|---------------------------------|--------|---|
| ns.useplus.org                  | ok     | IP: 54.83.4.77  Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map             |
| www.npes.org                    | ok     | IP: 172.67.183.61 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map  |
| android.googlesource.com        | ok     | IP: 142.251.168.82 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map |
| mbl.inov8.com.pk                | ok     | No Geolocation information available.   |
| licensing.prod.veridium-dev.com | ok     | IP: 3.64.32.202 Country: Germany Region: Hessen City: Frankfurt am Main Latitude: 50.115520 Longitude: 8.684170 View: Google Map                        |
| ns.adobe.com                    | ok     | No Geolocation information available.   |

| DOMAIN                         | STATUS | GEOLOCATION  |
|--------------------------------|--------|--|
| google.com                     | ok     | IP: 142.250.181.78 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map  |
| purl.org                       | ok     | IP: 207.241.239.241 Country: United States of America Region: California City: San Francisco Latitude: 37.781734 Longitude: -122.459435 View: Google Map |
| meezan-faceoff-ids.covalent.pk | ok     | No Geolocation information available.  |



| EMAIL   | FILE   |
|---|--|
| service.quality@meezanbank.com<br>abc.efg@inov8.com | Android String Resource                        |
| vr-builder@vwiq13-v6.prod                           | apktool_out/lib/armeabi-v7a/libgvr.so          |
| vr-builder@vwiq13-v6.prod                           | apktool_out/lib/armeabi-v7a/libpanorenderer.so |
| vr-builder@vwiq13-v6.prod                           | apktool_out/lib/arm64-v8a/libgvr.so            |

| EMAIL                     | FILE   |
|---------------------------|--|
| vr-builder@vwiq13-v6.prod | apktool_out/lib/arm64-v8a/libpanorenderer.so |
| vr-builder@vwiq13-v6.prod | lib/armeabi-v7a/libgvr.so                    |
| vr-builder@vwiq13-v6.prod | lib/armeabi-v7a/libpanorenderer.so           |
| vr-builder@vwiq13-v6.prod | lib/arm64-v8a/libgvr.so                      |
| vr-builder@vwiq13-v6.prod | lib/arm64-v8a/libpanorenderer.so             |

# **TRACKERS**

| TRACKER                   | CATEGORIES | URL  |
|---------------------------|------------|--|
| Google Analytics          | Analytics  | https://reports.exodus-privacy.eu.org/trackers/48  |
| Google Firebase Analytics | Analytics  | https://reports.exodus-privacy.eu.org/trackers/49  |
| Google Tag Manager        | Analytics  | https://reports.exodus-privacy.eu.org/trackers/105 |

# **₽** HARDCODED SECRETS

### POSSIBLE SECRETS

"user\_name" : "Username"

"google\_api\_key": "AlzaSyD\_BeFGzUUQ7DV0vHTPg481RJrEzza32Dk"

"face\_off\_license\_key": "MTU1LDQ0LDIzMiw1Nyw1NCwyMjgsNDgsMzEsMTlwLDIxMSwxNTUsMTUsNDAsOTUsMTY5LDUzLDI1LDIxNCwxMTUsNjQsMjQ3LDE4Myw5NywzNSwx
ODYsMjQsMzYsMTQwLDExNiwxNTksMjAyLDIxMyw5NiwyMjksMjM2LDgxLDY3LDgxLDM2LDE5NiwzMiw0OSwxNzQsOTYsNiwxMjlsMjMwLDE0MSwxMjUsMzAsNzcsMj11LDcxLD
ExNywxNzQsMTg5LDcwLDkyLDI0NSw1MiwyMDAsMTI5LDY1LDIzMiw1MCwxMDgsOTIsMjQyLDEzLDE3MiwxNzcsMTg4LDE3NCw4NSwxOTEsMTlzLDE3NCwzMiw4NiwxOTMsMT
Q1LDE2NCwxNTlsMjlyLDExMSw4NCw1MCw5MiwzMCwyMjcsMTEsNiwwLDI1NCwxNDYsMjM2LDE3NywyMSwyMjlsMTgsMzksMTkzLDI0NSwxODEsMTU5LDE4MiwxNjcsNjlsMzA
sMjQsMTcyLDIxNiwxNDksMTcwLDEyMiwyMzUsNDEsMjksODAsMjQsMTk2LDg3LDIxLDlwMiwxNTQsMTgwLDI3LDQ5LDE2Miw1LDIzOSwxMjYsMjUxLDEwNSw1MCwyNDYsMTlz
LDYzLDYzLDE3NCwyMjUsODIsMjQ3LDk0LDIzNywyMDMsMTAzLDE3LDcwLDIyMSw4NiwxOTQsODgsMTAyLDExNSwyMzcsNTMsMTc5LDI0OSwxNjlsMjA0LDEzMCwyMywxMzEs
MTlxLDIxLDEyMSw0Miw2NiwxNDgsNjUsOTEsMTExLDIzMiwxNzgsMTg2LDQ4LDI5LDIxMSwyNTUsMTc1LDIwOSwxMjQsMjQ0LDIxMCwyMDgsNTcsMTMzLDEwMSw3Miw2OSwx
OTIsMTY5LDcyLDE1MSw2MiwxMywxOTYsMTU2LDIzNiw2NSw5NSw3MiwxODcsMjlxLDEzOSwyNSwyNCwyMjYsNTYsMTE1LDYzLDIyOCwxNzcsMjl4LDUsMTU2LDI0MiwxMjQsM
TU4LDM5LDYxLDIxMSwyMzQsODksMTQ5LDcwLDI1MSwxMDIsMTczLDM3LDcsMzAsMTkwLDE4NCwyMzYsMTE3LDEzLDExMCwxMTIsODksNCwxNywyMzEsMjExLDEwMy
w5NiwxNzUsNzlsMTQ0LDExMiw0MSwyMDEsMTEwLDQzLDEsMCwxLA=="

"google\_maps\_api\_key": "AlzaSyDL8H2kty2e7T\_8hNZX4UW2S3-4syXO0xE"

"password": "Password"

"google\_crash\_reporting\_api\_key": "AlzaSyD\_BeFGzUUQ7DV0vHTPg481RJrEzza32Dk"

659EF8BA043916EEDE8911702B22

28792665814854611296992347458380284135028636778229113005756334730996303888124

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 $139454871199115825601409655107690713107041707059928031797758001454375765357722984094124368522288239833039114681648076688236921220737322672160\\740747771700911134550432053804647694904686120113087816240740184800477047157336662926249423571248823968542221753660143391485680840520336859458\\494803187341288580489525163$ 

0401A57A6A7B26CA5EF52FCDB816479700B3ADC94ED1FE674C06E695BABA1D

02120FC05D3C67A99DE161D2F4092622FECA701BE4F50F4758714E8A87BBF2A658EF8C21E7C5EFE965361F6C2999C0C247B0DBD70CE6B7

| POSSIBLE SECRETS   |
|--|
| 04925BE9FB01AFC6FB4D3E7D4990010F813408AB106C4F09CB7EE07868CC136FFF3357F624A21BED5263BA3A7A27483EBF6671DBEF7ABB30EBEE084E58A0B077AD42A5A098<br>9D1EE71B1B9BC0455FB0D2C3                                 |
| 0713612DCDDCB40AAB946BDA29CA91F73AF958AFD9   |
| fffffff00000000fffffffffffffbce6faada7179e84f3b9cac2fc632551   |
| C302F41D932A36CDA7A3463093D18DB78FCE476DE1A86297   |
| B99B99B099B323E02709A4D696E6768756151751   |
| 51DEF1815DB5ED74FCC34C85D709   |
| BD71344799D5C7FCDC45B59FA3B9AB8F6A948BC5   |
| 115792089237316195423570985008687907853269984665640564039457584007913129639316   |
| 04AA87CA22BE8B05378EB1C71EF320AD746E1D3B628BA79B9859F741E082542A385502F25DBF55296C3A545E3872760AB73617DE4A96262C6F5D9E98BF9292DC29F8F41DB<br>D289A147CE9DA3113B5F0B8C00A60B1CE1D7E819D7A431D7C90EA0E5F |
| b54bb9edff22051d9ee60f9351a48591b6500a319429c069a3e335a1d6171391   |
| 0429A0B6A887A983E9730988A68727A8B2D126C44CC2CC7B2A6555193035DC76310804F12E549BDB011C103089E73510ACB275FC312A5DC6B76553F0CA   |
| 114ca50f7a8e2f3f657c1108d9d44cfd8  |
| 0017858FEB7A98975169E171F77B4087DE098AC8A911DF7B01   |
| 1C97BEFC54BD7A8B65ACF89F81D4D4ADC565FA45   |
| 004D696E67687561517512D8F03431FCE63B88F4   |

| POSSIBLE SECRETS  |
|---|
| 5363ad4cc05c30e0a5261c028812645a122e22ea20816678df02967c1b23bd72  |
| 26DC5C6CE94A4B44F330B5D9BBD77CBF958416295CF7E1CE6BCCDC18FF8C07B6  |
| 68A5E62CA9CE6C1C299803A6C1530B514E182AD8B0042A59CAD29F43  |
| 6A941977BA9F6A435199ACFC51067ED587F519C5ECB541B8E44111DE1D40  |
| 7d7374168ffe3471b60a857686a19475d3bfa2ff  |
| 040081BAF91FDF9833C40F9C181343638399078C6E7EA38C001F73C8134B1B4EF9E150  |
| 046AB1E344CE25FF3896424E7FFE14762ECB49F8928AC0C76029B4D5800374E9F5143E568CD23F3F4D7C0D4B1E41C8CC0D1C6ABD5F1A46DB4C  |
| 64210519e59c80e70fa7e9ab72243049feb8deecc146b9b1  |
| AADD9DB8DBE9C48B3FD4E6AE33C9FC07CB308DB3B3C9D20ED6639CCA703308717D4D9B009BC66842AECDA12AE6A380E62881FF2F2D82C68528AA6056583A48F3  |
| 0066647EDE6C332C7F8C0923BB58213B333B20E9CE4281FE115F7D8F90AD  |
| 3086d221a7d46bcde86c90e49284eb153dab  |
| 020A601907B8C953CA1481EB10512F78744A3205FD  |
| 04B199B13B9B34EFC1397E64BAEB05ACC265FF2378ADD6718B7C7C1961F0991B842443772152C9E0AD  |
| 7deb1b194a85bcfd29cf871411468adbc987650903e3bacc8338c449ca7b32efd39ffc33bc84412fcd7df18d23ce9d7c25ea910b1ae9985373e0273b4dca7f2e0db3b7314056ac67fd 277f8f89cf2fd73c34c6ca69f9ba477143d2b0e2445548aa0b4a8473095182631da46844c356f5e5c7522eb54b5a33f11d730ead9c0cff |
| 0228F9D04E900069C8DC47A08534FE76D2B900B7D7EF31F5709F200C4CA205  |
| 6b8cf07d4ca75c88957d9d67059037a4  |

| POSSIBLE SECRETS   |
|--|
| 64033881142927202683649881450433473985931760268884941288852745803908878638612  |
| 8CB91E82A3386D280F5D6F7E50E641DF152F7109ED5456B412B1DA197FB71123ACD3A729901D1A71874700133107EC53                                 |
| 3045AE6FC8422F64ED579528D38120EAE12196D5   |
| c39c6c3b3a36d7701b9c71a1f5804ae5d0003f4  |
| 985BD3ADBAD4D696E676875615175A21B43A97E3   |
| d3d83daf2a0cecd3367ae6f8ae1aeb82e9ac2f816c6fc483533d8297dd7884cd   |
| A7F561E038EB1ED560B3D147DB782013064C19F27ED27C6780AAF77FB8A547CEB5B4FEF422340353   |
| 9f66f6b05410cd503b2709e88115d55daced94d1a34d4e32bf824d0dde6028ae79c5f07b580f5dce240d7111f7ddb130a7945cd7d957d1920994da389f490c89 |
| b8adf1378a6eb73409fa6c9c637ba7f5   |
| eEDhEhDXpPEuGSvrYVuKHH/BBNNDRKn6Qx7eYFniME0=   |
| 96341f1138933bc2f503fd44   |
| 4B337D934104CD7BEF271BF60CED1ED20DA14C08B3BB64F18A60888D   |
| 36DF0AAFD8B8D7597CA10520D04B   |
| 0021A5C2C8EE9FEB5C4B9A753B7B476B7FD6422EF1F3DD674761FA99D6AC27C8A9A197B272822F6CD57A55AA4F50AE317B13545F                         |
| b4a7e46170574f16a97082b22be58b6a2a629798419be12872a4bdba626cfae9900f76abfb12139dce5de56564fab2b6543165a040c606887420e33d91ed7ed7 |
| F1FD178C0B3AD58F10126DE8CE42435B3961ADBCABC8CA6DE8FCF353D86E9C03   |

| POSSIBLE SECRETS  |
|---|
| 04009D73616F35F4AB1407D73562C10F00A52830277958EE84D1315ED31886  |
| 0400D9B67D192E0367C803F39E1A7E82CA14A651350AAE617E8F01CE94335607C304AC29E7DEFBD9CA01F596F927224CDECF6C  |
| 79885141663410976897627118935756323747307951916507639758300472692338873533959   |
| 71169be7330b3038edb025f1d0f9  |
| 2580F63CCFE44138870713B1A92369E33E2135D266DBB372386C400B  |
| 041D1C64F068CF45FFA2A63A81B7C13F6B8847A3E77EF14FE3DB7FCAFE0CBD10E8E826E03436D646AAEF87B2E247D4AF1E8ABE1D7520F9C2A45CB1EB8E95CFD55262B70B29<br>FEEC5864E19C054FF99129280E4646217791811142820341263C5315  |
| 0443BD7E9AFB53D8B85289BCC48EE5BFE6F20137D10A087EB6E7871E2A10A599C710AF8D0D39E2061114FDD05545EC1CC8AB4093247F77275E0743FFED117182EAA9C7787<br>7AAAC6AC7D35245D1692E8EE1  |
| 0051953EB9618E1C9A1F929A21A0B68540EEA2DA725B99B315F3B8B489918EF109E156193951EC7E937B1652C0BD3BB1BF073573DF883D2C34F1EF451FD46B503F00  |
| 21c8b5470a64adbb25bc84316cbc449361d86839  |
| 010090512DA9AF72B08349D98A5DD4C7B0532ECA51CE03E2D10F3B7AC579BD87E909AE40A6F131E9CFCE5BD967  |
| ChNjb20uYW5kcm9pZC52ZW5kaW5nCiBjb20uZ29vZ2xlLmFuZHJvaWQuYXBwcy5tZWV0aW5ncwohY29tLmdvb2dsZS5hbmRyb2lkLmFwcHMubWVzc2FnaW5n  |
| 133531813272720673433859519948319001217942375967847486899482359599369642528734712461590403327731821410328012529253871914788598993103310567744<br>136196364803064721377826656898686468463277710150809401182608770201615324990468332931294920912776241137878030224355746606283971659376426832674<br>269780880061631528163475887 |
| 790408F2EEDAF392B012EDEFB3392F30F4327C0CA3F31FC383C422AA8C16  |
| b8f52fc6f38593dabb661d3f50f8897f8106eee68b1bce78a95b132b4e5b5d19  |
| e4437ed6010e88286f547fa90abfe4c42212  |

77E2B07370EB0F832A6DD5B62DFC88CD06BB84BE

8CB91E82A3386D280F5D6F7E50E641DF152F7109ED5456B412B1DA197FB71123ACD3A729901D1A71874700133107EC50 D6031998D1B3BBFEBF59CC9BBFF9AEE1 04B6B3D4C356C139EB31183D4749D423958C27D2DCAF98B70164C97A2DD98F5CFF6142E0F7C8B204911F9271F0F3ECEF8C2701C307E8E4C9E183115A1554062CFB 520883949DFDBC42D3AD198640688A6FE13F41349554B49ACC31DCCD884539816F5EB4AC8FB1F1A6 29818893917731240733471273240314769927240550812383695689146495261604565990247 dae7651ee69ad1d081ec5e7188ae126f6004ff39556bde90e0b870962fa7b926d070686d8244fe5a9aa709a95686a104614834b0ada4b10f53197a5cb4c97339 0452DCB034293A117E1F4FF11B30F7199D3144CE6DFEAFFEF2E331F296E071FA0DF9982CFEA7D43F2E 3086d221a7d46bcde86c90e49284eb15 57896044618658097711785492504343953926634992332820282019728792003956564823193 142011741597563481196368286022318089743276138395243738762872573441927459393512718973631166078467600360848946623567625795282774719212241929071 046134208380636394084512691828894000571524625445295769349356752728956831541775441763139384457191755096847107846595662547942312293338483924514 339614727760681880609734239 71169be7330b3038edb025f1 00E0D2EE25095206F5E2A4F9ED229F1F256E79A0E2B455970D8D0D865BD94778C576D62F0AB7519CCD2A1A906AE30D f75e80839b9b9379f1cf1128f321639757dba514642c206bbbd99f9a4846208b3e93fbbe5e0527cc59b1d4b929d9555853004c7c8b30ee6a213c3d1bb7415d03

# **POSSIBLE SECRETS** 03375D4CE24FDE434489DE8746E71786015009E66E38A926DD D35E472036BC4FB7E13C785ED201E065F98FCFA6F6F40DEF4F92B9EC7893EC28FCD412B1F1B32E27 e44046539bb5b584279553ca6eacca937c8e16cf 30820122300d06092a864886f70d01010105000382010f003082010a02820101009cc2ba4a405fb718076c2ba8186795fad4e00951e6aa0ea7bf0a3d2b56cfeb53cc02e0f4159af67 38736a56aefc53851894fd4055b74c172114212f907b5157dbb578768f7d12188098382184284525b585719296af7cdb92b793b9b119ba6cc1b5b1020338afd7f5a51166404a8c2b bcd953566b8f63c3e04d4edb9c3f7b21d49ee57ec53b93646cc715dc2f739c3e4f92317aee8334f5626a7fd6425a97d06986064f111f6ff219af5da0d94ecff9f486b8792c843b8800cf 343c029ad53a7d7034010264f7fea745d970894588283dc845f8ce1c8eeb00ead4c1c8108b139d10eda9325468fdce2178c7a0be75facf9998959f7195d204a89b1fb6dc234490203 010001 6c929e4e81672fef49d9c825163fec97c4b7ba7acb26c0824638ac22605d7201c94625770984f78a56e6e25904fe7db407099cad9b14588841b94f5ab498dded C302F41D932A36CDA7A3462F9E9E916B5BE8F1029AC4ACC1 047B6AA5D85E572983E6FB32A7CDEBC14027B6916A894D3AEE7106FE805FC34B44 2E45EF571F00786F67B0081B9495A3D95462F5DE0AA185EC 3045AE6FC8422f64ED579528D38120EAE12196D5 6e2c7e24b7c7eae9fc94882c9f31befa00594872 04B70E0CBD6BB4BF7F321390B94A03C1D356C21122343280D6115C1D21BD376388B5F723FB4C22DFE6CD4375A05A07476444D5819985007E34 7167EFC92BB2E3CE7C8AAAFF34E12A9C557003D7C73A6FAF003F99F6CC8482E540F7 02F40E7E2221F295DE297117B7F3D62F5C6A97FFCB8CEFF1CD6BA8CE4A9A18AD84FFABBD8EFA59332BE7AD6756A66E294AFD185A78FF12AA520E4DE739BACA0C7FFEFF7F29 55727A

70390085352083305199547718019018437841079516630045180471284346843705633502619

| POSSIBLE SECRETS   |
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| 0370F6E9D04D289C4E89913CE3530BFDE903977D42B146D539BF1BDE4E9C92   |
| 662C61C430D84EA4FE66A7733D0B76B7BF93EBC4AF2F49256AE58101FEE92B04   |
| 0095E9A9EC9B297BD4BF36E059184F   |
| 7830A3318B603B89E2327145AC234CC594CBDD8D3DF91610A83441CAEA9863BC2DED5D5AA8253AA10A2EF1C98B9AC8B57F1117A72BF2C7B9E7C1AC4D77FC94CA   |
| 04B8266A46C55657AC734CE38F018F2192   |
| 07A526C63D3E25A256A007699F5447E32AE456B50E   |
| 8CB91E82A3386D280F5D6F7E50E641DF152F7109ED5456B31F166E6CAC0425A7CF3AB6AF6B7FC3103B883202E9046565   |
| 0101BAF95C9723C57B6C21DA2EFF2D5ED588BDD5717E212F9D   |
| 4230017757A767FAE42398569B746325D45313AF0766266479B75654E65F   |
| 70390085352083305199547718019018437840920882647164081035322601458352298396601  |
| 3DF91610A83441CAEA9863BC2DED5D5AA8253AA10A2EF1C98B9AC8B57F1117A72BF2C7B9E7C1AC4D77FC94CADC083E67984050B75EBAE5DD2809BD638016F723   |
| 0400FAC9DFCBAC8313BB2139F1BB755FEF65BC391F8B36F8F8EB7371FD558B01006A08A41903350678E58528BEBF8A0BEFF867A7CA36716F7E01F81052   |
| 31a92ee2029fd10d901b113e990710f0d21ac6b6   |
| 10B7B4D696E676875615175137C8A16FD0DA2211   |
| 04015D4860D088DDB3496B0C6064756260441CDE4AF1771D4DB01FFE5B34E59703DC255A868A1180515603AEAB60794E54BB7996A70061B1CFAB6BE5F32BBFA78324ED10<br>6A7636B9C5A7BD198D0158AA4F5488D08F38514F1FDF4B4F40D2181B3681C364BA0273C706 |
| 103FAEC74D696E676875615175777FC5B191EF30   |

| POSSIBLE SECRETS   |
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| 127971af8721782ecffa3  |
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| 883423532389192164791648750360308885314476597252960362792450860609699839   |
| 0257927098FA932E7C0A96D3FD5B706EF7E5F5C156E16B7E7C86038552E91D   |
| 806936c2f51178e6346256cbd495d5c6797b224d   |
| 04C0A0647EAAB6A48753B033C56CB0F0900A2F5C4853375FD614B690866ABD5BB88B5F4828C1490002E6773FA2FA299B8F                                 |
| 048BD2AEB9CB7E57CB2C4B482FFC81B7AFB9DE27E1E3BD23C23A4453BD9ACE3262547EF835C3DAC4FD97F8461A14611DC9C27745132DED8E545C1D54C72F046997 |
| 255705fa2a306654b1f4cb03d6a750a30c250102d4988717d9ba15ab6d3e   |
| 7BC382C63D8C150C3C72080ACE05AFA0C2BEA28E4FB22787139165EFBA91F90F8AA5814A503AD4EB04A8C7DD22CE2826                                   |
| D2C0FB15760860DEF1EEF4D696E6768756151754   |
| 9162fbe73984472a0a9d0590   |
| 07A11B09A76B562144418FF3FF8C2570B8   |
| 1d1a2d3ca8e52068b3094d501c9a842fec37f54db16e9a67070a8b3f53cc03d4257ad252a1a640eadd603724d7bf3737914b544ae332eedf4f34436cac25ceb5   |
| 00FC1217D4320A90452C760A58EDCD30C8DD069B3C34453837A34ED50CB54917E1C2112D84D164F444F8F74786046A                                     |
| 036b17d1f2e12c4247f8bce6e563a440f277037d812deb33a0f4a13945d898c296   |
| 682ede816988e58fb6d057d9d85605e0   |

| POSSIBLE SECRETS   |  |  |
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| 026108BABB2CEEBCF787058A056CBE0CFE622D7723A289E08A07AE13EF0D10D171DD8D                             |  |  |
| 00BDDB97E555A50A908E43B01C798EA5DAA6788F1EA2794EFCF57166B8C14039601E55827340BE                     |  |  |
| D7C134AA264366862A18302575D1D787B09F075797DA89F57EC8C0FF   |  |  |
| 6277101735386680763835789423207666416083908700390324961279   |  |  |
| c0a0758cdf14256f78d4708c86becdead1b50ad4ad6c5c703e2168fbf37884cb                                   |  |  |
| 28091019353058090096996979000309560759124368558014865957655842872397301267595                      |  |  |
| 04DB4FF10EC057E9AE26B07D0280B7F4341DA5D1B1EAE06C7D9B2F2F6D9C5628A7844163D015BE86344082AA88D95E2F9D |  |  |
| 401028774D7777C7B7666D1366EA432071274F89FF01E718   |  |  |
| eyJzdWliOilxMjYTNOM3ODkwliwibmFtZSI6lkpvaG4gRG9lliwiaWF0ljoxNTE2MjM5MDlyfQ                         |  |  |
| cc22d6dfb95c6b25e49c0d6364a4e5980c393aa21668d953   |  |  |
| 0403F0EBA16286A2D57EA0991168D4994637E8343E3600D51FBC6C71A0094FA2CDD545B11C5C0C797324F1             |  |  |
| 6b016c3bdcf18941d0d654921475ca71a9db2fb27d1d37796185c2942c0a                                       |  |  |
| c469684435deb378c4b65ca9591e2a5763059a2e   |  |  |
| 002757A1114D696E6768756151755316C05E0BD4   |  |  |
| 040369979697AB43897789566789567F787A7876A65400435EDB42EFAFB2989D51FEFCE3C80988F41FF883             |  |  |
| 010092537397ECA4F6145799D62B0A19CE06FE26AD   |  |  |

| POSSIBLE SECRETS   |  |
|--|--|
| 027d29778100c65a1da1783716588dce2b8b4aee8e228f1896   |  |
| f01734d7960ea60070f1b06f2bb81bfac48ff192ae18451d5e56c734a5aab8a5   |  |
| 01AF286BCA1AF286BCA1AF286BCA1AF286BCA1AF286BC9FB8F6B85C556892C20A7EB964FE7719E74F490758D3B   |  |
| 3EE30B568FBAB0F883CCEBD46D3F3BB8A2A73513F5EB79DA66190EB085FFA9F492F375A97D860EB4   |  |
| 023809B2B7CC1B28CC5A87926AAD83FD28789E81E2C9E3BF10   |  |
| 68363196144955700784444165611827252895102170888761442055095051287550314083023  |  |
| 0202F9F87B7C574D0BDECF8A22E6524775F98CDEBDCB   |  |
| 03F7061798EB99E238FD6F1BF95B48FEEB4854252B   |  |
| 85E25BFE5C86226CDB12016F7553F9D0E693A268   |  |
| 046B17D1F2E12C4247F8BCE6E563A440F277037D812DEB33A0F4A13945D898C2964FE342E2FE1A7F9B8EE7EB4A7C0F9E162BCE33576B315ECECBB6406837BF51F5 |  |
| 04161FF7528B899B2D0C28607CA52C5B86CF5AC8395BAFEB13C02DA292DDED7A83   |  |
| D7C134AA264366862A18302575D1D787B09F075797DA89F57EC8C0FC   |  |
| 7D5A0975FC2C3057EEF67530417AFFE7FB8055C126DC5C6CE94A4B44F330B5D9   |  |
| 115792089210356248762697446949407573530086143415290314195533631308867097853951   |  |
| 10C0FB15760860DEF1EEF4D696E676875615175D   |  |
| 0101D556572AABAC800101D556572AABAC8001022D5C91DD173F8FB561DA6899164443051D   |  |

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| POSSIBLE SECRETS   |  |  |
|--|--|--|
| 617fab6832576cbbfed50d99f0249c3fee58b94ba0038c7ae84c8c832f2c   |  |  |
| 00C9517D06D5240D3CFF38C74B20B6CD4D6F9DD4D9   |  |  |
| 005DDA470ABE6414DE8EC133AE28E9BBD7FCEC0AE0FFF2   |  |  |
| 5037EA654196CFF0CD82B2C14A2FCF2E3FF8775285B545722F03EACDB74B   |  |  |
| 6c641094e24d172728b8da3c2777e69adfd0839085be7e38c7c4a2dd00b1ae969f2ec9d23e7e37090fcd449a40af0ed463fe1c612d6810d6b4f58b7bfa31eb5f |  |  |
| 020ffa963cdca8816ccc33b8642bedf905c3d358573d3f27fbbd3b3cb9aaaf   |  |  |
| 00F50B028E4D696E676875615175290472783FB1   |  |  |
| 03eea2bae7e1497842f2de7769cfe9c989c072ad696f48034a   |  |  |
| 57896044618658097711785492504343953926634992332820282019728792003956564823190  |  |  |
| FFFFFFE0000000075A30D1B9038A115  |  |  |
| 02197B07845E9BE2D96ADB0F5F3C7F2CFFBD7A3EB8B6FEC35C7FD67F26DDF6285A644F740A2614   |  |  |
| 4099B5A457F9D69F79213D094C4BCD4D4262210B   |  |  |
| 115792089237316195423570985008687907853269984665640564039457584007913129639319   |  |  |
| 00689918DBEC7E5A0DD6DFC0AA55C7   |  |  |
| 7A556B6DAE535B7B51ED2C4D7DAA7A0B5C55F380   |  |  |
| A9FB57DBA1EEA9BC3E660A909D838D718C397AA3B561A6F7901E0E82974856A7   |  |  |

| POSSIBLE SECRETS  |  |  |
|---|--|--|
| 1E589A8595423412134FAA2DBDEC95C8D8675E58  |  |  |
| B4E134D3FB59EB8BAB57274904664D5AF50388BA  |  |  |
| 4D696E676875615175985BD3ADBADA21B43A97E2  |  |  |
| 60dcd2104c4cbc0be6eeefc2bdd610739ec34e317f9b33046c9e4788  |  |  |
| A9FB57DBA1EEA9BC3E660A909D838D726E3BF623D52620282013481D1F6E5377  |  |  |
| 0667ACEB38AF4E488C407433FFAE4F1C811638DF20  |  |  |
| 7F519EADA7BDA81BD826DBA647910F8C4B9346ED8CCDC64E4B1ABD11756DCE1D2074AA263B88805CED70355A33B471EE  |  |  |
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| 000E0D4D696E6768756151750CC03A4473D03679  |  |  |
| D35E472036BC4FB7E13C785ED201E065F98FCFA5B68F12A32D482EC7EE8658E98691555B44C59311  |  |  |
| fe0e87005b4e83761908c5131d552a850b3f58b749c37cf5b84d6768  |  |  |
| 040D9029AD2C7E5CF4340823B2A87DC68C9E4CE3174C1E6EFDEE12C07D58AA56F772C0726F24C6B89E4ECDAC24354B9E99CAA3F6D3761402CD  |  |  |
| 0100FAF51354E0E39E4892DF6E319C72C8161603FA45AA7B998A167B8F1E629521  |  |  |
| 8de0d113c5e736969c8d2b047a243f8fe18edad64cde9e842d3669230ca486f7cfdde1f8eec54d1905fff04acc85e61093e180cadc6cea407f193d44bb0e9449b8dbb49784cd9e3<br>0c39e06a947299978c6ed8300724e887198cfede20f3fbde658fa2bd078be946a392bd349f2b49c486e20c405588e306706c9017308e69 |  |  |
| F1FD178C0B3AD58F10126DE8CE42435B3961ADBCABC8CA6DE8FCF353D86E9C00  |  |  |
| 3d84f26c12238d7b4f3d516613c1759033b1a5800175d0b1  |  |  |

| POSSIBLE SECRETS  |  |  |
|---|--|--|
| 04188DA80EB03090F67CBF20EB43A18800F4FF0AFD82FF101207192B95FFC8DA78631011ED6B24CDD573F977A11E794811  |  |  |
| 0236B3DAF8A23206F9C4F299D7B21A9C369137F2C84AE1AA0D  |  |  |
| A335926AA319A27A1D00896A6773A4827ACDAC73  |  |  |
| 115792089237316195423570985008687907853073762908499243225378155805079068850323  |  |  |
| b3fb3400dec5c4adceb8655d4c94  |  |  |
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| 1A827EF00DD6FC0E234CAF046C6A5D8A85395B236CC4AD2CF32A0CADBDC9DDF620B0EB9906D0957F6C6FEACD615468DF104DE296CD8F  |  |  |
| AADD9DB8DBE9C48B3FD4E6AE33C9FC07CB308DB3B3C9D20ED6639CCA70330870553E5C414CA92619418661197FAC10471DB1D381085DDADDB58796829CA90069  |  |  |
| 10D9B4A3D9047D8B154359ABFB1B7F5485B04CEB868237DDC9DEDA982A679A5A919B626D4E50A8DD731B107A9962381FB5D807BF2618  |  |  |
| 00C9BB9E8927D4D64C377E2AB2856A5B16E3EFB7F61D4316AE  |  |  |
| c49d360886e704936a6678e1139d26b7819f7e90  |  |  |
| 0405F939258DB7DD90E1934F8C70B0DFEC2EED25B8557EAC9C80E2E198F8CDBECD86B1205303676854FE24141CB98FE6D4B20D02B4516FF702350EDDB0826779C813F0DF4 5BE8112F4   |  |  |
| 044A96B5688EF573284664698968C38BB913CBFC8223A628553168947D59DCC912042351377AC5FB32  |  |  |
| 6b8cf07d4ca75c88957d9d670591  |  |  |
| 0400C6858E06B70404E9CD9E3ECB662395B4429C648139053FB521F828AF606B4D3DBAA14B5E77EFE75928FE1DC127A2FFA8DE3348B3C1856A429BF97E7E31C2E5BD660118 39296A789A3BC0045C8A5FB42C7D1BD998F54449579B446817AFBD17273E662C97EE72995EF42640C550B9013FAD0761353C7086A272C24088BE94769FD16650 |  |  |

| POSSIBLE SECRETS  |  |  |
|---|--|--|
| 040356DCD8F2F95031AD652D23951BB366A80648F06D867940A5366D9E265DE9EB240F  |  |  |
| B3312FA7E23EE7E4988E056BE3F82D19181D9C6EFE8141120314088F5013875AC656398D8A2ED19D2A85C8EDD3EC2AEF  |  |  |
| FFFFFFF00000000FFFFFFFFFFFFFFBCE6FAADA7179E84F3B9CAC2FC632551   |  |  |
| 0217C05610884B63B9C6C7291678F9D341  |  |  |
| 04A3E8EB3CC1CFE7B7732213B23A656149AFA142C47AAFBC2B79A191562E1305F42D996C823439C56D7F7B22E14644417E69BCB6DE39D027001DABE8F35B25C9BE  |  |  |
| 033C258EF3047767E7EDE0F1FDAA79DAEE3841366A132E163ACED4ED2401DF9C6BDCDE98E8E707C07A2239B1B097  |  |  |
| DB7C2ABF62E35E7628DFAC6561C5  |  |  |
| 22123dc2395a05caa7423daeccc94760a7d462256bd56916  |  |  |
| E95E4A5F737059DC60DFC7AD95B3D8139515620F  |  |  |
| FB15760860DEF1EEF4D696E6768756151754  |  |  |
| 7B425ED097B425ED097B425ED097B425ED097B4260B5E9C7710C864   |  |  |
| 038D16C2866798B600F9F08BB4A8E860F3298CE04A5798  |  |  |
| 0307AF69989546103D79329FCC3D74880F33BBE803CB  |  |  |
| 04017232BA853A7E731AF129F22FF4149563A419C26BF50A4C9D6EEFAD612601DB537DECE819B7F70F555A67C427A8CD9BF18AEB9B56E0C11056FAE6A3  |  |  |
| 040060F05F658F49C1AD3AB1890F7184210EFD0987E307C84C27ACCFB8F9F67CC2C460189EB5AAAA62EE222EB1B35540CFE902374601E369050B7C4E42ACBA1DACBF04299C 3460782F918EA427E6325165E9EA10E3DA5F6C42E9C55215AA9CA27A5863EC48D8E0286B |  |  |
| 0108B39E77C4B108BED981ED0E890E117C511CF072  |  |  |

| POSSIBLE SECRETS   |  |
|--|--|
| 03188da80eb03090f67cbf20eb43a18800f4ff0afd82ff1012   |  |
| 2AA058F73A0E33AB486B0F610410C53A7F132310   |  |
| e38f5750d97e270996a286df2e653fd26c242106436f5bab0f4c7a9e654ce02665d5a281f2c412456f2d1fa26586ef04a9adac9004ca7f913162cb28e13bf40d   |  |
| 2866537B676752636A68F56554E12640276B649EF7526267   |  |
| e43bb460f0b80cc0c0b075798e948060f8321b7d   |  |
| 0238af09d98727705120c921bb5e9e26296a3cdcf2f35757a0eafd87b830e7   |  |
| 429418261486158041438734477379555023926723459686071430667981129940894712314200270603852166995638487199576572848148989097707594626134376694563 648827303708389347910808359326479767786019153434744009610342313166725786869204821949328786333602033847970926843422476210557602350161326147806 52761028509445403338652341 |  |
| 0091A091F03B5FBA4AB2CCF49C4EDD220FB028712D42BE752B2C40094DBACDB586FB20   |  |
| E95E4A5F737059DC60DF5991D45029409E60FC09   |  |
| 70390085352083305199547718019018437841079516630045180471284346843705633502616  |  |
| e8b4011604095303ca3b8099982be09fcb9ae616   |  |
| 043B4C382CE37AA192A4019E763036F4F5DD4D7EBB938CF935318FDCED6BC28286531733C3F03C4FEE   |  |
| 04BED5AF16EA3F6A4F62938C4631EB5AF7BDBCDBC31667CB477A1A8EC338F94741669C976316DA6321   |  |
| 027B680AC8B8596DA5A4AF8A19A0303FCA97FD7645309FA2A581485AF6263E313B79A2F5   |  |
| 0402FE13C0537BBC11ACAA07D793DE4E6D5E5C94EEE80289070FB05D38FF58321F2E800536D538CCDAA3D9   |  |

| POSSIBLE SECRETS   |
|--|
| 040503213F78CA44883F1A3B8162F188E553CD265F23C1567A16876913B0C2AC245849283601CCDA380F1C9E318D90F95D07E5426FE87E45C0E8184698E45962364E3411617<br>7DD2259 |
| 00E4E6DB2995065C407D9D39B8D0967B96704BA8E9C90B   |
| 00C8619ED45A62E6212E1160349E2BFA844439FAFC2A3FD1638F9E   |
| bb85691939b869c1d087f601554b96b80cb4f55b35f433c2   |
| 5667676A654B20754F356EA92017D946567C46675556F19556A04616B567D223A5E05656FB549016A96656A557   |
| rdT48UA0DyzH4Qvl+tUEK8yw+X1lSD91L4z5yjGbGSA=   |
| 7fffffffffffffffffffffffffffffffffffff   |
| B4050A850C04B3ABF54132565044B0B7D7BFD8BA270B39432355FFB4   |
| 030024266E4EB5106D0A964D92C4860E2671DB9B6CC5   |
| 0401F481BC5F0FF84A74AD6CDF6FDEF4BF6179625372D8C0C5E10025E399F2903712CCF3EA9E3A1AD17FB0B3201B6AF7CE1B05   |
| 003088250CA6E7C7FE649CE85820F7   |
| EE353FCA5428A9300D4ABA754A44C00FDFEC0C9AE4B1A1803075ED967B7BB73F   |
| D09E8800291CB85396CC6717393284AAA0DA64BA   |
| 04A1455B334DF099DF30FC28A169A467E9E47075A90F7E650EB6B7A45C7E089FED7FBA344282CAFBD6F7E319F7C0B0BD59E2CA4BDB556D61A5                                     |
| 1053CDE42C14D696E67687561517533BF3F83345   |

b259d2d6e627a768c94be36164c2d9fc79d97aab9253140e5bf17751197731d6f7540d2509e7b9ffee0a70a6e26d56e92d2edd7f85aba85600b69089f35f6bdbf3c298e05842535d 9f064e6b0391cb7d306e0a2d20c4dfb4e7b49a9640bdea26c10ad69c3f05007ce2513cee44cfe01998e62b6c3637d3fc0391079b26ee36d5

0620048D28BCBD03B6249C99182B7C8CD19700C362C46A01

b892d9ebdbfc37e397256dd8a5d3123534d1f03726284743ddc6be3a709edb696fc40c7d902ed804c6eee730eee3d5b20bf6bd8d87a296813c87d3b3cc9d7947

021085E2755381DCCCE3C1557AFA10C2F0C0C2825646C5B34A394CBCFA8BC16B22E7E789E927BE216F02E1FB136A5F

70b7123e8e69dfa76feb1236d0a686144b00e9232ed52b73847e74ef3af71fb45ccb24261f40d27f98101e230cf27b977a5d5f1f15f6cf48d5cb1da2a3a3b87f

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043AE9E58C82F63C30282E1FE7BBF43FA72C446AF6F4618129097E2C5667C2223A902AB5CA449D0084B7E5B3DE7CCC01C9

040303001D34B856296C16C0D40D3CD7750A93D1D2955FA80AA5F40FC8DB7B2ABDBDE53950F4C0D293CDD711A35B67FB1499AE60038614F1394ABFA3B4C850D927E1E77 69C8EEC2D19037BF27342DA639B6DCCFFFEB73D69D78C6C27A6009CBBCA1980F8533921E8A684423E43BAB08A576291AF8F461BB2A8B3531D2F0485C19B16E2F1516E23DD 3C1A4827AF1B8AC15B

97c7737d1b9a0088c3c7b528539247fd2a1593e7e01cef18848755be82f4a45aa093276cb0cbf118cb41117540a78f3fc471ba5d69f0042274defc9161265721

13D56FFAEC78681E68F9DEB43B35BEC2FB68542E27897B79

7ae96a2b657c07106e64479eac3434e99cf0497512f58995c1396c28719501ee

E87579C11079F43DD824993C2CEE5ED3

0409487239995A5EE76B55F9C2F098A89CE5AF8724C0A23E0E0FF77500

| POSSIBLE SECRETS   |  |  |
|--|--|--|
| AADD9DB8DBE9C48B3FD4E6AE33C9FC07CB308DB3B3C9D20ED6639CCA703308717D4D9B009BC66842AECDA12AE6A380E62881FF2F2D82C68528AA6056583A48F0   |  |  |
| 5ac635d8aa3a93e7b3ebbd55769886bc651d06b0cc53b0f63bce3c3e27d2604b   |  |  |
| 0479BE667EF9DCBBAC55A06295CE870B07029BFCDB2DCE28D959F2815B16F81798483ADA7726A3C4655DA4FBFC0E1108A8FD17B448A68554199C47D08FFB10D4B8   |  |  |
| 044BA30AB5E892B4E1649DD0928643ADCD46F5882E3747DEF36E956E97   |  |  |
| 00FDFB49BFE6C3A89FACADAA7A1E5BBC7CC1C2E5D831478814   |  |  |
| 57896044618658097711785492504343953927102133160255826820068844496087732066703  |  |  |
| DB7C2ABF62E35E668076BEAD2088   |  |  |
| 74D59FF07F6B413D0EA14B344B20A2DB049B50C3   |  |  |
| 0418DE98B02DB9A306F2AFCD7235F72A819B80AB12EBD653172476FECD462AABFFC4FF191B946A5F54D8D0AA2F418808CC25AB056962D30651A114AFD2755AD336747F934<br>75B7A1FCA3B88F2B6A208CCFE469408584DC2B2912675BF5B9E582928 |  |  |
| 0163F35A5137C2CE3EA6ED8667190B0BC43ECD69977702709B   |  |  |
| 32010857077C5431123A46B808906756F543423E8D27877578125778AC76   |  |  |
| DB7C2ABF62E35E668076BEAD208B   |  |  |
| 6A91174076B1E0E19C39C031FE8685C1CAE040E5C69A28EF   |  |  |
| 64210519E59C80E70FA7E9AB72243049FEB8DEECC146B9B1   |  |  |
| 03E5A88919D7CAFCBF415F07C2176573B2   |  |  |
| D35E472036BC4FB7E13C785ED201E065F98FCFA6F6F40DEF4F92B9EC7893EC28FCD412B1F1B32E24   |  |  |

| POSSIBLE SECRETS  |
|---|
| C302F41D932A36CDA7A3463093D18DB78FCE476DE1A86294  |
| 24B7B137C8A14D696E6768756151756FD0DA2E5C  |
| 12511cfe811d0f4e6bc688b4d   |
| 07B6882CAAEFA84F9554FF8428BD88E246D2782AE2  |
| 340E7BE2A280EB74E2BE61BADA745D97E8F7C300  |
| 4A8C7DD22CE28268B39B55416F0447C2FB77DE107DCD2A62E880EA53EEB62D57CB4390295DBC9943AB78696FA504C11   |
| 4E13CA542744D696E67687561517552F279A8C84  |
| 258EAFA5-E914-47DA-95CA-C5AB0DC85B11  |
| D7C134AA264366862A18302575D0FB98D116BC4B6DDEBCA3A5A7939F  |
| 469A28EF7C28CCA3DC721D044F4496BCCA7EF4146FBF25C9  |
| 00FD0D693149A118F651E6DCE6802085377E5F882D1B510B44160074C1288078365A0396C8E681  |
| 127021248288932417465907042777176443525787653508916535812817507265705031260985098497423188333483401180925999995120988934130659205614996724254 121049274349357074920312769561451689224110579311248812610229678534638401693520013288995000362260684222750813532307004517341633685004541062586 971416883686778842537820383 |
| 0289FDFBE4ABE193DF9559ECF07AC0CE78554E2784EB8C1ED1A57A  |
| 5AC635D8AA3A93E7B3EBBD55769886BC651D06B0CC53B0F63BCE3C3E27D2604B  |
| 6C01074756099122221056911C77D77E77A777E7E7E7F7FCB   |

A9FB57DBA1EEA9BC3E660A909D838D726E3BF623D52620282013481D1F6E5374

E95E4A5F737059DC60DFC7AD95B3D8139515620C



Title: Meezan Mobile Banking

Score: 4.762542 Installs: 5,000,000+ Price: 0 Android Version Support: Category: Finance Play Store URL: invo8.meezan.mb

Developer Details: Meezan Bank Limited, Meezan+Bank+Limited, None, http://www.meezanbank.com/mblapp.aspx, app@meezanbank.com,

Release Date: Oct 10, 2014 Privacy Policy: Privacy link

#### Description:

Manage your finances on the move and around the clock with Meezan Bank's secure Mobile Banking App. Packed with smart features, Meezan Mobile App provides secure, on-the-go access to your accounts with built-in powerful and intuitive tools for managing them. Banking should be simple, quick and convenient and that is the idea behind the Meezan Mobile Banking App. Key Features: - Fastest Biometric login - View account statement & transaction details - Pay Utility, Mobile & Internet bills and manage payees - Pay Schools & University Fees Instantly - Topup your Jazz Cash & Easypaisa wallet accounts - Transfer funds to any Bank in Pakistan for Free - Pay Zakat & Donations to renowned charitable organization - Block or unblock debit cards - Find nearby Meezan Bank banking offices and ATMs - Look out for discounts and new promotions - Qibla locator

### **∷** SCAN LOGS

| Timestamp           | Event             | Error |
|---------------------|-------------------|-------|
| 2024-10-19 12:37:55 | Generating Hashes | OK    |

| 2024-10-19 12:37:55 | Extracting APK   | ОК |
|---------------------|--|----|
| 2024-10-19 12:37:55 | Unzipping  | OK |
| 2024-10-19 12:37:56 | Getting Hardcoded Certificates/Keystores                     | ОК |
| 2024-10-19 12:38:00 | Parsing AndroidManifest.xml                                  | ОК |
| 2024-10-19 12:38:00 | Parsing APK with androguard                                  | ОК |
| 2024-10-19 12:38:00 | Extracting Manifest Data                                     | ОК |
| 2024-10-19 12:38:00 | Performing Static Analysis on: Meezan Bank (invo8.meezan.mb) | OK |
| 2024-10-19 12:38:00 | Fetching Details from Play Store: invo8.meezan.mb            | ОК |
| 2024-10-19 12:38:04 | Manifest Analysis Started                                    | ОК |
| 2024-10-19 12:38:04 | Checking for Malware Permissions                             | ОК |
| 2024-10-19 12:38:04 | Fetching icon path   | ОК |

| 2024-10-19 12:38:04 | Library Binary Analysis Started  | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:04 | Analyzing apktool_out/lib/armeabi-v7a/libreactperfloggerjni.so             | ОК |
| 2024-10-19 12:38:04 | Analyzing apktool_out/lib/armeabi-v7a/libfabricjni.so                      | ОК |
| 2024-10-19 12:38:05 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_mapbuffer.so         | ОК |
| 2024-10-19 12:38:05 | Analyzing apktool_out/lib/armeabi-v7a/libcryptopp_shared.so                | ОК |
| 2024-10-19 12:38:09 | Analyzing apktool_out/lib/armeabi-v7a/librrc_unimplementedview.so          | ОК |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_textlayoutmanager.so | ОК |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libjsi.so                            | ОК |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libreactconfig.so                    | ОК |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libglog_init.so                      | ОК |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libbetter.so                         | ОК |

| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libyoga.so                           | OK |
|---------------------|--|----|
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libfb.so                             | OK |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/librrc_modal.so                      | OK |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_componentregistry.so | OK |
| 2024-10-19 12:38:10 | Analyzing apktool_out/lib/armeabi-v7a/librrc_textinput.so                  | ОК |
| 2024-10-19 12:38:11 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_graphics.so          | ОК |
| 2024-10-19 12:38:11 | Analyzing apktool_out/lib/armeabi-v7a/libsodium.so                         | ОК |
| 2024-10-19 12:38:11 | Analyzing apktool_out/lib/armeabi-v7a/libreactnativeblob.so                | ОК |
| 2024-10-19 12:38:11 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_scheduler.so         | OK |
| 2024-10-19 12:38:11 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_mounting.so          | ОК |
| 2024-10-19 12:38:11 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_uimanager.so         | ОК |

| 2024-10-19 12:38:12 | Analyzing apktool_out/lib/armeabi-v7a/libreact_codegen_rncore.so          | ОК |
|---------------------|---|----|
| 2024-10-19 12:38:12 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_imagemanager.so     | ОК |
| 2024-10-19 12:38:12 | Analyzing apktool_out/lib/armeabi-v7a/libjnidispatch.so                   | OK |
| 2024-10-19 12:38:12 | Analyzing apktool_out/lib/armeabi-v7a/librrc_root.so                      | ОК |
| 2024-10-19 12:38:12 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_core.so             | ОК |
| 2024-10-19 12:38:13 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_attributedstring.so | ОК |
| 2024-10-19 12:38:13 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_runtimescheduler.so | OK |
| 2024-10-19 12:38:13 | Analyzing apktool_out/lib/armeabi-v7a/libcsr.so                           | ОК |
| 2024-10-19 12:38:14 | Analyzing apktool_out/lib/armeabi-v7a/libnative-filters.so                | ОК |
| 2024-10-19 12:38:14 | Analyzing apktool_out/lib/armeabi-v7a/libjscexecutor.so                   | ОК |
| 2024-10-19 12:38:15 | Analyzing apktool_out/lib/armeabi-v7a/libreact_nativemodule_core.so       | ОК |

| 2024-10-19 12:38:15 | Analyzing apktool_out/lib/armeabi-v7a/libjsinspector.so                    | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:15 | Analyzing apktool_out/lib/armeabi-v7a/libglog.so                           | ОК |
| 2024-10-19 12:38:15 | Analyzing apktool_out/lib/armeabi-v7a/libffid_dynamic.so                   | ОК |
| 2024-10-19 12:38:16 | Analyzing apktool_out/lib/armeabi-v7a/libGHDSDFIUPOIFDLS8DSFN23LK.so       | ОК |
| 2024-10-19 12:38:16 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_templateprocessor.so | ОК |
| 2024-10-19 12:38:17 | Analyzing apktool_out/lib/armeabi-v7a/libfbjni.so                          | ОК |
| 2024-10-19 12:38:17 | Analyzing apktool_out/lib/armeabi-v7a/librrc_text.so                       | ОК |
| 2024-10-19 12:38:17 | Analyzing apktool_out/lib/armeabi-v7a/libreact_utils.so                    | ОК |
| 2024-10-19 12:38:17 | Analyzing apktool_out/lib/armeabi-v7a/libfaceoff.so                        | OK |
| 2024-10-19 12:38:17 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_leakchecker.so       | ОК |
| 2024-10-19 12:38:17 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_animations.so        | ОК |

| 2024-10-19 12:38:18 | Analyzing apktool_out/lib/armeabi-v7a/libtoolChecker.so            | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:18 | Analyzing apktool_out/lib/armeabi-v7a/libmapbufferjni.so           | OK |
| 2024-10-19 12:38:18 | Analyzing apktool_out/lib/armeabi-v7a/libimagepipeline.so          | ОК |
| 2024-10-19 12:38:18 | Analyzing apktool_out/lib/armeabi-v7a/libreactnativejni.so         | ОК |
| 2024-10-19 12:38:19 | Analyzing apktool_out/lib/armeabi-v7a/librrc_progressbar.so        | ОК |
| 2024-10-19 12:38:19 | Analyzing apktool_out/lib/armeabi-v7a/libveridiumlicensing.so      | ОК |
| 2024-10-19 12:38:19 | Analyzing apktool_out/lib/armeabi-v7a/librrc_slider.so             | OK |
| 2024-10-19 12:38:19 | Analyzing apktool_out/lib/armeabi-v7a/libe1f9.so                   | ОК |
| 2024-10-19 12:38:19 | Analyzing apktool_out/lib/armeabi-v7a/libgvr.so                    | OK |
| 2024-10-19 12:38:20 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_telemetry.so | OK |
| 2024-10-19 12:38:20 | Analyzing apktool_out/lib/armeabi-v7a/libhermes.so                 | ОК |

| 2024-10-19 12:38:20 | Analyzing apktool_out/lib/armeabi-v7a/libfolly_futures.so                  | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:21 | Analyzing apktool_out/lib/armeabi-v7a/libhermes-inspector.so               | ОК |
| 2024-10-19 12:38:23 | Analyzing apktool_out/lib/armeabi-v7a/libhermes-executor-common-debug.so   | ОК |
| 2024-10-19 12:38:23 | Analyzing apktool_out/lib/armeabi-v7a/librrc_image.so                      | ОК |
| 2024-10-19 12:38:23 | Analyzing apktool_out/lib/armeabi-v7a/libhermes-executor-debug.so          | ОК |
| 2024-10-19 12:38:24 | Analyzing apktool_out/lib/armeabi-v7a/libjsijniprofiler.so                 | ОК |
| 2024-10-19 12:38:24 | Analyzing apktool_out/lib/armeabi-v7a/libhermes-executor-common-release.so | ОК |
| 2024-10-19 12:38:24 | Analyzing apktool_out/lib/armeabi-v7a/libturbomodulejsijni.so              | ОК |
| 2024-10-19 12:38:24 | Analyzing apktool_out/lib/armeabi-v7a/libreact_debug.so                    | OK |
| 2024-10-19 12:38:24 | Analyzing apktool_out/lib/armeabi-v7a/libpanorenderer.so                   | ОК |
| 2024-10-19 12:38:24 | Analyzing apktool_out/lib/armeabi-v7a/libreactnativeutilsjni.so            | ОК |

| 2024-10-19 12:38:25 | Analyzing apktool_out/lib/armeabi-v7a/libhermes-executor-release.so | ОК |
|---------------------|---|----|
| 2024-10-19 12:38:26 | Analyzing apktool_out/lib/armeabi-v7a/liblogger.so                  | OK |
| 2024-10-19 12:38:26 | Analyzing apktool_out/lib/armeabi-v7a/libreact_render_debug.so      | ОК |
| 2024-10-19 12:38:26 | Analyzing apktool_out/lib/armeabi-v7a/librrc_view.so                | ОК |
| 2024-10-19 12:38:26 | Analyzing apktool_out/lib/armeabi-v7a/libfolly_json.so              | ОК |
| 2024-10-19 12:38:27 | Analyzing apktool_out/lib/armeabi-v7a/librrc_switch.so              | ОК |
| 2024-10-19 12:38:27 | Analyzing apktool_out/lib/armeabi-v7a/libkeys.so                    | OK |
| 2024-10-19 12:38:27 | Analyzing apktool_out/lib/armeabi-v7a/libnative-imagetranscoder.so  | ОК |
| 2024-10-19 12:38:27 | Analyzing apktool_out/lib/armeabi-v7a/librrc_scrollview.so          | OK |
| 2024-10-19 12:38:27 | Analyzing apktool_out/lib/armeabi-v7a/libc++_shared.so              | ОК |
| 2024-10-19 12:38:28 | Analyzing apktool_out/lib/arm64-v8a/libreactperfloggerjni.so        | ОК |

| 2024-10-19 12:38:28 | Analyzing apktool_out/lib/arm64-v8a/libfabricjni.so                      | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:29 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_mapbuffer.so         | ОК |
| 2024-10-19 12:38:29 | Analyzing apktool_out/lib/arm64-v8a/libcryptopp_shared.so                | ОК |
| 2024-10-19 12:38:32 | Analyzing apktool_out/lib/arm64-v8a/librrc_unimplementedview.so          | ОК |
| 2024-10-19 12:38:32 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_textlayoutmanager.so | OK |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libjsi.so                            | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libreactconfig.so                    | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libglog_init.so                      | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libbetter.so                         | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libyoga.so                           | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libfb.so                             | ОК |

| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/librrc_modal.so                      | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_componentregistry.so | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/librrc_textinput.so                  | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_graphics.so          | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libsodium.so                         | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libreactnativeblob.so                | ОК |
| 2024-10-19 12:38:33 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_scheduler.so         | ОК |
| 2024-10-19 12:38:34 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_mounting.so          | ОК |
| 2024-10-19 12:38:34 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_uimanager.so         | ОК |
| 2024-10-19 12:38:34 | Analyzing apktool_out/lib/arm64-v8a/libreact_codegen_rncore.so           | ОК |
| 2024-10-19 12:38:34 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_imagemanager.so      | ОК |

| 2024-10-19 12:38:34 | Analyzing apktool_out/lib/arm64-v8a/libjnidispatch.so                   | ОК |
|---------------------|---|----|
| 2024-10-19 12:38:34 | Analyzing apktool_out/lib/arm64-v8a/librrc_root.so                      | ОК |
| 2024-10-19 12:38:34 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_core.so             | OK |
| 2024-10-19 12:38:35 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_attributedstring.so | OK |
| 2024-10-19 12:38:35 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_runtimescheduler.so | OK |
| 2024-10-19 12:38:35 | Analyzing apktool_out/lib/arm64-v8a/libcsr.so                           | ОК |
| 2024-10-19 12:38:36 | Analyzing apktool_out/lib/arm64-v8a/libnative-filters.so                | OK |
| 2024-10-19 12:38:36 | Analyzing apktool_out/lib/arm64-v8a/libjscexecutor.so                   | OK |
| 2024-10-19 12:38:37 | Analyzing apktool_out/lib/arm64-v8a/libreact_nativemodule_core.so       | ОК |
| 2024-10-19 12:38:37 | Analyzing apktool_out/lib/arm64-v8a/libjsinspector.so                   | ОК |
| 2024-10-19 12:38:37 | Analyzing apktool_out/lib/arm64-v8a/libglog.so                          | OK |

| 2024-10-19 12:38:37 | Analyzing apktool_out/lib/arm64-v8a/libffid_dynamic.so                   | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:38 | Analyzing apktool_out/lib/arm64-v8a/libGHDSDFIUPOIFDLS8DSFN23LK.so       | OK |
| 2024-10-19 12:38:38 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_templateprocessor.so | ОК |
| 2024-10-19 12:38:38 | Analyzing apktool_out/lib/arm64-v8a/libfbjni.so                          | ОК |
| 2024-10-19 12:38:38 | Analyzing apktool_out/lib/arm64-v8a/librrc_text.so                       | ОК |
| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libreact_utils.so                    | ОК |
| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libfaceoff.so                        | OK |
| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_leakchecker.so       | ОК |
| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_animations.so        | OK |
| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libtoolChecker.so                    | ОК |
| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libmapbufferjni.so                   | ОК |

| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libimagepipeline.so          | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:39 | Analyzing apktool_out/lib/arm64-v8a/libreactnativejni.so         | ОК |
| 2024-10-19 12:38:40 | Analyzing apktool_out/lib/arm64-v8a/librrc_progressbar.so        | ОК |
| 2024-10-19 12:38:40 | Analyzing apktool_out/lib/arm64-v8a/libveridiumlicensing.so      | ОК |
| 2024-10-19 12:38:40 | Analyzing apktool_out/lib/arm64-v8a/librrc_slider.so             | ОК |
| 2024-10-19 12:38:40 | Analyzing apktool_out/lib/arm64-v8a/libe1f9.so                   | ОК |
| 2024-10-19 12:38:40 | Analyzing apktool_out/lib/arm64-v8a/libgvr.so                    | ОК |
| 2024-10-19 12:38:40 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_telemetry.so | ОК |
| 2024-10-19 12:38:40 | Analyzing apktool_out/lib/arm64-v8a/libhermes.so                 | ОК |
| 2024-10-19 12:38:41 | Analyzing apktool_out/lib/arm64-v8a/libfolly_futures.so          | ОК |
| 2024-10-19 12:38:42 | Analyzing apktool_out/lib/arm64-v8a/libhermes-inspector.so       | ОК |

| 2024-10-19 12:38:43 | Analyzing apktool_out/lib/arm64-v8a/libhermes-executor-common-debug.so   | OK |
|---------------------|--|----|
| 2024-10-19 12:38:43 | Analyzing apktool_out/lib/arm64-v8a/librrc_image.so                      | OK |
| 2024-10-19 12:38:43 | Analyzing apktool_out/lib/arm64-v8a/libhermes-executor-debug.so          | OK |
| 2024-10-19 12:38:43 | Analyzing apktool_out/lib/arm64-v8a/libjsijniprofiler.so                 | OK |
| 2024-10-19 12:38:43 | Analyzing apktool_out/lib/arm64-v8a/libhermes-executor-common-release.so | OK |
| 2024-10-19 12:38:44 | Analyzing apktool_out/lib/arm64-v8a/libturbomodulejsijni.so              | OK |
| 2024-10-19 12:38:44 | Analyzing apktool_out/lib/arm64-v8a/libreact_debug.so                    | ОК |
| 2024-10-19 12:38:44 | Analyzing apktool_out/lib/arm64-v8a/libpanorenderer.so                   | ОК |
| 2024-10-19 12:38:44 | Analyzing apktool_out/lib/arm64-v8a/libreactnativeutilsjni.so            | ОК |
| 2024-10-19 12:38:44 | Analyzing apktool_out/lib/arm64-v8a/libhermes-executor-release.so        | ОК |
| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/liblogger.so                         | ОК |

| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/libreact_render_debug.so     | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/librrc_view.so               | ОК |
| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/libfolly_json.so             | ОК |
| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/librrc_switch.so             | ОК |
| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/libkeys.so                   | ОК |
| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/libnative-imagetranscoder.so | ОК |
| 2024-10-19 12:38:45 | Analyzing apktool_out/lib/arm64-v8a/librrc_scrollview.so         | ОК |
| 2024-10-19 12:38:46 | Analyzing apktool_out/lib/arm64-v8a/libc++_shared.so             | ок |
| 2024-10-19 12:38:46 | Analyzing lib/armeabi-v7a/libreactperfloggerjni.so               | ОК |
| 2024-10-19 12:38:46 | Analyzing lib/armeabi-v7a/libfabricjni.so                        | ОК |
| 2024-10-19 12:38:48 | Analyzing lib/armeabi-v7a/libreact_render_mapbuffer.so           | ОК |

| 2024-10-19 12:38:48 | Analyzing lib/armeabi-v7a/libcryptopp_shared.so                | OK |
|---------------------|--|----|
| 2024-10-19 12:38:52 | Analyzing lib/armeabi-v7a/librrc_unimplementedview.so          | OK |
| 2024-10-19 12:38:52 | Analyzing lib/armeabi-v7a/libreact_render_textlayoutmanager.so | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libjsi.so                            | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libreactconfig.so                    | OK |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libglog_init.so                      | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libbetter.so                         | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libyoga.so                           | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libfb.so                             | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/librrc_modal.so                      | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libreact_render_componentregistry.so | OK |

| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/librrc_textinput.so             | ОК |
|---------------------|---|----|
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libreact_render_graphics.so     | ОК |
| 2024-10-19 12:38:53 | Analyzing lib/armeabi-v7a/libsodium.so                    | ОК |
| 2024-10-19 12:38:54 | Analyzing lib/armeabi-v7a/libreactnativeblob.so           | ОК |
| 2024-10-19 12:38:54 | Analyzing lib/armeabi-v7a/libreact_render_scheduler.so    | ОК |
| 2024-10-19 12:38:54 | Analyzing lib/armeabi-v7a/libreact_render_mounting.so     | ОК |
| 2024-10-19 12:38:54 | Analyzing lib/armeabi-v7a/libreact_render_uimanager.so    | ОК |
| 2024-10-19 12:38:54 | Analyzing lib/armeabi-v7a/libreact_codegen_rncore.so      | ОК |
| 2024-10-19 12:38:55 | Analyzing lib/armeabi-v7a/libreact_render_imagemanager.so | ОК |
| 2024-10-19 12:38:55 | Analyzing lib/armeabi-v7a/libjnidispatch.so               | ОК |
| 2024-10-19 12:38:55 | Analyzing lib/armeabi-v7a/librrc_root.so                  | OK |

| 2024-10-19 12:38:55 | Analyzing lib/armeabi-v7a/libreact_render_core.so             | ОК |
|---------------------|---|----|
| 2024-10-19 12:38:55 | Analyzing lib/armeabi-v7a/libreact_render_attributedstring.so | OK |
| 2024-10-19 12:38:56 | Analyzing lib/armeabi-v7a/libreact_render_runtimescheduler.so | ОК |
| 2024-10-19 12:38:56 | Analyzing lib/armeabi-v7a/libcsr.so                           | ОК |
| 2024-10-19 12:38:57 | Analyzing lib/armeabi-v7a/libnative-filters.so                | ОК |
| 2024-10-19 12:38:57 | Analyzing lib/armeabi-v7a/libjscexecutor.so                   | ОК |
| 2024-10-19 12:38:58 | Analyzing lib/armeabi-v7a/libreact_nativemodule_core.so       | OK |
| 2024-10-19 12:38:58 | Analyzing lib/armeabi-v7a/libjsinspector.so                   | ОК |
| 2024-10-19 12:38:58 | Analyzing lib/armeabi-v7a/libglog.so                          | OK |
| 2024-10-19 12:38:58 | Analyzing lib/armeabi-v7a/libffid_dynamic.so                  | OK |
| 2024-10-19 12:38:59 | Analyzing lib/armeabi-v7a/libGHDSDFIUPOIFDLS8DSFN23LK.so      | ОК |

| 2024-10-19 12:38:59 | Analyzing lib/armeabi-v7a/libreact_render_templateprocessor.so | ОК |
|---------------------|--|----|
| 2024-10-19 12:38:59 | Analyzing lib/armeabi-v7a/libfbjni.so                          | ОК |
| 2024-10-19 12:38:59 | Analyzing lib/armeabi-v7a/librrc_text.so                       | ОК |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libreact_utils.so                    | ОК |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libfaceoff.so                        | OK |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libreact_render_leakchecker.so       | OK |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libreact_render_animations.so        | ОК |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libtoolChecker.so                    | ОК |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libmapbufferjni.so                   | ОК |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libimagepipeline.so                  | ОК |
| 2024-10-19 12:39:00 | Analyzing lib/armeabi-v7a/libreactnativejni.so                 | OK |

| 2024-10-19 12:39:01 | Analyzing lib/armeabi-v7a/librrc_progressbar.so              | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:02 | Analyzing lib/armeabi-v7a/libveridiumlicensing.so            | ОК |
| 2024-10-19 12:39:02 | Analyzing lib/armeabi-v7a/librrc_slider.so                   | ОК |
| 2024-10-19 12:39:02 | Analyzing lib/armeabi-v7a/libe1f9.so                         | ОК |
| 2024-10-19 12:39:02 | Analyzing lib/armeabi-v7a/libgvr.so                          | ОК |
| 2024-10-19 12:39:02 | Analyzing lib/armeabi-v7a/libreact_render_telemetry.so       | ОК |
| 2024-10-19 12:39:02 | Analyzing lib/armeabi-v7a/libhermes.so                       | ОК |
| 2024-10-19 12:39:02 | Analyzing lib/armeabi-v7a/libfolly_futures.so                | ОК |
| 2024-10-19 12:39:04 | Analyzing lib/armeabi-v7a/libhermes-inspector.so             | OK |
| 2024-10-19 12:39:06 | Analyzing lib/armeabi-v7a/libhermes-executor-common-debug.so | ОК |
| 2024-10-19 12:39:06 | Analyzing lib/armeabi-v7a/librrc_image.so                    | ОК |

| 2024-10-19 12:39:06 | Analyzing lib/armeabi-v7a/libhermes-executor-debug.so          | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:06 | Analyzing lib/armeabi-v7a/libjsijniprofiler.so                 | OK |
| 2024-10-19 12:39:06 | Analyzing lib/armeabi-v7a/libhermes-executor-common-release.so | ОК |
| 2024-10-19 12:39:07 | Analyzing lib/armeabi-v7a/libturbomodulejsijni.so              | ОК |
| 2024-10-19 12:39:07 | Analyzing lib/armeabi-v7a/libreact_debug.so                    | ОК |
| 2024-10-19 12:39:07 | Analyzing lib/armeabi-v7a/libpanorenderer.so                   | ОК |
| 2024-10-19 12:39:07 | Analyzing lib/armeabi-v7a/libreactnativeutilsjni.so            | OK |
| 2024-10-19 12:39:08 | Analyzing lib/armeabi-v7a/libhermes-executor-release.so        | ОК |
| 2024-10-19 12:39:08 | Analyzing lib/armeabi-v7a/liblogger.so                         | OK |
| 2024-10-19 12:39:09 | Analyzing lib/armeabi-v7a/libreact_render_debug.so             | ОК |
| 2024-10-19 12:39:09 | Analyzing lib/armeabi-v7a/librrc_view.so                       | ОК |

| 2024-10-19 12:39:09 | Analyzing lib/armeabi-v7a/libfolly_json.so             | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:09 | Analyzing lib/armeabi-v7a/librrc_switch.so             | OK |
| 2024-10-19 12:39:09 | Analyzing lib/armeabi-v7a/libkeys.so                   | OK |
| 2024-10-19 12:39:09 | Analyzing lib/armeabi-v7a/libnative-imagetranscoder.so | OK |
| 2024-10-19 12:39:10 | Analyzing lib/armeabi-v7a/librrc_scrollview.so         | ОК |
| 2024-10-19 12:39:10 | Analyzing lib/armeabi-v7a/libc++_shared.so             | ОК |
| 2024-10-19 12:39:11 | Analyzing lib/arm64-v8a/libreactperfloggerjni.so       | ОК |
| 2024-10-19 12:39:11 | Analyzing lib/arm64-v8a/libfabricjni.so                | ОК |
| 2024-10-19 12:39:12 | Analyzing lib/arm64-v8a/libreact_render_mapbuffer.so   | ОК |
| 2024-10-19 12:39:12 | Analyzing lib/arm64-v8a/libcryptopp_shared.so          | ОК |
| 2024-10-19 12:39:15 | Analyzing lib/arm64-v8a/librrc_unimplementedview.so    | ОК |

| 2024-10-19 12:39:15 | Analyzing lib/arm64-v8a/libreact_render_textlayoutmanager.so | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libjsi.so                            | OK |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libreactconfig.so                    | ОК |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libglog_init.so                      | ОК |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libbetter.so                         | ОК |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libyoga.so                           | ОК |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libfb.so                             | OK |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/librrc_modal.so                      | ОК |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libreact_render_componentregistry.so | OK |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/librrc_textinput.so                  | ОК |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libreact_render_graphics.so          | ОК |

| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libsodium.so                        | ОК |
|---------------------|---|----|
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libreactnativeblob.so               | OK |
| 2024-10-19 12:39:16 | Analyzing lib/arm64-v8a/libreact_render_scheduler.so        | ОК |
| 2024-10-19 12:39:17 | Analyzing lib/arm64-v8a/libreact_render_mounting.so         | ОК |
| 2024-10-19 12:39:17 | Analyzing lib/arm64-v8a/libreact_render_uimanager.so        | ОК |
| 2024-10-19 12:39:17 | Analyzing lib/arm64-v8a/libreact_codegen_rncore.so          | ОК |
| 2024-10-19 12:39:17 | Analyzing lib/arm64-v8a/libreact_render_imagemanager.so     | OK |
| 2024-10-19 12:39:17 | Analyzing lib/arm64-v8a/libjnidispatch.so                   | ОК |
| 2024-10-19 12:39:17 | Analyzing lib/arm64-v8a/librrc_root.so                      | OK |
| 2024-10-19 12:39:17 | Analyzing lib/arm64-v8a/libreact_render_core.so             | ОК |
| 2024-10-19 12:39:18 | Analyzing lib/arm64-v8a/libreact_render_attributedstring.so | ОК |

| 2024-10-19 12:39:18 | Analyzing lib/arm64-v8a/libreact_render_runtimescheduler.so  | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:18 | Analyzing lib/arm64-v8a/libcsr.so                            | OK |
| 2024-10-19 12:39:19 | Analyzing lib/arm64-v8a/libnative-filters.so                 | ОК |
| 2024-10-19 12:39:19 | Analyzing lib/arm64-v8a/libjscexecutor.so                    | ОК |
| 2024-10-19 12:39:20 | Analyzing lib/arm64-v8a/libreact_nativemodule_core.so        | ОК |
| 2024-10-19 12:39:20 | Analyzing lib/arm64-v8a/libjsinspector.so                    | OK |
| 2024-10-19 12:39:20 | Analyzing lib/arm64-v8a/libglog.so                           | ОК |
| 2024-10-19 12:39:20 | Analyzing lib/arm64-v8a/libffid_dynamic.so                   | ОК |
| 2024-10-19 12:39:21 | Analyzing lib/arm64-v8a/libGHDSDFIUPOIFDLS8DSFN23LK.so       | ОК |
| 2024-10-19 12:39:21 | Analyzing lib/arm64-v8a/libreact_render_templateprocessor.so | ОК |
| 2024-10-19 12:39:21 | Analyzing lib/arm64-v8a/libfbjni.so                          | ОК |

| 2024-10-19 12:39:21 | Analyzing lib/arm64-v8a/librrc_text.so                 | OK |
|---------------------|--|----|
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libreact_utils.so              | OK |
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libfaceoff.so                  | OK |
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libreact_render_leakchecker.so | ОК |
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libreact_render_animations.so  | ОК |
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libtoolChecker.so              | ОК |
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libmapbufferjni.so             | ОК |
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libimagepipeline.so            | ОК |
| 2024-10-19 12:39:22 | Analyzing lib/arm64-v8a/libreactnativejni.so           | OK |
| 2024-10-19 12:39:23 | Analyzing lib/arm64-v8a/librrc_progressbar.so          | ОК |
| 2024-10-19 12:39:23 | Analyzing lib/arm64-v8a/libveridiumlicensing.so        | ОК |

| 2024-10-19 12:39:23 | Analyzing lib/arm64-v8a/librrc_slider.so                   | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:23 | Analyzing lib/arm64-v8a/libe1f9.so                         | OK |
| 2024-10-19 12:39:23 | Analyzing lib/arm64-v8a/libgvr.so                          | ОК |
| 2024-10-19 12:39:24 | Analyzing lib/arm64-v8a/libreact_render_telemetry.so       | ОК |
| 2024-10-19 12:39:24 | Analyzing lib/arm64-v8a/libhermes.so                       | ОК |
| 2024-10-19 12:39:24 | Analyzing lib/arm64-v8a/libfolly_futures.so                | ОК |
| 2024-10-19 12:39:25 | Analyzing lib/arm64-v8a/libhermes-inspector.so             | OK |
| 2024-10-19 12:39:26 | Analyzing lib/arm64-v8a/libhermes-executor-common-debug.so | OK |
| 2024-10-19 12:39:26 | Analyzing lib/arm64-v8a/librrc_image.so                    | OK |
| 2024-10-19 12:39:26 | Analyzing lib/arm64-v8a/libhermes-executor-debug.so        | OK |
| 2024-10-19 12:39:26 | Analyzing lib/arm64-v8a/libjsijniprofiler.so               | ОК |

| 2024-10-19 12:39:26 | Analyzing lib/arm64-v8a/libhermes-executor-common-release.so | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:27 | Analyzing lib/arm64-v8a/libturbomodulejsijni.so              | OK |
| 2024-10-19 12:39:27 | Analyzing lib/arm64-v8a/libreact_debug.so                    | ОК |
| 2024-10-19 12:39:27 | Analyzing lib/arm64-v8a/libpanorenderer.so                   | ОК |
| 2024-10-19 12:39:27 | Analyzing lib/arm64-v8a/libreactnativeutilsjni.so            | ОК |
| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/libhermes-executor-release.so        | ОК |
| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/liblogger.so                         | ОК |
| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/libreact_render_debug.so             | ОК |
| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/librrc_view.so                       | ОК |
| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/libfolly_json.so                     | ОК |
| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/librrc_switch.so                     | ОК |

| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/libkeys.so                   | ОК |
|---------------------|--|----|
| 2024-10-19 12:39:28 | Analyzing lib/arm64-v8a/libnative-imagetranscoder.so | OK |
| 2024-10-19 12:39:29 | Analyzing lib/arm64-v8a/librrc_scrollview.so         | ОК |
| 2024-10-19 12:39:29 | Analyzing lib/arm64-v8a/libc++_shared.so             | ОК |
| 2024-10-19 12:39:30 | Reading Code Signing Certificate                     | ОК |
| 2024-10-19 12:39:31 | Running APKiD 2.1.5                                  | ОК |
| 2024-10-19 12:39:36 | Detecting Trackers                                   | OK |
| 2024-10-19 12:39:38 | Decompiling APK to Java with jadx                    | ОК |
| 2024-10-19 12:40:14 | Converting DEX to Smali                              | OK |
| 2024-10-19 12:40:14 | Code Analysis Started on - java_source               | ОК |
| 2024-10-19 12:40:36 | Android SAST Completed                               | ОК |

| 2024-10-19 12:40:36 | Android API Analysis Started                     | ОК |
|---------------------|--|----|
| 2024-10-19 12:40:53 | Android Permission Mapping Started               | ОК |
| 2024-10-19 12:41:06 | Android Permission Mapping Completed             | ОК |
| 2024-10-19 12:41:09 | Finished Code Analysis, Email and URL Extraction | ОК |
| 2024-10-19 12:41:09 | Extracting String data from APK                  | ОК |
| 2024-10-19 12:41:09 | Extracting String data from SO                   | ОК |
| 2024-10-19 12:41:10 | Extracting String data from Code                 | ОК |
| 2024-10-19 12:41:10 | Extracting String values and entropies from Code | ОК |
| 2024-10-19 12:41:12 | Performing Malware check on extracted domains    | ОК |
| 2024-10-19 12:41:21 | Saving to Database                               | ОК |

## Report Generated by - MobSF v4.0.7

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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