ANDROID STATIC ANALYSIS REPORT

app_icon

🤖 EVA AI (ex-Journey) (3.49.0)

File Name:	EVA AI Chat Bot & Soulmate_3.49.0_Apkpure.apk
Package Name:	com.ifriend.app
Scan Date:	Dec. 4, 2023, 3:07 a.m.
App Security Score:	**37/100 (HIGH RISK)**
Grade:	C
Trackers Detection:	7/428

FINDINGS SEVERITY

🐞 HIGH	⚠ MEDIUM	ℹ INFO	✔ SECURE	🔍 HOTSPOT
10	16	1	2	2

FILE INFORMATION

File Name: EVA AI Chat Bot & Soulmate_3.49.0_Apkpure.apk
Size: 49.53MB
MD5: fb5607a5d62140fa98448f052eb086e7
SHA1: b9c1f552acaa6ab35abe019906b7feed984247ef
SHA256: f6fe0c74de77d0c778d25cbc624970bcae66e4afd4fe2e2993fc917db25fe022

APP INFORMATION

App Name: EVA AI (ex-Journey)
Package Name: com.ifriend.app
Main Activity:
Target SDK: 34
Min SDK: 23
Max SDK:
Android Version Name: 3.49.0

Android Version Code: 36961

◫ APP COMPONENTS

Activities: 11
Services: 9
Receivers: 6
Providers: 5
Exported Activities: 7
Exported Services: 1
Exported Receivers: 2
Exported Providers: 0

✳ CERTIFICATE INFORMATION

Binary is signed
v1 signature: True
v2 signature: True
v3 signature: True
v4 signature: False
X.509 Subject: C=US, ST=California, L=Mountain View, O=Google Inc., OU=Android, CN=Android
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2021-02-08 10:13:25+00:00
Valid To: 2051-02-08 10:13:25+00:00
Issuer: C=US, ST=California, L=Mountain View, O=Google Inc., OU=Android, CN=Android
Serial Number: 0x7fa952d1c8844c0697f968e120cb97a3efc84be6
Hash Algorithm: sha256
md5: 8d6154a33e039554e079ad7d11b1b792
sha1: ca5acd5b5bd0a38aef1a548f579921194102673c
sha256: 903fbfbdb4c14e72d862476cbd6bcfe0dff730543fc935731804e33c859cc6c7
sha512: e8db12cc0c8cb7256194032787bfecebcd930ae113674cfedf5d7863598116a2b2046f3d593d7e9588fe183cd1877c30a99c8e4952558e1ba9800a425eac3f41
PublicKey Algorithm: rsa
Bit Size: 4096
Fingerprint: 650d0dcaad59f572ba4d9fde90635619175be9e44bacf1c352b9a043e1fa5af9
Found 1 unique certificates

≡ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
com.android.vending.BILLING	unknown	Unknown permission	Unknown permission from android reference
android.permission.RECORD_AUDIO	dangerous	record audio	Allows application to access the audio record path.
android.permission.POST_NOTIFICATIONS	dangerous		Allows an app to post notifications
android.permission.READ_MEDIA_IMAGES	dangerous		Allows an application to read image files from external storage.
com.google.android.gms.permission.AD_ID	unknown	Unknown permission	Unknown permission from android reference
android.permission.CAMERA	dangerous	take pictures and videos	Allows application to take pictures and videos with the camera. This allows the application to collect images that the camera is seeing at any time.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.ACCESS_WIFI_STATE	normal	view Wi-Fi status	Allows an application to view the information about the status of Wi-Fi.
android.permission.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.
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
com.google.android.c2dm.permission.RECEIVE	signature	C2DM permissions	Permission for cloud to device messaging.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	unknown	Unknown permission	Unknown permission from android reference
com.ifriend.app.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference

ⵙ APKID ANALYSIS

FILE	DETAILS	
classes.dex	**FINDINGS**	**DETAILS**
	Compiler	r8 without marker (suspicious)

FILE	DETAILS	
classes2.dex	**FINDINGS**	**DETAILS**
	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check possible Build.SERIAL check Build.TAGS check SIM operator check network operator name check ro.kernel.qemu check possible VM check
	Compiler	r8 without marker (suspicious)

FILE	DETAILS	
classes3.dex	**FINDINGS**	**DETAILS**
	Anti-VM Code	Build.MANUFACTURER check
	Compiler	r8 without marker (suspicious)

FILE	DETAILS
classes4.dex	

FINDINGS	DETAILS
Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check possible VM check
Anti Debug Code	Debug.isDebuggerConnected() check
Compiler	r8 without marker (suspicious)

classes5.dex

FINDINGS	DETAILS
Compiler	r8 without marker (suspicious)

FILE	DETAILS
classes6.dex	**FINDINGS / DETAILS** **Anti-VM Code** — Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check **Compiler** — r8 without marker (suspicious)
classes7.dex	**FINDINGS / DETAILS** **Anti Debug Code** — Debug.isDebuggerConnected() check **Anti-VM Code** — Build.MODEL check Build.PRODUCT check Build.HARDWARE check Build.TAGS check possible VM check **Compiler** — r8 without marker (suspicious)

classes6.dex

FINDINGS	DETAILS
Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check
Compiler	r8 without marker (suspicious)

classes7.dex

FINDINGS	DETAILS
Anti Debug Code	Debug.isDebuggerConnected() check
Anti-VM Code	Build.MODEL check Build.PRODUCT check Build.HARDWARE check Build.TAGS check possible VM check
Compiler	r8 without marker (suspicious)

FILE	DETAILS	
classes8.dex	**FINDINGS**	**DETAILS**
	Compiler	unknown (please file detection issue!)

🗔 BROWSABLE ACTIVITIES

ACTIVITY	INTENT
com.ifriend.app.ui.splash.SplashActivity	Schemes: https://, Hosts: evaai.onelink.me, journeyapp.onelink.me, www.ifriend.ai, ifriend.ai, www.evaapp.ai, evaapp.ai, journeyapp.ai, www.journeyapp.ai, Path Prefixes: /2Npy, /9rvJ, /email-confirmation, /avatars, /chat,
com.facebook.CustomTabActivity	Schemes: @string/fb_login_protocol_scheme://, fbconnect://, Hosts: cct.com.ifriend.app,

🔒 NETWORK SECURITY

HIGH: **1** | WARNING: **1** | INFO: **0** | SECURE: **0**

NO	SCOPE	SEVERITY	DESCRIPTION
1	*	high	Base config is configured to trust user installed certificates.
2	*	warning	Base config is configured to trust system certificates.

📇 CERTIFICATE ANALYSIS

HIGH: **0** | WARNING: **1** | INFO: **1**

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate
Application vulnerable to Janus Vulnerability	warning	Application is signed with v1 signature scheme, making it vulnerable to Janus vulnerability on Android 5.0-8.0, if signed only with v1 signature scheme. Applications running on Android 5.0-7.0 signed with v1, and v2/v3 scheme is also vulnerable.

🔍 MANIFEST ANALYSIS

HIGH: **7** | WARNING: **5** | INFO: **0** | SUPPRESSED: **0**

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable Android version [minSdk=23]	warning	This application can be installed on an older version of android that has multiple unfixed vulnerabilities. Support an Android version > 8, API 26 to receive reasonable security updates.
2	App has a Network Security Configuration [android:networkSecurityConfig=@xml/network_security_config]	info	The Network Security Configuration feature lets apps customize their network security settings in a safe, declarative configuration file without modifying app code. These settings can be configured for specific domains and for a specific app.
3	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.

NO	ISSUE	SEVERITY	DESCRIPTION
4	Activity (com.ifriend.app.ui.splash.SplashActivity) is not Protected. [android:exported=true]	high	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
5	Activity-Alias (com.ifriend.app.ui.splash.PremiumSplashActivity) is not Protected. [android:exported=true]	high	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
6	Activity-Alias (com.ifriend.app.ui.splash.NotPremiumSplashActivity) is not Protected. [android:exported=true]	high	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
7	Activity (com.ifriend.chat.presentation.ui.AppActivity) is not Protected. [android:exported=true]	high	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
8	Activity (com.ifriend.registration.presentation.ui.RegistrationActivity) is not Protected. [android:exported=true]	high	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
9	Activity (com.facebook.CustomTabActivity) is not Protected. [android:exported=true]	high	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
10	Activity (androidx.compose.ui.tooling.PreviewActivity) is not Protected. [android:exported=true]	high	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.

NO	ISSUE	SEVERITY	DESCRIPTION
11	Service (com.google.android.gms.auth.api.signin.RevocationBoundService) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.gms.auth.api.signin.permission.REVOCATION_NOTIFICATION [android:exported=true]	warning	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
12	Broadcast Receiver (com.google.firebase.iid.FirebaseInstanceIdReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.c2dm.permission.SEND [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
13	Broadcast Receiver (androidx.profileinstaller.ProfileInstallReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.DUMP [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

</> CODE ANALYSIS

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

NO	ISSUE	SEVERITY	STANDARDS	FILES
				by/kirich1409/viewbindingdelegate/LifecycleViewBindingProperty.java cc/cloudist/acplibrary/ACProgressCustom.java cc/cloudist/acplibrary/views/CustomView.java cc/cloudist/acplibrary/views/PieView.java com/airbnb/lottie/LottieAnimationView.java com/airbnb/lottie/PerformanceTracker.java com/airbnb/lottie/utils/LogcatLogger.java com/appsflyer/AFLogger.java com/bumptech/glide/Glide.java com/bumptech/glide/gifdecoder/GifHeaderParser.java com/bumptech/glide/gifdecoder/StandardGifDecoder.java com/bumptech/glide/load/data/AssetPathFetcher.java com/bumptech/glide/load/data/HttpUrlFetcher.java com/bumptech/glide/load/data/LocalUriFetcher.java com/bumptech/glide/load/data/mediastore/ThumbFetcher.java com/bumptech/glide/load/data/mediastore/ThumbnailStreamOpener.java com/bumptech/glide/load/engine/DecodeJob.java com/bumptech/glide/load/engine/DecodePath.java com/bumptech/glide/load/engine/Engine.java com/bumptech/glide/load/engine/GlideException.java com/bumptech/glide/load/engine/SourceGenerator.java com/bumptech/glide/load/engine/bitmap_recycle/LruArrayPool.java com/bumptech/glide/load/engine/bitmap_recycle/LruBitmapPool.java com/bumptech/glide/load/engine/cache/DiskLruCacheWrapper.java com/bumptech/glide/load/engine/cache/MemorySizeCalculator.java com/bumptech/glide/load/engine/executor/GlideExecutor.ja

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/bumptech/glide/load/engine/executor/GlideExecutor.java
				com/bumptech/glide/load/engine/executor/RuntimeCompat.java
				com/bumptech/glide/load/engine/prefill/BitmapPreFillRunner.java
				com/bumptech/glide/load/model/ByteBufferEncoder.java
				com/bumptech/glide/load/model/ByteBufferFileLoader.java
				com/bumptech/glide/load/model/FileLoader.java
				com/bumptech/glide/load/model/ResourceLoader.java
				com/bumptech/glide/load/model/StreamEncoder.java
				com/bumptech/glide/load/resource/DefaultOnHeaderDecodedListener.java
				com/bumptech/glide/load/resource/bitmap/BitmapEncoder.java
				com/bumptech/glide/load/resource/bitmap/BitmapImageDecoderResourceDecoder.java
				com/bumptech/glide/load/resource/bitmap/DefaultImageHeaderParser.java
				com/bumptech/glide/load/resource/bitmap/Downsampler.java
				com/bumptech/glide/load/resource/bitmap/DrawableToBitmapConverter.java
				com/bumptech/glide/load/resource/bitmap/HardwareConfigState.java
				com/bumptech/glide/load/resource/bitmap/TransformationUtils.java
				com/bumptech/glide/load/resource/bitmap/VideoDecoder.java
				com/bumptech/glide/load/resource/gif/ByteBufferGifDecoder.java
				com/bumptech/glide/load/resource/gif/GifDrawableEncoder.java
				com/bumptech/glide/load/resource/gif/StreamGifDecoder.java
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/bumptech/glide/manager/DefaultConnectivityMonitorFactory.java
				com/bumptech/glide/manager/RequestManagerFragment.java
				com/bumptech/glide/manager/RequestManagerRetriever.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/bumptech/glide/manager/RequestTracker.java
				com/bumptech/glide/manager/SingletonConnectivityReceiver.java
				com/bumptech/glide/manager/SupportRequestManagerFragment.java
				com/bumptech/glide/module/ManifestParser.java
				com/bumptech/glide/request/SingleRequest.java
				com/bumptech/glide/request/target/CustomViewTarget.java
				com/bumptech/glide/request/target/ViewTarget.java
				com/bumptech/glide/signature/ApplicationVersionSignature.java
				com/bumptech/glide/util/ContentLengthInputStream.java
				com/bumptech/glide/util/pool/FactoryPools.java
				com/ifriend/analytics/AppsFlyerAnalyticsSender.java
				com/ifriend/analytics/FirebaseAnalyticsSender.java
				com/ifriend/animatedBackground/droplet/DropletBackgroundView$touchEvent$1.java
				com/ifriend/animatedBackground/droplet/DropletBackgroundView.java
				com/ifriend/chat/new_chat/list/presentationSystems/audio/decode/DecodingAudioEventsHandlingSystem.java
				com/ifriend/chat/presentation/utils/ScreenshotDetectionDelegate.java
				com/ifriend/core/MessagesSourceLifecycleController$subscribeOnConnectionAvailability$1.java
				com/ifriend/data/networking/api/FirebaseApiRepositoryImpl$unsubscribe$2$1.java
				com/ifriend/data/socket/MessagesSocketUrlProvider.java
				com/ifriend/data/storages/tags/TagsStorageImpl.java
				com/ifriend/icon_switcher/AppComponentPostponedSwitcher.java
				com/ifriend/infrastructure/ProdLogger.java
				com/ifriend/infrastructure/audio/player/MediaPlayerPlaybackController.java
				com/ifriend/infrastructure/connectivity/InternetConnectionImpl$isInternetAvailable$2.java
				com/ifriend/infrastructure/connectivity/InternetConnectionImpl.java
				com/ifriend/keychain/KeychainAdapter.java
				com/ifriend/keychain/KeychainModule.java
				com/ifriend/keychain/cipherStorage/CipherStorageBase.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/ifriend/keychain/cipherStorage/CipherStorageFacebook Conceal.java com/ifriend/keychain/cipherStorage/CipherStorageKeystore AesCbc.java com/ifriend/keychain/cipherStorage/CipherStorageKeystore RsaEcb.java com/ifriend/registration/presentation/bridges/facebook/Fac ebookAuthorizationBridgeImpl.java com/ifriend/ui/base/FragmentLifecycleLogger.java com/ifriend/ui/base/mvvm/FragmentBaseView.java com/ifriend/ui/utils/insets/InsetsExtensionsKt.java com/redmadrobot/extensions/viewbinding/ViewBindingKt.j ava com/tbuonomo/viewpagerdotsindicator/DotsIndicator.java eightbitlab/com/blurview/BlurView.java io/github/aakira/napier/DebugAntilog.java io/grpc/netty/shaded/io/netty/util/Version.java io/grpc/okhttp/internal/Platform.java io/sentry/SystemOutLogger.java io/sentry/android/core/AndroidLogger.java io/sentry/transport/StdoutTransport.java org/conscrypt/ct/CTVerifier.java timber/log/Timber.java
				coil/memory/MemoryCache.java coil/memory/MemoryCacheService.java coil/request/Parameters.java com/airbnb/lottie/compose/RememberLottieCompositionKt. java com/bumptech/glide/load/Option.java com/bumptech/glide/load/engine/DataCacheKey.java com/bumptech/glide/load/engine/EngineResource.java com/bumptech/glide/load/engine/ResourceCacheKey.java com/bumptech/glide/manager/RequestManagerRetriever.ja va com/ifiend/billing/impl/manager/BillingManagerImpl.java com/ifriend/app/appsflyer/AppsFlyerInitDelegateImpl.java com/ifriend/chat/new_chat/list/player/AudioPlayer.java com/ifriend/core/local/impl/common/LocalDataConst.java com/ifriend/core/remote/interceptors/DataDogAuthIntercep

NO	ISSUE	SEVERITY	STANDARDS	FILES
				tor.java com/ifriend/data/memorycached/chats/ChatConfigsMemoryCachedSourceImpl.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	com/ifriend/data/memorycached/onboarding/OnboardingChatConfigsMemoryCachedSourceImpl.java com/ifriend/data/networking/OkHttpClientProviderKt.java com/ifriend/data/networking/responses/EmailRegistrationRequest.java com/ifriend/data/networking/responses/EmailRegistrationResponse.java com/ifriend/data/repository/onboarding/OnboardingAnswersRepositoryImpl.java com/ifriend/data/socket/common/SocketMessageKeys.java com/ifriend/data/storages/diary/ShownDiaryNotesDaoImpl.java com/ifriend/domain/config/ConfigEntity.java com/ifriend/domain/data/install/PreferencesAppInstallStorage.java com/ifriend/domain/rateUs/RateUsStateStorageImpl.java com/ifriend/keychain/KeychainAdapterKt.java com/ifriend/keychain/KeychainModule.java com/ifriend/logger/impl/logic/AppLoggerInteractorImpl.java com/ifriend/long_term_notifications/impl/LongTermNotificationManagerImpl.java com/ifriend/popup/api/PopupResultModelKt.java com/ifriend/popup/impl/CommonPopupDialog.java com/ifriend/popup/impl/UpgradePopupDialog.java com/ifriend/presentation/features/chatsettings/ui/ChatSettingsFragment.java com/ifriend/presentation/features/chatstore/ui/ChatsStoreFragment.java com/ifriend/presentation/features/purchases/billing/delegate/BillingPurchaseDelegateImpl.java com/ifriend/presentation/features/purchases/chatsubscription/common/mappers/SubscriptionBenefitsMapper.java com/ifriend/presentation/features/purchases/premium/viewmodel/BuyPremiumViewModel.java com/ifriend/presentation/navigation/navflow/NavHostFlowFragment.java com/ifriend/push_notification/PushConstant.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/ifriend/registration/presentation/ui/email/resetPasswo rd/ResetPasswordFragmentKt.java com/ifriend/ui/base/ChangeNetworkStateBugPermission.jav a com/ifriend/ui/base/modalMessage/ChooseVoicePopupDele gate.java com/ifriend/ui/base/modalMessage/GeneratingAnimatedAv atarPopupDelegate.java com/ifriend/ui/base/modalMessage/RateAppPopupDelegate .java com/ifriend/ui/base/modalMessage/RequestSextingPopupD elegate.java com/ifriend/ui/base/modalMessage/UpgradeAppPopupDele gate.java io/grpc/internal/DnsNameResolver.java io/grpc/internal/TransportFrameUtil.java io/grpc/netty/shaded/io/netty/handler/codec/http/HttpHead ers.java io/grpc/netty/shaded/io/netty/handler/proxy/Socks4ProxyH andler.java io/grpc/netty/shaded/io/netty/handler/proxy/Socks5ProxyH andler.java io/grpc/netty/shaded/io/netty/handler/ssl/PemPrivateKey.ja va io/grpc/netty/shaded/io/netty/handler/ssl/SslMasterKeyHan dler.java io/opencensus/metrics/AutoValue_LabelKey.java io/opencensus/tags/AutoValue_Tag.java io/opencensus/trace/AutoValue_Tracestate_Entry.java org/conscrypt/OpenSSLECKeyFactory.java org/conscrypt/OpenSSLRSAKeyFactory.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
3	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	com/ifriend/app/di/modules/data/ApiModule.java com/ifriend/app/di/modules/data/datadog/DataDogModule.java io/grpc/netty/shaded/io/netty/handler/ssl/JdkSslClientContext.java io/grpc/netty/shaded/io/netty/handler/ssl/JdkSslServerContext.java io/grpc/netty/shaded/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java io/grpc/netty/shaded/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java io/grpc/netty/shaded/io/netty/handler/ssl/SslContext.java io/grpc/netty/shaded/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java io/grpc/okhttp/OkHttpChannelBuilder.java org/conscrypt/Conscrypt.java org/conscrypt/DefaultSSLContextImpl.java org/conscrypt/Platform.java org/conscrypt/SSLParametersImpl.java
4	Insecure Implementation of SSL. Trusting all the certificates or accepting self signed certificates is a critical Security Hole. This application is vulnerable to MITM attacks	high	CWE: CWE-295: Improper Certificate Validation OWASP Top 10: M3: Insecure Communication OWASP MASVS: MSTG-NETWORK-3	org/conscrypt/Conscrypt.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
5	The App uses an insecure Random Number Generator.	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	com/ifriend/domain/newChat/chat/models/MessageTag.java io/grpc/internal/DnsNameResolver.java io/grpc/internal/ExponentialBackoffPolicy.java io/grpc/internal/RetriableStream.java io/grpc/netty/shaded/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java io/grpc/netty/shaded/io/netty/util/internal/PlatformDependent.java io/grpc/netty/shaded/io/netty/util/internal/ThreadLocalRandom.java io/grpc/okhttp/OkHttpClientTransport.java io/grpc/util/RoundRobinLoadBalancer.java io/opencensus/trace/SpanId.java io/opencensus/trace/TraceId.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
6	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	io/grpc/netty/shaded/io/netty/channel/epoll/LinuxSocket.java io/grpc/netty/shaded/io/netty/handler/codec/http2/HttpConversionUtil.java io/grpc/netty/shaded/io/netty/handler/codec/socksx/v4/Socks4ServerDecoder.java io/grpc/netty/shaded/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java io/grpc/netty/shaded/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java org/conscrypt/CertificatePriorityComparator.java org/conscrypt/ChainStrengthAnalyzer.java org/conscrypt/EvpMdRef.java org/conscrypt/OAEPParameters.java org/conscrypt/OidData.java org/conscrypt/OpenSSLCipherRSA.java org/conscrypt/OpenSSLECGroupContext.java org/conscrypt/OpenSSLProvider.java org/conscrypt/OpenSSLSignature.java org/conscrypt/TrustManagerImpl.java org/conscrypt/ct/CTConstants.java
7	App creates temp file. Sensitive information should never be written into a temp file.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	coil/decode/SourceImageSource.java io/grpc/netty/shaded/io/netty/handler/codec/http/multipart/AbstractDiskHttpData.java io/grpc/netty/shaded/io/netty/handler/ssl/util/SelfSignedCertificate.java io/grpc/netty/shaded/io/netty/util/internal/NativeLibraryLoader.java org/conscrypt/NativeLibraryLoader.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
8	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	com/airbnb/lottie/network/NetworkCache.java com/appsflyer/internal/ag.java io/grpc/netty/shaded/io/netty/handler/codec/http/websocketx/WebSocketUtil.java io/grpc/okhttp/internal/Util.java
9	App can read/write to External Storage. Any App can read data written to External Storage.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/ifriend/chat/presentation/utils/ScreenshotDetectionDelegate.java io/sentry/android/core/DefaultAndroidEventProcessor.java
10	This App may have root detection capabilities.	secure	OWASP MASVS: MSTG-RESILIENCE-1	io/sentry/android/core/DefaultAndroidEventProcessor.java io/sentry/android/core/internal/util/RootChecker.java
11	This App may request root (Super User) privileges.	warning	CWE: CWE-250: Execution with Unnecessary Privileges OWASP MASVS: MSTG-RESILIENCE-1	io/sentry/android/core/internal/util/RootChecker.java
12	SHA-1 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	io/grpc/netty/shaded/io/netty/handler/codec/http/websocketx/WebSocketUtil.java io/grpc/netty/shaded/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java

🏴 SHARED LIBRARY BINARY ANALYSIS

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
1	lib/x86/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
2	lib/x86/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
3	lib/x86/libimage_processing_util_jni.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
4	lib/x86/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
5	lib/armeabi/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
6	lib/x86_64/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
7	lib/x86_64/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__vsnprintf_chk']	True info Symbols are stripped.

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

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
9	lib/x86_64/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__memcpy_chk', '__strlen_chk', '__read_chk', '__vsnprintf_chk', '__memmove_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
10	lib/armeabi-v7a/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
11	lib/armeabi-v7a/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
12	lib/armeabi-v7a/libimage_processing_util_jni.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
13	lib/armeabi-v7a/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
14	lib/arm64-v8a/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
15	lib/arm64-v8a/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__vsnprintf_chk']	True info Symbols are stripped.

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

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
17	lib/arm64-v8a/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__memmove_chk', '__memcpy_chk', '__vsnprintf_chk', '__read_chk', '__strlen_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
18	lib/x86/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
19	lib/x86/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
20	lib/x86/libimage_processing_util_jni.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
21	lib/x86/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
22	lib/armeabi/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
23	lib/x86_64/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
24	lib/x86_64/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__vsnprintf_chk']	True info Symbols are stripped.

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

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
26	lib/x86_64/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__memcpy_chk', '__strlen_chk', '__read_chk', '__vsnprintf_chk', '__memmove_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
27	lib/armeabi-v7a/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
28	lib/armeabi-v7a/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
29	lib/armeabi-v7a/libimage_processing_util_jni.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
30	lib/armeabi-v7a/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
31	lib/arm64-v8a/libconceal.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
32	lib/arm64-v8a/libsentry-android.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__vsnprintf_chk']	True info Symbols are stripped.

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

NO	SHARED OBJECT	NX	STACK CANARY	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
34	lib/arm64-v8a/libsentry.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	True info This binary has a stack canary value added to the stack so that it will be overwritten 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 binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['__memmove_chk', '__memcpy_chk', '__vsnprintf_chk', '__read_chk', '__strlen_chk']	True info Symbols are stripped.

🪪 NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION

❗ OFAC SANCTIONED COUNTRIES

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

DOMAIN	COUNTRY/REGION

⚲ DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
smonitorsdk.s	ok	No Geolocation information available.
ssdk-services.s	ok	No Geolocation information available.
www.evaapp.ai	ok	No Geolocation information available.
www.eclipse.org	ok	No Geolocation information available.
sdlsdk.s	ok	No Geolocation information available.
github.com	ok	No Geolocation information available.
sgcdsdk.s	ok	No Geolocation information available.
sattr.s	ok	No Geolocation information available.
wiki.eclipse.org	ok	No Geolocation information available.
sadrevenue.s	ok	No Geolocation information available.
drive.google.com	ok	No Geolocation information available.
api.ifriend.ai	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
www.google.com	ok	No Geolocation information available.
sinapps.s	ok	No Geolocation information available.
www.openssl.org	ok	No Geolocation information available.
slaunches.s	ok	No Geolocation information available.
svalidate.s	ok	No Geolocation information available.
resources.lovinga.com	ok	No Geolocation information available.
sapp.s	ok	No Geolocation information available.
sars.s	ok	No Geolocation information available.
sconversions.s	ok	No Geolocation information available.
simpression.s	ok	No Geolocation information available.
play.google.com	ok	No Geolocation information available.
sregister.s	ok	No Geolocation information available.
tools.ietf.org	ok	No Geolocation information available.
cdn-settings.appsflyersdk.com	ok	No Geolocation information available.
cdn-testsettings.appsflyersdk.com	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
netty.io	ok	No Geolocation information available.
sstats.s	ok	No Geolocation information available.
sonelink.s	ok	No Geolocation information available.
http-intake.logs.datadoghq.com	ok	No Geolocation information available.

🕵 TRACKERS

TRACKER	CATEGORIES	URL
AppsFlyer	Analytics	https://reports.exodus-privacy.eu.org/trackers/12
Facebook Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/66
Facebook Login	Identification	https://reports.exodus-privacy.eu.org/trackers/67
Facebook Share		https://reports.exodus-privacy.eu.org/trackers/70
Google CrashLytics	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/27
Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
OpenTelemetry (OpenCensus, OpenTracing)	Analytics	https://reports.exodus-privacy.eu.org/trackers/412

🔑 HARDCODED SECRETS

POSSIBLE SECRETS
"google_api_key" : "AIzaSyBvbDvA3CgaFc7E-RDl5BhDGkFdI4uu4IQ"
"com_facebook_device_auth_instructions" : "facebook.com/device􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀􀀀"
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POSSIBLE SECRETS

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POSSIBLE SECRETS

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Report Generated by - MobSF v3.7.9 Beta

Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.