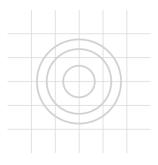


ANDROID STATIC ANALYSIS REPORT



UTPL-TT-MobileAppAdmin (1.0.0)

File Name: application-ff15b581-6e45-4d8b-860a-981c5991fbe6.apk

Package Name: com.bookstore.manager

Scan Date: Jan. 28, 2024, 11:40 p.m.

App Security Score: 53/100 (MEDIUM RISK)

Grade:

FINDINGS SEVERITY

| ≟ HIGH | ▲ MEDIUM | i INFO | ✓ SECURE | Q НОТЅРОТ |
|---------------|-----------------|--------|----------|------------------|
| 1 | 4 | 2 | 1 | 2 |

FILE INFORMATION

File Name: application-ff15b581-6e45-4d8b-860a-981c5991fbe6.apk

Size: 25.59MB

MD5: 7db12a10bc74163179a7af92631d7864

SHA1: c0a5fd5d140f111b2b924712298555ce45bdfe3c

\$HA256: 46757f2a8d26dbe2c618a0cdf773fe0c8be8773855d2a2a650556863f08ca9f9

i APP INFORMATION

App Name: UTPL-TT-MobileAppAdmin **Package Name:** com.bookstore.manager

Main Activity: com.bookstore.manager.MainActivity

Target SDK: 31 Min SDK: 21 Max SDK:

Android Version Name: 1.0.0 Android Version Code: 1

EE APP COMPONENTS

Activities: 2 Services: 0 Receivers: 0 Providers: 2

Exported Activities: 0 Exported Services: 0 Exported Receivers: 0 Exported Providers: 0

***** CERTIFICATE INFORMATION

APK is signed v1 signature: True v2 signature: True v3 signature: False

Found 1 unique certificates

Subject: C=US, ST=, L=, O=, OU=, CN= Signature Algorithm: rsassa_pkcs1v15 Valid From: 2023-02-04 01:54:37+00:00 Valid To: 2050-06-22 01:54:37+00:00 Issuer: C=US, ST=, L=, O=, OU=, CN=

Serial Number: 0x70ecb858 Hash Algorithm: sha256

md5: 1a52d660db975855602ceda9becc349d

sha1: 028d391467dac598cc2f135bc9b8b0e865d6450a

sha256: c9f248e83da8714565c4c293ef93c60838e41b8790a8c386e40f59958a7a3d54

sha512: 03298cce59af53271fea9ba9eae6379976cd3c8cf5c82ebfbfb04f14fcadd322bcedcecf42e3ba4f35d4117ec19e99fe4bf957ceeefe43c3de3325235deffc65

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: bf16a506b4744bcaa62cc6b9234235bd68ab72bd5d187c0e8d1d07ed110c5352

E APPLICATION PERMISSIONS

| PERMISSION | STATUS | INFO | DESCRIPTION |
|--|-----------|--|--|
| android.permission.INTERNET | normal | full Internet access | Allows an application to create network sockets. |
| android.permission.READ_EXTERNAL_STORAGE | dangerous | read external storage contents | Allows an application to read from external storage. |
| android.permission.SYSTEM_ALERT_WINDOW | dangerous | display system- level alerts | Allows an application to show system-alert windows. Malicious applications can take over the entire screen of the phone. |
| android.permission.VIBRATE | normal | control vibrator | Allows the application to control the vibrator. |
| android.permission.WRITE_EXTERNAL_STORAGE | dangerous | read/modify/delete external storage contents | Allows an application to write to external storage. |
| android.permission.USE_BIOMETRIC | normal | | 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. |
| com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE | unknown | Unknown permission | Unknown permission from android reference |



| FILE | DETAILS | | | | |
|--------------|--------------|---|--|--|--|
| | FINDINGS | DETAILS | | | |
| classes.dex | 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 | | | |
| | Compiler | r8 without marker (suspicious) | | | |
| | | | | | |
| classes2.dex | FINDINGS | DETAILS | | | |
| | Compiler | r8 without marker (suspicious) | | | |

BROWSABLE ACTIVITIES

| ACTIVITY | INTENT |
|------------------------------------|------------------------------------|
| com.bookstore.manager.MainActivity | Schemes: com.bookstore.manager://, |



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

CERTIFICATE ANALYSIS

| 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 | Clear text traffic is Enabled For App [android:usesCleartextTraffic=true] | high | The app intends to use cleartext network traffic, such as cleartext HTTP, FTP stacks, DownloadManager, and MediaPlayer. The default value for apps that target API level 27 or lower is "true". Apps that target API level 28 or higher default to "false". The key reason for avoiding cleartext traffic is the lack of confidentiality, authenticity, and protections against tampering; a network attacker can eavesdrop on transmitted data and also modify it without being detected. |
| 2 | Application Data can be Backed up [android:allowBackup=true] | warning | This flag allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device. |

</> CODE ANALYSIS

| N | 10 | ISSUE | SEVERITY | STANDARDS | FILES |
|---|----|---|----------|--|--|
| 1 | | The App logs information. Sensitive information should never be logged. | info | CWE: CWE-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3 | com/horcrux/svg/Brush.java com/horcrux/svg/ClipPathView.java com/horcrux/svg/ImageView.java com/horcrux/svg/LinearGradientView.java com/horcrux/svg/PatternView.java com/horcrux/svg/PatternView.java com/horcrux/svg/PatternView.java com/horcrux/svg/RadialGradientView.java com/horcrux/svg/UseView.java com/horcrux/svg/VirtualView.java com/swmansion/gesturehandler/react/RNGestureHan dlerModule.java com/swmansion/gesturehandler/react/RNGestureHan dlerRootHelper.java com/swmansion/gesturehandler/react/RNGestureHan dlerRootView.java com/swmansion/reanimated/NativeMethodsHelper.jav a com/swmansion/reanimated/NativeProxy.java com/swmansion/reanimated/ReanimatedJSIModulePa ckage.java com/swmansion/reanimated/ReanimatedModule.java com/swmansion/reanimated/layoutReanimation/Anim ationsManager.java com/swmansion/reanimated/layoutReanimation/Rean imatedNativeHierarchyManager.java com/swmansion/reanimated/sensor/ReanimatedSens orContainer.java com/swmansion/rnscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rnscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rnscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rnscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rnscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rnscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rnscreens/ScreenStackHeaderConfigV iewManager.java com/swmansion/rackagesCompanionspac kageList\$2.java expo/modules/ExpoModulesPackage\$Companion\$pac kageList\$2.java expo/modules/adapters/react/views/ViewManagerAda pterUtils.java |

| NO | ISSUE | SEVERITY | STANDARDS | expo/modules/application/ApplicationModule.java Expo/modules/apploader/AppLoaderProvider.java expo/modules/constants/ConstantsService.java |
|----|--|----------|---|--|
| | | | | expo/modules/constants/ExponentInstallationId.java expo/modules/core/logging/OSLogHandler.java expo/modules/filesystem/FileSystemModule.java expo/modules/securestore/AuthenticationHelper.java expo/modules/securestore/SecureStoreModule.java expo/modules/splashscreen/singletons/SplashScreen\$ show\$2.java expo/modules/splashscreen/singletons/SplashScreen\$ show\$4.java expo/modules/splashscreen/singletons/SplashScreen\$ show\$6.java |
| 2 | Files may contain hardcoded sensitive information like usernames, passwords, keys etc. | warning | CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14 | expo/modules/adapters/react/NativeModulesProxy.jav a expo/modules/constants/ExponentInstallationId.java expo/modules/errorrecovery/ErrorRecoveryModuleKt.j ava expo/modules/filesystem/FileSystemModuleKt.java expo/modules/interfaces/permissions/PermissionsRes ponse.java |
| 3 | MD5 is a weak hash known to have hash collisions. | warning | CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4 | expo/modules/filesystem/FileSystemModule.java |
| 4 | App can write to App Directory. Sensitive Information should be encrypted. | info | CWE: CWE-276: Incorrect Default Permissions OWASP MASVS: MSTG-STORAGE-14 | expo/modules/adapters/react/permissions/Permission sService.java expo/modules/constants/ExponentInstallationId.java expo/modules/errorrecovery/ErrorRecoveryModule.jav a |



| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------------|--|--|---|--|---|---------------------------------|
| 1 | lib/arm64-v8a/libc++_shared.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk', 'read_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 2 | lib/arm64-v8a/libexpo-modules-core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------------|--|--|---|--|---|---------------------------------|
| 3 | lib/arm64-v8a/libfabricjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------|--|--|---|--|---|---------------------------------|
| 4 | lib/arm64-v8a/libfb.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------|--|--|---|--|---|---------------------------------|
| 5 | lib/arm64-v8a/libfbjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-----------------------------------|--|--|---|--|--|---------------------------------|
| 6 | lib/arm64-v8a/libfolly_runtime.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memset_chk', 'memcpy_chk', 'vsnprintf_chk', 'strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------|--|--|---|--|---|---------------------------------|
| 7 | lib/arm64-v8a/libgifimage.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------|--|--|---|--|---|---------------------------------|
| 8 | lib/arm64-v8a/libglog.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strncat_chk', 'vsnprintf_chk', 'strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------------|--|--|---|--|---|---------------------------------|
| 9 | lib/arm64-v8a/libglog_init.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 10 | lib/arm64-v8a/libhermes-executor-release.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|----------------------------|--|--|---|--|--|---------------------------------|
| 11 | lib/arm64-v8a/libhermes.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strlen_chk', 'vsnprintf_chk', 'strchr_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-----------------------------------|--|--|---|--|---|---------------------------------|
| 12 | lib/arm64-v8a/libimagepipeline.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------|--|--|---|--|---|---------------------------------|
| 13 | lib/arm64-v8a/libjsi.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------------|--|--|---|--|---|---------------------------------|
| 14 | lib/arm64-v8a/libjsijniprofiler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------|--|--|---|--|---|---------------------------------|
| 15 | lib/arm64-v8a/libjsinspector.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|----------------------------|--|--|---|--|---|---------------------------------|
| 16 | lib/arm64-v8a/liblogger.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|----------------------------------|--|--|---|--|---|---------------------------------|
| 17 | lib/arm64-v8a/libmapbufferjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------------|--|--|---|--|---|---------------------------------|
| 18 | lib/arm64-v8a/libnative-filters.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 19 | lib/arm64-v8a/libnative-imagetranscoder.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk', 'vsprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 20 | lib/arm64-v8a/libreactnativeblob.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------------|--|--|---|--|---|---------------------------------|
| 21 | lib/arm64-v8a/libreactnativejni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 22 | lib/arm64-v8a/libreactperfloggerjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 23 | lib/arm64-v8a/libreact_codegen_rncore.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|----------------------------------|--|--|---|--|---|---------------------------------|
| 24 | lib/arm64-v8a/libreact_config.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------|--|--|---|--|---|---------------------------------|
| 25 | lib/arm64-v8a/libreact_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 26 | lib/arm64-v8a/libreact_nativemodule_core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 27 | lib/arm64-v8a/libreact_render_animations.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 28 | lib/arm64-v8a/libreact_render_attributedstring.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 29 | lib/arm64- v8a/libreact_render_componentregistry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 30 | lib/arm64-v8a/libreact_render_core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 31 | lib/arm64-v8a/libreact_render_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 32 | lib/arm64-v8a/libreact_render_graphics.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 33 | lib/arm64-v8a/libreact_render_imagemanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 34 | lib/arm64-v8a/libreact_render_leakchecker.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 35 | lib/arm64-v8a/libreact_render_mapbuffer.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 36 | lib/arm64-v8a/libreact_render_mounting.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 37 | lib/arm64- v8a/libreact_render_runtimescheduler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 38 | lib/arm64-v8a/libreact_render_scheduler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 39 | lib/arm64-v8a/libreact_render_telemetry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 40 | lib/arm64- v8a/libreact_render_templateprocessor.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 41 | lib/arm64- v8a/libreact_render_textlayoutmanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 42 | lib/arm64-v8a/libreact_render_uimanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------|--|--|---|--|---|---------------------------------|
| 43 | lib/arm64-v8a/libreact_utils.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------------|--|--|---|--|---|---------------------------------|
| 44 | lib/arm64-v8a/libreanimated.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------------|--|--|---|--|---|---------------------------------|
| 45 | lib/arm64-v8a/librrc_image.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------|--|--|---|--|---|---------------------------------|
| 46 | lib/arm64-v8a/librrc_root.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------------|--|--|---|--|---|---------------------------------|
| 47 | lib/arm64-v8a/librrc_scrollview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------|--|--|---|--|---|---------------------------------|
| 48 | lib/arm64-v8a/librrc_text.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-----------------------------------|--|--|---|--|---|---------------------------------|
| 49 | lib/arm64-v8a/librrc_textinput.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 50 | lib/arm64-v8a/librrc_unimplementedview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------|--|--|---|--|--|---------------------------------|
| 51 | lib/arm64-v8a/librrc_view.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 52 | lib/arm64-v8a/libruntimeexecutor.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------|--|--|---|--|---|---------------------------------|
| 53 | lib/arm64-v8a/libstatic-webp.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk', 'memcpy_chk', 'memmove_chk', 'vsprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 54 | lib/arm64-v8a/libturbomodulejsijni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------|--|--|---|--|--|---------------------------------|
| 55 | lib/arm64-v8a/libyoga.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|----------------------------------|--|--|---|--|---|---------------------------------|
| 56 | lib/armeabi-v7a/libc++_shared.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 57 | lib/armeabi-v7a/libexpo-modules-core.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------|--|--|---|--|---|---------------------------------|
| 58 | lib/armeabi-v7a/libfabricjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------|--|--|---|--|---|---------------------------------|
| 59 | lib/armeabi-v7a/libfb.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-----------------------------|--|--|---|--|---|---------------------------------|
| 60 | lib/armeabi-v7a/libfbjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------------------|--|--|---|--|--|---------------------------------|
| 61 | lib/armeabi-v7a/libfolly_runtime.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strlen_chk', 'vsnprintf_chk', 'memset_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------------|--|--|---|--|---|---------------------------------|
| 62 | lib/armeabi-v7a/libgifimage.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|----------------------------|--|--|---|--|---|---------------------------------|
| 63 | lib/armeabi-v7a/libglog.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strncat_chk', 'memcpy_chk', 'strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------|--|--|---|--|---|---------------------------------|
| 64 | lib/armeabi-v7a/libglog_init.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 65 | lib/armeabi-v7a/libhermes-executor-release.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------|--|--|---|--|--|---------------------------------|
| 66 | lib/armeabi-v7a/libhermes.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strlen_chk', 'vsnprintf_chk', 'strchr_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 67 | lib/armeabi-v7a/libimagepipeline.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------|--|--|---|--|---|---------------------------------|
| 68 | lib/armeabi-v7a/libjsi.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 69 | lib/armeabi-v7a/libjsijniprofiler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-----------------------------------|--|--|---|--|---|---------------------------------|
| 70 | lib/armeabi-v7a/libjsinspector.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------|--|--|---|--|---|---------------------------------|
| 71 | lib/armeabi-v7a/liblogger.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------------|--|--|---|--|---|---------------------------------|
| 72 | lib/armeabi-v7a/libmapbufferjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 73 | lib/armeabi-v7a/libnative-filters.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 74 | lib/armeabi-v7a/libnative-imagetranscoder.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 75 | lib/armeabi-v7a/libreactnativeblob.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 76 | lib/armeabi-v7a/libreactnativejni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 77 | lib/armeabi-v7a/libreactperfloggerjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 78 | lib/armeabi-v7a/libreact_codegen_rncore.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|------------------------------------|--|--|---|--|---|---------------------------------|
| 79 | lib/armeabi-v7a/libreact_config.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-----------------------------------|--|--|---|--|---|---------------------------------|
| 80 | lib/armeabi-v7a/libreact_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 81 | lib/armeabi-v7a/libreact_nativemodule_core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 82 | lib/armeabi-v7a/libreact_render_animations.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 83 | lib/armeabi- v7a/libreact_render_attributedstring.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 84 | lib/armeabi- v7a/libreact_render_componentregistry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 85 | lib/armeabi-v7a/libreact_render_core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 86 | lib/armeabi-v7a/libreact_render_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 87 | lib/armeabi-v7a/libreact_render_graphics.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 88 | lib/armeabi- v7a/libreact_render_imagemanager.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 89 | lib/armeabi-v7a/libreact_render_leakchecker.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 90 | lib/armeabi-v7a/libreact_render_mapbuffer.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 91 | lib/armeabi-v7a/libreact_render_mounting.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|---|--|--|---|--|---|---------------------------------|
| 92 | lib/armeabi- v7a/libreact_render_runtimescheduler.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 93 | lib/armeabi-v7a/libreact_render_scheduler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 94 | lib/armeabi-v7a/libreact_render_telemetry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 95 | lib/armeabi- v7a/libreact_render_templateprocessor.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 96 | lib/armeabi- v7a/libreact_render_textlayoutmanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|--|--|--|---|--|---|---------------------------------|
| 97 | lib/armeabi-v7a/libreact_render_uimanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|-----------------------------------|--|--|---|--|---|---------------------------------|
| 98 | lib/armeabi-v7a/libreact_utils.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|----|----------------------------------|--|--|---|--|---|---------------------------------|
| 99 | lib/armeabi-v7a/libreanimated.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 100 | lib/armeabi-v7a/librrc_image.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------|--|--|---|--|---|---------------------------------|
| 101 | lib/armeabi-v7a/librrc_root.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 102 | lib/armeabi-v7a/librrc_scrollview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------|--|--|---|--|---|---------------------------------|
| 103 | lib/armeabi-v7a/librrc_text.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 104 | lib/armeabi-v7a/librrc_textinput.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 105 | lib/armeabi-v7a/librrc_unimplementedview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------|--|--|---|--|--|---------------------------------|
| 106 | lib/armeabi-v7a/librrc_view.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 107 | lib/armeabi-v7a/libruntimeexecutor.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------------------|--|--|---|--|---|---------------------------------|
| 108 | lib/armeabi-v7a/libstatic-webp.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 109 | lib/armeabi-v7a/libturbomodulejsijni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------|--|--|---|--|--|---------------------------------|
| 110 | lib/armeabi-v7a/libyoga.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk', 'vsnprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------|--|--|---|--|---|---------------------------------|
| 111 | lib/x86/libc++_shared.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 112 | lib/x86/libexpo-modules-core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------|--|--|---|--|---|---------------------------------|
| 113 | lib/x86/libfabricjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------|--|--|---|--|---|---------------------------------|
| 114 | lib/x86/libfb.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------|--|--|---|--|---|---------------------------------|
| 115 | lib/x86/libfbjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------------|--|--|---|--|--|---------------------------------|
| 116 | lib/x86/libfolly_runtime.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strlen_chk', 'vsnprintf_chk', 'memset_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------|--|--|---|--|---|---------------------------------|
| 117 | lib/x86/libgifimage.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------|--|--|---|--|---|---------------------------------|
| 118 | lib/x86/libglog.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk', 'strncat_chk', 'vsnprintf_chk', 'memcpy_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------|--|--|---|--|---|---------------------------------|
| 119 | lib/x86/libglog_init.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 120 | lib/x86/libhermes-executor-release.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------|--|--|---|--|--|---------------------------------|
| 121 | lib/x86/libhermes.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strlen_chk', 'vsnprintf_chk', 'strchr_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------------|--|--|---|--|---|---------------------------------|
| 122 | lib/x86/libimagepipeline.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------|--|--|---|--|---|---------------------------------|
| 123 | lib/x86/libjsi.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 124 | lib/x86/libjsijniprofiler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 125 | lib/x86/libjsinspector.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------|--|--|---|--|---|---------------------------------|
| 126 | lib/x86/liblogger.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------|--|--|---|--|---|---------------------------------|
| 127 | lib/x86/libmapbufferjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 128 | lib/x86/libnative-filters.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 129 | lib/x86/libnative-imagetranscoder.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------|--|--|---|--|---|---------------------------------|
| 130 | lib/x86/libreactnativeblob.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 131 | lib/x86/libreactnativejni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------------|--|--|---|--|---|---------------------------------|
| 132 | lib/x86/libreactperfloggerjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------------|--|--|---|--|---|---------------------------------|
| 133 | lib/x86/libreact_codegen_rncore.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------|--|--|---|--|---|---------------------------------|
| 134 | lib/x86/libreact_config.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 135 | lib/x86/libreact_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 136 | lib/x86/libreact_nativemodule_core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 137 | lib/x86/libreact_render_animations.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 138 | lib/x86/libreact_render_attributedstring.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 139 | lib/x86/libreact_render_componentregistry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 140 | lib/x86/libreact_render_core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------------|--|--|---|--|---|---------------------------------|
| 141 | lib/x86/libreact_render_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 142 | lib/x86/libreact_render_graphics.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 143 | lib/x86/libreact_render_imagemanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 144 | lib/x86/libreact_render_leakchecker.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 145 | lib/x86/libreact_render_mapbuffer.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 146 | lib/x86/libreact_render_mounting.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 147 | lib/x86/libreact_render_runtimescheduler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 148 | lib/x86/libreact_render_scheduler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 149 | lib/x86/libreact_render_telemetry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 150 | lib/x86/libreact_render_templateprocessor.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 151 | lib/x86/libreact_render_textlayoutmanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------------|--|--|---|--|---|---------------------------------|
| 152 | lib/x86/libreact_render_uimanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 153 | lib/x86/libreact_utils.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------|--|--|---|--|---|---------------------------------|
| 154 | lib/x86/libreanimated.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------|--|--|---|--|---|---------------------------------|
| 155 | lib/x86/librrc_image.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------|--|--|---|--|---|---------------------------------|
| 156 | lib/x86/librrc_root.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 157 | lib/x86/librrc_scrollview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------|--|--|---|--|---|---------------------------------|
| 158 | lib/x86/librrc_text.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------------|--|--|---|--|---|---------------------------------|
| 159 | lib/x86/librrc_textinput.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 160 | lib/x86/librrc_unimplementedview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------|--|--|---|--|---|---------------------------------|
| 161 | lib/x86/librrc_view.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['_vsnprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------|--|--|---|--|---|---------------------------------|
| 162 | lib/x86/libruntimeexecutor.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 163 | lib/x86/libstatic-webp.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 164 | lib/x86/libturbomodulejsijni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------|--|--|---|--|--|---------------------------------|
| 165 | lib/x86/libyoga.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk', 'vsnprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------------|--|--|---|--|---|---------------------------------|
| 166 | lib/x86_64/libc++_shared.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memmove_chk', 'strlen_chk', 'vsnprintf_chk', 'read_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------------|--|--|---|--|---|---------------------------------|
| 167 | lib/x86_64/libexpo-modules-core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------|--|--|---|--|---|---------------------------------|
| 168 | lib/x86_64/libfabricjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------|--|--|---|--|---|---------------------------------|
| 169 | lib/x86_64/libfb.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------|--|--|---|--|---|---------------------------------|
| 170 | lib/x86_64/libfbjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------|--|--|---|--|--|---------------------------------|
| 171 | lib/x86_64/libfolly_runtime.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strlen_chk', 'vsnprintf_chk', 'memset_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 172 | lib/x86_64/libgifimage.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------|--|--|---|--|---|---------------------------------|
| 173 | lib/x86_64/libglog.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strncat_chk', 'vsnprintf_chk', 'memcpy_chk', 'strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------|--|--|---|--|---|---------------------------------|
| 174 | lib/x86_64/libglog_init.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 175 | lib/x86_64/libhermes-executor-release.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------|--|--|---|--|--|---------------------------------|
| 176 | lib/x86_64/libhermes.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk', 'strlen_chk', 'vsnprintf_chk', 'strchr_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------|--|--|---|--|---|---------------------------------|
| 177 | lib/x86_64/libimagepipeline.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------|--|--|---|--|---|---------------------------------|
| 178 | lib/x86_64/libjsi.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 179 | lib/x86_64/libjsijniprofiler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 180 | lib/x86_64/libjsinspector.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------|--|--|---|--|---|---------------------------------|
| 181 | lib/x86_64/liblogger.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------|--|--|---|--|---|---------------------------------|
| 182 | lib/x86_64/libmapbufferjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 183 | lib/x86_64/libnative-filters.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 184 | lib/x86_64/libnative-imagetranscoder.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsprintf_chk', 'memmove_chk', 'strlen_chk', 'vsnprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------------|--|--|---|--|---|---------------------------------|
| 185 | lib/x86_64/libreactnativeblob.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 186 | lib/x86_64/libreactnativejni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 187 | lib/x86_64/libreactperfloggerjni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------------|--|--|---|--|---|---------------------------------|
| 188 | lib/x86_64/libreact_codegen_rncore.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------|--|--|---|--|---|---------------------------------|
| 189 | lib/x86_64/libreact_config.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 190 | lib/x86_64/libreact_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 191 | lib/x86_64/libreact_nativemodule_core.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 192 | lib/x86_64/libreact_render_animations.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 193 | lib/x86_64/libreact_render_attributedstring.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 194 | lib/x86_64/libreact_render_componentregistry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------------|--|--|---|--|---|---------------------------------|
| 195 | lib/x86_64/libreact_render_core.so | True info The shared object has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-------------------------------------|--|--|---|--|---|---------------------------------|
| 196 | lib/x86_64/libreact_render_debug.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 197 | lib/x86_64/libreact_render_graphics.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 198 | lib/x86_64/libreact_render_imagemanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 199 | lib/x86_64/libreact_render_leakchecker.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 200 | lib/x86_64/libreact_render_mapbuffer.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['memcpy_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 201 | lib/x86_64/libreact_render_mounting.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 202 | lib/x86_64/libreact_render_runtimescheduler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 203 | lib/x86_64/libreact_render_scheduler.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 204 | lib/x86_64/libreact_render_telemetry.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 205 | lib/x86_64/libreact_render_templateprocessor.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 206 | lib/x86_64/libreact_render_textlayoutmanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---|--|--|---|--|---|---------------------------------|
| 207 | lib/x86_64/libreact_render_uimanager.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 208 | lib/x86_64/libreact_utils.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------------|--|--|---|--|---|---------------------------------|
| 209 | lib/x86_64/libreanimated.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------|--|--|---|--|---|---------------------------------|
| 210 | lib/x86_64/librrc_image.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 211 | lib/x86_64/librrc_root.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------------|--|--|---|--|---|---------------------------------|
| 212 | lib/x86_64/librrc_scrollview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 213 | lib/x86_64/librrc_text.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--------------------------------|--|--|---|--|---|---------------------------------|
| 214 | lib/x86_64/librrc_textinput.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|--|--|--|---|--|---|---------------------------------|
| 215 | lib/x86_64/librrc_unimplementedview.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|---------------------------|--|--|---|--|---|---------------------------------|
| 216 | lib/x86_64/librrc_view.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['_vsnprintf_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|----------------------------------|--|--|---|--|---|---------------------------------|
| 217 | lib/x86_64/libruntimeexecutor.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | False high This shared object 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. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | False warning The shared object 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. | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------|--|--|---|--|---|---------------------------------|
| 218 | lib/x86_64/libstatic-webp.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk', 'memmove_chk', 'vsprintf_chk', 'nemcpy_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|------------------------------------|--|--|---|--|---|---------------------------------|
| 219 | lib/x86_64/libturbomodulejsijni.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk'] | True info Symbols are stripped. |

| NO | SHARED OBJECT | NX | STACK CANARY | RPATH | RUNPATH | FORTIFY | SYMBOLS STRIPPED |
|-----|-----------------------|--|--|---|--|--|---------------------------------|
| 220 | lib/x86_64/libyoga.so | True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable. | True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return. | None info The shared object does not have run- time search path or RPATH set. | None info The shared object does not have RUNPATH set. | True info The shared object has the following fortified functions: ['strlen_chk', 'vsnprintf_chk'] | True info Symbols are stripped. |

■ NIAP ANALYSIS v1.3

| NO | IDENTIFIER | REQUIREMENT | FEATURE | DESCRIPTION |
|----|-----------------|-------------------------------------|--|---|
| 1 | FCS_RBG_EXT.1.1 | Security Functional Requirements | Random Bit Generation Services | The application invoke platform-provided DRBG functionality for its cryptographic operations. |
| 2 | FCS_STO_EXT.1.1 | Security Functional Requirements | Storage of Credentials | The application does not store any credentials to non-volatile memory. |
| 3 | FCS_CKM_EXT.1.1 | Security Functional Requirements | Cryptographic Key Generation Services | The application implement asymmetric key generation. |
| 4 | FDP_DEC_EXT.1.1 | Security Functional Requirements | Access to Platform Resources | The application has access to ['network connectivity']. |
| 5 | FDP_DEC_EXT.1.2 | Security Functional Requirements | Access to Platform Resources | The application has access to no sensitive information repositories. |
| 6 | FDP_NET_EXT.1.1 | Security Functional Requirements | Network Communications | The application has user/application initiated network communications. |
| 7 | FDP_DAR_EXT.1.1 | Security Functional Requirements | Encryption Of Sensitive Application Data | The application implement functionality to encrypt sensitive data in non-volatile memory. |
| 8 | FMT_MEC_EXT.1.1 | Security Functional Requirements | Supported Configuration Mechanism | The application invoke the mechanisms recommended by the platform vendor for storing and setting configuration options. |
| 9 | FTP_DIT_EXT.1.1 | Security Functional Requirements | Protection of Data in Transit | The application does encrypt some transmitted data with HTTPS/TLS/SSH between itself and another trusted IT product. |

| NO | IDENTIFIER | REQUIREMENT | FEATURE | DESCRIPTION |
|----|---------------------------------|--|---|---|
| 10 | FCS_RBG_EXT.2.1,FCS_RBG_EXT.2.2 | Selection-Based Security Functional Requirements | Random Bit Generation from Application | The application perform all deterministic random bit generation (DRBG) services in accordance with NIST Special Publication 800-90A using Hash_DRBG. The deterministic RBG is seeded by an entropy source that accumulates entropy from a platform-based DRBG and a software-based noise source, with a minimum of 256 bits of entropy at least equal to the greatest security strength (according to NIST SP 800-57) of the keys and hashes that it will generate. |
| 11 | FCS_COP.1.1(1) | Selection-Based Security Functional Requirements | Cryptographic Operation - Encryption/Decryption | The application perform encryption/decryption in accordance with a specified cryptographic algorithm AES-CBC (as defined in NIST SP 800-38A) mode or AES-GCM (as defined in NIST SP 800-38D) and cryptographic key sizes 256-bit/128-bit. |
| 12 | FCS_COP.1.1(2) | Selection-Based Security Functional Requirements | Cryptographic Operation - Hashing | The application perform cryptographic hashing services not in accordance with FCS_COP.1.1(2) and uses the cryptographic algorithm RC2/RC4/MD4/MD5. |
| 13 | FCS_HTTPS_EXT.1.2 | Selection-Based Security Functional Requirements | HTTPS Protocol | The application implement HTTPS using TLS. |
| 14 | FCS_HTTPS_EXT.1.3 | Selection-Based Security Functional Requirements | HTTPS Protocol | The application notify the user and not establish the connection or request application authorization to establish the connection if the peer certificate is deemed invalid. |
| 15 | FIA_X509_EXT.2.1 | Selection-Based Security Functional Requirements | X.509 Certificate Authentication | The application use X.509v3 certificates as defined by RFC 5280 to support authentication for HTTPS , TLS. |
| 16 | FCS_CKM.1.1(2) | Optional Security Functional Requirements | Cryptographic Symmetric Key Generation | The application shall generate symmetric cryptographic keys using a Random Bit Generator as specified in FCS_RBG_EXT.1 and specified cryptographic key sizes 128 bit or 256 bit. |

Q DOMAIN MALWARE CHECK

| DOMAIN | STATUS | GEOLOCATION |
|--------------------|--------|--|
| github.com | ok | IP: 140.82.114.3 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map |
| docs.swmansion.com | ok | IP: 172.67.142.188 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map |
| ns.adobe.com | ok | No Geolocation information available. |

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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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