

## ANDROID STATIC ANALYSIS REPORT



Curaleaf (1.0.26)

File Name:	com.curaleaf.retail_10000262.apk
Package Name:	com.curaleaf.retail
Scan Date:	Aug. 29, 2025, 9:28 p.m.
App Security Score:	53/100 (MEDIUM RISK)
Grade:	
Trackers Detection:	2/432

## FINDINGS SEVERITY

<b>≟</b> HIGH	▲ MEDIUM	i INFO	✓ SECURE	<b>®</b> HOTSPOT
0	17	4	1	2

#### FILE INFORMATION

**File Name:** com.curaleaf.retail\_10000262.apk

Size: 44.74MB

MD5: 64d4722b7284db77ef30753fa4aa5ddc

**SHA1**: 42fec9734c4103be620daa2c252b6532a5896e0a

**SHA256:** c25affdf95af8712bebf3637c850d6973969174deabf62002b20b1a7ae5b971f

## **i** APP INFORMATION

App Name: Curaleaf

Package Name: com.curaleaf.retail

Main Activity: com.curaleaf.retail.MainActivity

Target SDK: 34 Min SDK: 26 Max SDK:

**Android Version Name:** 1.0.26

**Android Version Code:** 10000262

#### **APP COMPONENTS**

Activities: 20 Services: 19 Receivers: 13 Providers: 9

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

### **\*** CERTIFICATE INFORMATION

Binary is signed v1 signature: False 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: 2023-11-30 18:23:24+00:00 Valid To: 2053-11-30 18:23:24+00:00

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

Serial Number: 0x7d0aa5cebb4906a774151902b62c42a88b5f25b0

Hash Algorithm: sha256

md5: 5a4e2be85794f28cda742dcb5d5c277a

sha1: caacf8764a6f1cd978abc5fcfd22330c562032c6

sha256: 29e827e6f7494742b28ed7db963f50475ee2c0645478966c09e3b124376a3057

sha512: 150f9fcc00c1ea5f5d38962d938e943e2fac1ca57bff353d2aaba2f977307de6fd1011317e5df176f23157afe005cb55252f783afb13fdaf004d9aba2a27b95c

PublicKey Algorithm: rsa

Bit Size: 4096

Fingerprint: 41eea3b2eb68dbd7a08c00b1cc3f519b961d87c2476cc3579ed95c3327b092f8

Found 1 unique certificates

## **E** APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.ACCESS_BACKGROUND_LOCATION	dangerous	access location in background	Allows an app to access location in the background.
android.permission.ACCESS_COARSE_LOCATION	dangerous	coarse (network-based) location	Access coarse location sources, such as the mobile network database, to determine an approximate phone location, where available. Malicious applications can use this to determine approximately where you are.
android.permission.ACCESS_FINE_LOCATION	dangerous	fine (GPS) location	Access fine location sources, such as the Global Positioning System on the phone, where available. Malicious applications can use this to determine where you are and may consume additional battery power.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
android.permission.FOREGROUND_SERVICE_LOCATION	normal	allows foreground services with location use.	Allows a regular application to use Service.startForeground with the type "location".
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.READ_MEDIA_IMAGES danger		allows reading image files from external storage.	Allows an application to read image files from external storage.
android.permission.READ_MEDIA_VIDEO dange		allows reading video files from external storage.	Allows an application to read video files from external storage.
android.permission.READ_MEDIA_VISUAL_USER_SELECTED	dangerous	allows reading user- selected image or video files from external storage.	Allows an application to read image or video files from external storage that a user has selected via the permission prompt photo picker. Apps can check this permission to verify that a user has decided to use the photo picker, instead of granting access to READ_MEDIA_IMAGES or READ_MEDIA_VIDEO . It does not prevent apps from accessing the standard photo picker manually. This permission should be requested alongside READ_MEDIA_IMAGES and/or READ_MEDIA_VIDEO , depending on which type of media is desired.
android.permission.RECORD_AUDIO	dangerous	record audio	Allows application to access the audio record path.

PERMISSION	STATUS	INFO	DESCRIPTION
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.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
android.permission.USE_BIOMETRIC	normal	allows use of device- supported biometric modalities.	Allows an app to use device supported biometric modalities.
android.permission.USE_FINGERPRINT	normal	allow use of fingerprint	This constant was deprecated in API level 28. Applications should request USE_BIOMETRIC instead.
android.permission.RECEIVE_BOOT_COMPLETED	normal	automatically start at boot	Allows an application to start itself as soon as the system has finished booting. This can make it take longer to start the phone and allow the application to slow down the overall phone by always running.
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.MODIFY_AUDIO_SETTINGS	normal	change your audio settings	Allows application to modify global audio settings, such as volume and routing.
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.DETECT_SCREEN_CAPTURE	normal	notifies when a screen capture of the app's windows is attempted.	Allows an application to get notified when a screen capture of its windows is attempted.
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.
com.google.android.gms.permission.AD_ID	normal	application shows advertisements	This app uses a Google advertising ID and can possibly serve advertisements.
android.permission.ACCESS_ADSERVICES_ATTRIBUTION	normal	allow applications to access advertising service attribution	This enables the app to retrieve information related to advertising attribution, which can be used for targeted advertising purposes. App can gather data about how users interact with ads, such as clicks or impressions, to measure the effectiveness of advertising campaigns.
android.permission.ACCESS_ADSERVICES_AD_ID	normal	allow app to access the device's advertising ID.	This ID is a unique, user-resettable identifier provided by Google's advertising services, allowing apps to track user behavior for advertising purposes while maintaining user privacy.

PERMISSION STA		INFO	DESCRIPTION
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE		permission defined by google	A custom permission defined by Google.
com.curaleaf.retail.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference
com.google.android.providers.gsf.permission.READ_GSERVICES	unknown	Unknown permission	Unknown permission from android reference
com.google.android.gms.permission.ACTIVITY_RECOGNITION dang		allow application to recognize physical activity	Allows an application to recognize physical activity.
com.sec.android.provider.badge.permission.READ normal		show notification count on app	Show notification count or badge on application launch icon for samsung phones.
com.sec.android.provider.badge.permission.WRITE	normal	show notification count on app	Show notification count or badge on application launch icon for samsung phones.
com.htc.launcher.permission.READ_SETTINGS	normal	show notification count on app	Show notification count or badge on application launch icon for htc phones.
com.htc.launcher.permission.UPDATE_SHORTCUT	normal	show notification count on app	Show notification count or badge on application launch icon for htc phones.
com.sonyericsson.home.permission.BROADCAST_BADGE	normal	show notification count on app	Show notification count or badge on application launch icon for sony phones.

PERMISSION	STATUS	INFO	DESCRIPTION
com.sonymobile.home.permission.PROVIDER_INSERT_BADGE	normal	show notification count on app	Show notification count or badge on application launch icon for sony phones.
com.anddoes.launcher.permission.UPDATE_COUNT	normal	show notification count on app	Show notification count or badge on application launch icon for apex.
com.majeur.launcher.permission.UPDATE_BADGE	normal	show notification count on app	Show notification count or badge on application launch icon for solid.
com.huawei.android.launcher.permission.CHANGE_BADGE	normal	show notification count on app	Show notification count or badge on application launch icon for huawei phones.
com.huawei.android.launcher.permission.READ_SETTINGS	normal	show notification count on app	Show notification count or badge on application launch icon for huawei phones.
com.huawei.android.launcher.permission.WRITE_SETTINGS	normal	show notification count on app	Show notification count or badge on application launch icon for huawei phones.
android.permission.READ_APP_BADGE	normal	show app notification	Allows an application to show app icon badges.
com.oppo.launcher.permission.READ_SETTINGS	normal	show notification count on app	Show notification count or badge on application launch icon for oppo phones.
com.oppo.launcher.permission.WRITE_SETTINGS	normal	show notification count on app	Show notification count or badge on application launch icon for oppo phones.

PERMISSION	STATUS	INFO	DESCRIPTION
me.everything.badger.permission.BADGE_COUNT_READ	unknown	Unknown permission	Unknown permission from android reference
me.everything.badger.permission.BADGE_COUNT_WRITE	unknown	Unknown permission	Unknown permission from android reference

# **M** APKID ANALYSIS

FILE	DETAILS				
	FINDINGS	DETAILS			
classes.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check possible Build.SERIAL check			
	Compiler	r8 without marker (suspicious)			
	FINDINGS	DETAILS			
classes2.dex	Anti-VM Code	Build.MANUFACTURER check			
	Compiler	r8 without marker (suspicious)			
	Compiler  FINDINGS  Anti-VM Code	Build.MANUFACTURER check possible Build.SERIAL check  r8 without marker (suspicious)  DETAILS  Build.MANUFACTURER check			

FILE	DETAILS	
	FINDINGS	DETAILS
classes3.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check possible Build.SERIAL check Build.TAGS check
	Compiler	r8 without marker (suspicious)
	FINDINGS	DETAILS
classes4.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 Build.TAGS check network operator name check
	Anti Debug Code	Debug.isDebuggerConnected() check
	Compiler	r8 without marker (suspicious)
classes5.dex	FINDINGS	DETAILS
Classessiack	Compiler	r8 without marker (suspicious)

FILE
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## **BROWSABLE ACTIVITIES**

ACTIVITY	INTENT
com.curaleaf.retail.MainActivity	Schemes: curaleaf://, com.curaleaf.retail://, exp+curaleaf-app://, https://, Hosts: curaleaf.com, Path Prefixes: /verifyEmail, /resetPassword, /order-confirmation/android,

## **△** NETWORK SECURITY

	NO	SCOPE	SEVERITY	DESCRIPTION	
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### **CERTIFICATE ANALYSIS**

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

# **Q** MANIFEST ANALYSIS

HIGH: 0 | WARNING: 8 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable Android version Android 8.0, minSdk=26]	warning	This application can be installed on an older version of android that has multiple vulnerabilities. Support an Android version => 10, API 29 to receive reasonable security updates.
2	Application Data can be Backed up [android:allowBackup=true]	warning	This flag allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device.
3	Content Provider (expo.modules.clipboard.ClipboardFileProvider) is not Protected. [android:exported=true]	warning	A Content Provider is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
4	TaskAffinity is set for activity (com.braze.push.NotificationTrampolineActivity)	warning	If taskAffinity is set, then other application could read the Intents sent to Activities belonging to another task. Always use the default setting keeping the affinity as the package name in order to prevent sensitive information inside sent or received Intents from being read by another application.

NO	ISSUE	SEVERITY	DESCRIPTION
5	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.
6	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.
7	Service (androidx.work.impl.background.systemjob.SystemJobService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]	warning	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

NO	ISSUE	SEVERITY	DESCRIPTION
8	Broadcast Receiver (androidx.work.impl.diagnostics.DiagnosticsReceiver) is Protected by a permission, but the protection level of the permission should be checked.  Permission: android.permission.DUMP [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

## </> CODE ANALYSIS

HIGH: 0 | WARNING: 7 | INFO: 4 | SECURE: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/braze/support/BrazeLogger.java com/brentvatne/react/ReactVideoView.java com/bumptech/glide/GeneratedAppGlideModulel mpl.java com/bumptech/glide/Glide.java com/bumptech/glide/disklrucache/DiskLruCache.j ava com/bumptech/glide/gifdecoder/GifHeaderParser.j ava com/bumptech/glide/gifdecoder/StandardGifDeco der.java com/bumptech/glide/load/data/AssetPathFetcher.j ava com/bumptech/glide/load/data/HttpUrlFetcher.jav a com/bumptech/glide/load/data/LocalUriFetcher.ja

NO	ISSUE	SEVERITY	STANDARDS	va FJHFSumptech/glide/load/data/mediastore/Thum bFetcher.java
				com/bumptech/glide/load/data/mediastore/Thum bnailStreamOpener.java com/bumptech/glide/load/engine/DecodeJob.java com/bumptech/glide/load/engine/DecodePath.jav a com/bumptech/glide/load/engine/Engine.java com/bumptech/glide/load/engine/GlideException.j ava com/bumptech/glide/load/engine/SourceGenerato r.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/DiskLruC acheWrapper.java com/bumptech/glide/load/engine/cache/MemoryS izeCalculator.java com/bumptech/glide/load/engine/executor/GlideE xecutor.java com/bumptech/glide/load/engine/executor/Runti meCompat.java com/bumptech/glide/load/engine/prefill/BitmapPr eFillRunner.java com/bumptech/glide/load/model/ByteBufferEnco der.java com/bumptech/glide/load/model/ByteBufferFileLo ader.java com/bumptech/glide/load/model/FileLoader.java com/bumptech/glide/load/model/ResourceLoader. java com/bumptech/glide/load/model/ResourceLoader. java com/bumptech/glide/load/model/StreamEncoder.java com/b
				pEncoder.java com/bumptech/glide/load/resource/bitmap/Bitma

ItlmageHeaderParser.java com/bumptech/glide/load/resource/bitma sampler.java com/bumptech/glide/load/resource/bitma ableToBitmapConverter.java com/bumptech/glide/load/resource/bitma wareConfigState.java com/bumptech/glide/load/resource/bitma ormationUtils.java com/bumptech/glide/load/resource/bitma Decoder.java com/bumptech/glide/load/resource/gif/By GifDecoder.java com/bumptech/glide/load/resource/gif/Gi leEncoder.java com/bumptech/glide/load/resource/gif/St Decoder.java com/bumptech/glide/load/resource/gif/St Decoder.java com/bumptech/glide/load/resource/gif/St	np/Draw
yMonitor.java com/bumptech/glide/manager/DefaultCot yMonitorFactory.java com/bumptech/glide/manager/RequestM. agment.java com/bumptech/glide/manager/RequestM. triever.java com/bumptech/glide/manager/RequestTr a com/bumptech/glide/manager/SupportRe nagerFragment.java com/bumptech/glide/module/ManifestPat com/bumptech/glide/request/SingleReque com/bumptech/glide/request/Larget/Cust arget.java com/bumptech/glide/request/target/View va com/bumptech/glide/request/target/View va com/bumptech/glide/signature/Applicatio Signature.java com/bumptech/glide/signature/Applicatio	reamGif nnectivit nnectivit anagerFr anagerRe acker.jav questMa reser.java est.java omViewT

NO	ISSUE	SEVERITY	STANDARDS	com/bumptech/glide/util/pool/FactoryPools.java FILES com/henninghall/date_picker/DerivedData.java com/henninghall/date_picker/pickers/AndroidNati
				ve.java com/horcrux/svg/Brush.java com/horcrux/svg/ClipPathView.java com/horcrux/svg/ImageView.java com/horcrux/svg/ImageView.java com/horcrux/svg/PatternView.java com/horcrux/svg/RadialGradientView.java com/horcrux/svg/RadialGradientView.java com/horcrux/svg/VirtualView.java com/horcrux/svg/VirtualView.java com/oblador/keychain/KeychainModule.java com/oblador/keychain/cipherStorage/CipherStora geBase.java com/oblador/keychain/cipherStorage/CipherStora geFacebookConceal.java com/oblador/keychain/cipherStorage/CipherStora geKeystoreAesCbc.java com/oblador/keychain/cipherStorage/CipherStora geKeystoreRsaEcb.java com/oblador/keychain/decryptionHandler/Decrypt ionResultHandlerInteractiveBiometric.java com/oblador/keychain/decryptionHandler/Decrypt ionResultHandlerInteractiveBiometricManualRetry. java com/reactnativecommunity/asyncstorage/AsyncLo calStorageUtil.java com/reactnativecommunity/asyncstorage/AsyncSt orageExpoMigration.java com/reactnativecommunity/asyncstorage/ReactDa tabaseSupplier.java com/reactnativecommunity/webview/RNCWebVie w.java com/reactnativecommunity/webview/RNCWebVie w.java com/reactnativecommunity/webview/RNCWebVie wClient.java

NO	ISSUE	SEVERITY	STANDARDS	dListener.java FILES com/rnmaps/maps/FileUtil.java com/rnmaps/maps/MapGradientPolyline.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/rnmaps/maps/MapModule.java com/rnmaps/maps/MapTileProvider.java com/rnmaps/maps/MapUrlTile.java com/rnmaps/maps/MapUrlTile.java com/swmansion/gesturehandler/react/RNGesture HandlerModule.java com/swmansion/gesturehandler/react/RNGesture HandlerRootHelper.java com/swmansion/gesturehandler/react/RNGesture HandlerRootView.java com/swmansion/reanimated/NativeMethodsHelpe r.java com/swmansion/reanimated/ReanimatedModule.j ava com/swmansion/reanimated/ReanimatedUlManag erFactory.java com/swmansion/reanimated/layoutReanimation/A nimationsManager.java com/swmansion/reanimated/layoutReanimation/R eanimatedNativeHierarchyManager.java com/swmansion/reanimated/layoutReanimation/S haredTransitionManager.java com/swmansion/reanimated/layoutReanimation/S haredTransitionManager.java com/swmansion/reanimated/sensor/ReanimatedS ensorContainer.java com/swmansion/rnscreens/ScreenStackHeaderCo nfigViewManager.java com/swmansion/rnscreens/ScreenStackHeaderCo nfigViewManager.java com/th3rdwave/safeareacontext/SafeAreaView.jav a expo/modules/ExpoModulesPackage.java expo/modules/adapters/react/services/UlManager ModuleWrapper.java expo/modules/apploader/AppLoaderProvider.java expo/modules/constants/ConstantsService.java expo/modules/constants/ConstantsService.java expo/modules/constants/ExponentInstallationId.ja

		nstallationIDHelper.java expo/modules/devlauncher/launcher/configurator s/DevLauncherExpoActivityConfigurator.java expo/modules/devmenu/devtools/DevMenuDevT oolsDelegate\$openJSInspector\$1\$1.java expo/modules/devmenu/extensions/DevMenuExt ension.java
		expo/modules/devmenu/react/DevMenuPackager CommandHandlersSwapper\$swapCurrentComma ndHandlers\$1.java expo/modules/devmenu/react/DevMenuPackager CommandHandlersSwapper.java expo/modules/devmenu/react/DevMenuShakeDet ectorListenerSwapper.java expo/modules/devmenu/websockets/DevMenuCo mmandHandlersProvider.java expo/modules/filesystem/FileSystemModule\$defi nition\$1\$17\$1\$1.java expo/modules/filesystem/FileSystemModule\$defi nition\$1\$18\$1.java expo/modules/filesystem/FileSystemModule\$defi nition\$1\$19\$4.java expo/modules/filesystem/FileSystemModule\$dow nloadResumableTask\$2.java expo/modules/filesystem/FileSystemModule.java expo/modules/location/LocationModule.java expo/modules/location/records/GeocodeResponse .java expo/modules/location/taskConsumers/Geofencin gTaskConsumer.java expo/modules/location/taskConsumers/LocationT askConsumer.java expo/modules/notifications/badge/BadgeHelper.ja
		va expo/modules/notifications/notifications/Argumen tsNotificationContentBuilder.java expo/modules/notifications/notifications/JSONNoti ficationContentBuilder.java

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NO	ISSUE	SEVERITY	STANDARDS	nd/BackgroundRemoteNotificationTaskConsumer.j ava
İ				expo/modules/notifications/notifications/presenta
I	1			tion/ExpoNotificationPresentationEffectsManager.j
ļ	1			ava
I	1			expo/modules/notifications/notifications/presenta
I	1			tion/builders/CategoryAwareNotificationBuilder.ja
I	1			va
I	1			expo/modules/notifications/notifications/presenta
I	I			tion/builders/ChannelAwareNotificationBuilder.jav
I	1			a
I	1			expo/modules/notifications/notifications/presenta
I	1			tion/builders/ExpoNotificationBuilder.java
I	1			expo/modules/notifications/serverregistration/Inst
I	1			allationId.java
I	1			expo/modules/notifications/service/NotificationsS
I	I			ervice.java
I	1			expo/modules/notifications/service/delegates/Exp
I	1			oHandlingDelegate.java
I	1			expo/modules/notifications/service/delegates/Exp
I	1			oNotificationLifecycleListener.java
J	I			
I	I			expo/modules/notifications/service/delegates/Exp
I	1			oPresentationDelegate.java
I	1			expo/modules/notifications/service/delegates/Exp
I	1			oSchedulingDelegate.java
I	I			expo/modules/splashscreen/singletons/SplashScre
I	1			en.java
J	1			expo/modules/systemui/singletons/SystemUI.java
I	I			expo/modules/updates/DisabledUpdatesControlle
I	1			r.java
J	I			expo/modules/updates/EnabledUpdatesController.
J	I			java
J	I			expo/modules/updates/UpdatesModule\$definition
I	I			\$1\$4\$1.java
J	I			expo/modules/updates/UpdatesPackage.java
I	1			expo/modules/updates/UpdatesUtils.java
I	1			expo/modules/updates/codesigning/CodeSigningC
J	I			onfiguration.java
ļ	I			expo/modules/updates/db/Converters.java
ļ	I			expo/modules/updates/db/DatabaseHolder.java
I	ı			, , , , , , , , , , , , , , , , , , ,

				expo/modules/updates/db/keaper.java
NO	ISSUE	SEVERITY	STANDARDS	FXPE/5nodules/updates/errorrecovery/ErrorRecovery.java
				expo/modules/updates/launcher/NoDatabaseLaun
				cher.java
				expo/modules/updates/loader/FileDownloader.jav
				a
				expo/modules/updates/loader/Loader.java
				expo/modules/updates/loader/LoaderFiles.java
				expo/modules/updates/loader/LoaderTask\$launch
				RemoteUpdateInBackground\$1\$1.java
				expo/modules/updates/loader/LoaderTask.java
				expo/modules/updates/loader/RemoteLoader.java
				expo/modules/updates/manifest/BareUpdateMani
				fest.java
				expo/modules/updates/manifest/EmbeddedManif
				est.java
				expo/modules/updates/manifest/LegacyUpdateMa
				nifest.java
				expo/modules/updates/manifest/ManifestMetadat
				a.java
				expo/modules/updates/manifest/NewUpdateMani fest.java
				expo/modules/updates/manifest/ResponseHeader
				Data.java
				expo/modules/updates/procedures/RelaunchProc
				edure\$run\$1.java
				expo/modules/updates/selectionpolicy/SelectionP
				olicies.java
				io/invertase/firebase/app/ReactNativeFirebaseApp.
				java
				io/invertase/firebase/app/ReactNativeFirebaseApp
				Module.java
				io/invertase/firebase/common/RCTConvertFirebas
				e.java
				io/invertase/firebase/common/ReactNativeFirebas
				eEventEmitter.java
				io/invertase/firebase/common/SharedUtils.java
				io/invertase/firebase/utils/ReactNativeFirebaseUtil
				sModule.java
				io/nlopez/smartlocation/utils/LoggerFactory.java

NO ISSUE SEVERITY STANDARDS	me/leolin/shortcutbadger/ShortcutBadger.java <b>per/fig</b> e4j/android/ApplicationStarter.java net/time4j/base/ResourceLoader.java
	net/time4j/format/expert/ChronoFormatter.java net/time4j/format/expert/CustomizedProcessor.ja va net/time4j/format/expert/DecimalProcessor.java net/time4j/format/expert/FormatStep.java net/time4j/format/expert/FractionProcessor.java net/time4j/format/expert/IgnorableWhitespacePro cessor.java net/time4j/format/expert/Iso8601Format.java net/time4j/format/expert/LocalizedGMTProcessor.java net/time4j/format/expert/LocalizedGMTProcessor.java net/time4j/format/expert/LocalizedGMTProcessor.java net/time4j/format/expert/MultiFormatParser.java net/time4j/format/expert/NumberProcessor.java net/time4j/format/expert/OrdinalProcessor.java net/time4j/format/expert/StyleProcessor.java net/time4j/format/expert/StyleProcessor.java net/time4j/format/expert/TimezoneGenericProces sor.java net/time4j/format/expert/TimezoneIDProcessor.ja va net/time4j/format/expert/TimezoneNameProcesso r.java net/time4j/format/expert/TimezoneOffsetProcesso r.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
2	App can write to App Directory. Sensitive Information should be encrypted.	info	CWE: CWE-276: Incorrect Default Permissions OWASP MASVS: MSTG-STORAGE-14	bo/app/as.java bo/app/ds0.java bo/app/ds0.java bo/app/i80.java bo/app/i80.java bo/app/ie0.java bo/app/kc0.java bo/app/kc0.java bo/app/hq.java bo/app/mq.java bo/app/mt.java bo/app/om.java bo/app/pc.java bo/app/pc.java bo/app/se0.java bo/app/ts0.java bo/app/ts0.java bo/app/ts0.java com/braze/configuration/RuntimeAppConfigurationProvider.java com/braze/managers/BrazeGeofenceManager.java expo/modules/adapters/react/permissions/PermissionsService.java expo/modules/constants/ExponentInstallationId.ja va expo/modules/devlauncher/launcher/DevLauncherRecentlyOpenedAppsRegistry.java expo/modules/notifications/service/delegates/SharedPreferencesNotificationsStore.java
				bo/app/f80.java com/braze/Constants.java com/braze/configuration/BrazeConfig.java com/braze/enums/CardKey.java com/braze/images/DefaultBrazeImageLoader.java com/braze/models/inappmessage/InAppMessage

NO	ISSUE	SEVERITY	STANDARDS	Html.java  Fdht 6 raze/models/outgoing/AttributionData.java  com/braze/push/BrazeNotificationUtils.java
3	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/braze/push/BrazeNotificationUtils.java com/braze/push/BrazePushReceiver.java com/braze/support/StringUtils.java com/braze/ui/contentcards/ContentCardsFragmen t.java com/braze/ui/inappmessage/listeners/DefaultInAp pMessageWebViewClientListener.java com/bumptech/glide/load/Option.java com/bumptech/glide/load/engine/DataCacheKey.j ava com/bumptech/glide/load/engine/EngineResource. java com/bumptech/glide/load/engine/ResourceCacheK ey.java com/bumptech/glide/manager/RequestManagerRe triever.java com/bumptech/glide/manager/RequestManagerRe triever.java com/oblador/keychain/KeychainModule.java expo/modules/adapters/react/NativeModulesProx y.java expo/modules/clipboard/GetImageOptions.java expo/modules/constants/ExponentInstallationId.ja va expo/modules/constants/ExponentInstallationId.ja va expo/modules/location/taskConsumers/LocationT askConsumer.java expo/modules/location/taskConsumers/LocationT askConsumer.java expo/modules/notifications/notifications/Argumen tsNotificationContentBuilder.java expo/modules/notifications/notifications/JSONNoti ficationContentBuilder.java expo/modules/notifications/notifications/backgrou nd/BackgroundRemoteNotificationTaskConsumer.j ava expo/modules/notifications/notifications/channels /serializers/NotificationsChannelGroupSerializer.ja va expo/modules/notificationsChannelGroupSerializer.ja va expo/modules/notifications/notifications/channels

NO	ISSUE	SEVERITY	STANDARDS	/serializers/NotificationsChannelSerializer.java  Exbersionodules/notifications/notifications/presenta  tion/builders/ExpoNotificationBuilder.java
				expo/modules/notifications/permissions/NotificationPermissionsModuleKt.java expo/modules/notifications/serverregistration/InstallationId.java expo/modules/notifications/service/NotificationsService.java expo/modules/notifications/service/delegates/ExpoPresentationDelegate.java expo/modules/notifications/tokens/PushTokenModuleKt.java expo/modules/notifications/tokens/PushTokenModuleKt.java expo/modules/systemui/SystemUIModuleKt.java expo/modules/updates/UpdatesConfiguration.java expo/modules/updates/UpdatesModule.java expo/modules/updates/codesigning/CodeSigningAlgorithmKt.java expo/modules/updates/codesigning/ExpoProjectInformation.java expo/modules/updates/loader/SigningInfo.java expo/modules/updates/loader/SigningInfo.java expo/modules/updates/manifest/ManifestMetadat a.java expo/modules/webbrowser/OpenBrowserOptions .java expo/modules/webbrowser/OpenBrowserModuleK t.java io/invertase/firebase/common/TaskExecutorServic e.java net/time4j/tz/spi/WinZoneProviderSPL.java
4	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	com/reactnativecommunity/webview/RNCWebVie wModuleImpl.java com/rnmaps/maps/FileUtil.java com/rnmaps/maps/MapModule.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
5	This App copies data to clipboard. Sensitive data should not be copied to clipboard as other applications can access it.	info	OWASP MASVS: MSTG-STORAGE-10	expo/modules/clipboard/ClipboardModule.java expo/modules/devmenu/modules/DevMenuIntern alModule.java
6	App uses SQLite Database and execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and written to the database.	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	com/reactnativecommunity/asyncstorage/AsyncLo calStorageUtil.java com/reactnativecommunity/asyncstorage/ReactDa tabaseSupplier.java
7	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/reactnativecommunity/webview/RNCWebVie wModuleImpl.java expo/modules/clipboard/ClipboardFileProvider.jav a io/invertase/firebase/utils/ReactNativeFirebaseUtil sModule.java
8	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	expo/modules/updates/codesigning/CertificateCha in.java expo/modules/updates/codesigning/CertificateCha inKt.java
9	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	bo/app/r20.java com/braze/support/IntentUtils.java expo/modules/updates/UpdatesUtils.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
10	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/braze/support/StringUtils.java expo/modules/filesystem/FileSystemModule.java
11	This app listens to Clipboard changes. Some malware also listen to Clipboard changes.	info	OWASP MASVS: MSTG-PLATFORM-4	expo/modules/clipboard/ClipboardModule.java

## ■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
				5250 1.0.t

## **BEHAVIOUR ANALYSIS**

RULE ID	BEHAVIOUR	LABEL	FILES
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RULE ID	BEHAVIOUR	LABEL	FILES
00036	Get resource file from res/raw directory	reflection	com/braze/push/BrazeNotificationUtils.java com/braze/ui/support/UriUtils.java com/dylanvann/fastimage/FastImageSource.java com/rnmaps/maps/ImageReader.java com/rnmaps/maps/MapMarker.java expo/modules/adapters/react/permissions/PermissionsService.java expo/modules/devmenu/devtools/DevMenuDevToolsDelegate.java expo/modules/filesystem/FileSystemModule.java expo/modules/notifications/service/NotificationsService.java expo/modules/notifications/service/NotificationsService.java expo/modules/updates/UpdatesConfiguration.java io/invertase/firebase/common/SharedUtils.java me/leolin/shortcutbadger/impl/EverythingMeHomeBadger.java me/leolin/shortcutbadger/impl/HuaweiHomeBadger.java me/leolin/shortcutbadger/impl/NovaHomeBadger.java me/leolin/shortcutbadger/impl/OPPOHomeBader.java me/leolin/shortcutbadger/impl/SamsungHomeBadger.java me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00189	Get the content of a SMS message	sms	me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00188	Get the address of a SMS message	sms	me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00011	Query data from URI (SMS, CALLLOGS)	sms calllog collection	me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00191	Get messages in the SMS inbox	sms	me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00200	Query data from the contact list	collection contact	me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00187	Query a URI and check the result	collection sms calllog calendar	me/leolin/shortcutbadger/impl/SamsungHomeBadger.java

RULE ID	BEHAVIOUR	LABEL	FILES
00201	Query data from the call log	collection calllog	me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	com/bumptech/glide/load/data/mediastore/ThumbFetcher.java me/leolin/shortcutbadger/impl/SamsungHomeBadger.java
00022	Open a file from given absolute path of the file	file	bo/app/ea.java bo/app/fa.java bo/app/ko.java bo/app/rb0.java bo/app/ug0.java bo/app/xc.java com/braze/d0.java com/braze/support/BrazeImageUtils.java com/braze/support/WebContentUtils.java expo/modules/filesystem/FileSystemModule.java expo/modules/updates/UpdatesUtils.java io/invertase/firebase/utils/ReactNativeFirebaseUtilsModule.java
00063	Implicit intent(view a web page, make a phone call, etc.)	control	com/braze/Braze.java com/braze/push/BrazeNotificationUtils.java com/braze/ui/inappmessage/views/InAppMessageHtmlBaseView.java com/braze/ui/support/UriUtils.java expo/modules/adapters/react/permissions/PermissionsService.java expo/modules/devmenu/devtools/DevMenuDevToolsDelegate.java expo/modules/filesystem/FileSystemModule.java expo/modules/notifications/service/NotificationsService.java expo/modules/webbrowser/CustomTabsActivitiesHelperKt.java expo/modules/webbrowser/WebBrowserModule.java me/leolin/shortcutbadger/impl/OPPOHomeBader.java me/leolin/shortcutbadger/impl/SonyHomeBadger.java

RULE ID	BEHAVIOUR	LABEL	FILES	
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	expo/modules/adapters/react/permissions/PermissionsService.java expo/modules/webbrowser/CustomTabsActivitiesHelperKt.java expo/modules/webbrowser/WebBrowserModule.java	
00013	Read file and put it into a stream	file	bo/app/pa0.java bo/app/sq.java com/braze/support/BrazeImageUtils.java com/braze/support/WebContentUtils.java com/bumptech/glide/disklrucache/DiskLruCache.java com/bumptech/glide/load/ImageHeaderParserUtils.java com/bumptech/glide/load/model/FileLoader.java com/reactnativecommunity/asyncstorage/AsyncStorageExpoMigration.java com/rnmaps/maps/FileUtil.java com/rnmaps/maps/MapLocalTile.java com/rnmaps/maps/MapTileProvider.java expo/modules/core/logging/PersistentFileLog.java expo/modules/filesystem/FileSystemModule.java expo/modules/updates/UpdatesUtils.java javax/el/FactoryFinder.java okio/Okio_JvmOkioKt.java	
00094	Connect to a URL and read data from it	command network	net/time4j/tz/spi/TimezoneRepositoryProviderSPI.java	
00147	Get the time of current location	collection location	expo/modules/location/LocationHelpers.java	
00009	Put data in cursor to JSON object	file	com/reactnativecommunity/asyncstorage/AsyncLocalStorageUtil.java	
00001	Initialize bitmap object and compress data (e.g. JPEG) into bitmap object	camera	com/rnmaps/maps/lmageUtil.java com/rnmaps/maps/MapTileProvider.java expo/modules/clipboard/ClipboardImageKt.java	

RULE ID	BEHAVIOUR	LABEL	FILES	
00175	Get notification manager and cancel notifications	notification	expo/modules/notifications/badge/BadgeHelper.java expo/modules/notifications/service/delegates/ExpoPresentationDelegate.ja va	
00091	Retrieve data from broadcast	collection	com/braze/push/BrazeNotificationUtils.java com/braze/reactbridge/BrazeReactBridgeImpl.java expo/modules/location/services/LocationTaskService.java expo/modules/notifications/service/NotificationsService.java	
00078	Get the network operator name	collection telephony	bo/app/lq.java	
00014	Read file into a stream and put it into a JSON object	file	expo/modules/updates/UpdatesUtils.java	
00005	Get absolute path of file and put it to JSON object	file	expo/modules/updates/UpdatesUtils.java	
00121	Create a directory	file command	expo/modules/filesystem/FileSystemModule.java	
00024	Write file after Base64 decoding	reflection file	expo/modules/filesystem/FileSystemModule.java	
00125	Check if the given file path exist	file	expo/modules/filesystem/FileSystemModule.java	
00104	Check if the given path is directory	file	expo/modules/filesystem/FileSystemModule.java	
00016	Get location info of the device and put it to JSON object	location collection	com/braze/models/outgoing/BrazeLocation.java	
00089	Connect to a URL and receive input stream from the server	command network	com/bumptech/glide/load/data/HttpUrlFetcher.java	

RULE ID	BEHAVIOUR	LABEL	FILES	
00030	Connect to the remote server through the given URL	network	com/bumptech/glide/load/data/HttpUrlFetcher.java	
00109	Connect to a URL and get the response code	network command	com/bumptech/glide/load/data/HttpUrlFetcher.java	

## FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
Firebase Remote Config disabled	secure	Firebase Remote Config is disabled for https://firebaseremoteconfig.googleapis.com/v1/projects/472903150442/namespaces/firebase:fetch? key=AlzaSyCEkufcBStWlFy3iOL27zMBwSS7yreFeVg. This is indicated by the response: {'state': 'NO_TEMPLATE'}

### **SECOND PERMISSIONS**

TYPE	MATCHES	PERMISSIONS
Malware Permissions	12/25	android.permission.ACCESS_COARSE_LOCATION, android.permission.ACCESS_FINE_LOCATION, android.permission.ACCESS_NETWORK_STATE, android.permission.INTERNET, android.permission.READ_EXTERNAL_STORAGE, android.permission.RECORD_AUDIO, android.permission.SYSTEM_ALERT_WINDOW, android.permission.VIBRATE, android.permission.WRITE_EXTERNAL_STORAGE, android.permission.WAKE_LOCK, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.ACCESS_WIFI_STATE

TYPE	MATCHES	PERMISSIONS
Other Common Permissions	7/44	android.permission.ACCESS_BACKGROUND_LOCATION, android.permission.FOREGROUND_SERVICE, android.permission.MODIFY_AUDIO_SETTINGS, com.google.android.c2dm.permission.RECEIVE, com.google.android.gms.permission.AD_ID, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE, com.google.android.gms.permission.ACTIVITY_RECOGNITION

#### **Malware Permissions:**

Top permissions that are widely abused by known malware.

#### **Other Common Permissions:**

Permissions that are commonly abused by known malware.

## • OFAC SANCTIONED COUNTRIES

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

DOMAIN	COUNTRY/REGION
DOMAIN	COUNTRY/REGION

### **Q** DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
expo.dev	ok	IP: 104.18.4.104 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.risktabsprev10pxrise25pxblueding300ballfordearnwildbox.fairlackverspairjunetechifpickevil	ok	No Geolocation information available.
www.wencodeuricomponent	ok	No Geolocation information available.
www.css	ok	No Geolocation information available.
www.interpretation	ok	No Geolocation information available.
classic-assets.eascdn.net	ok	IP: 104.18.0.204 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
sdk.iad-01.braze.com	ok	IP: 104.18.39.68 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map
www.world	ok	IP: 99.83.155.228 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.years	ok	No Geolocation information available.
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
www.w3.org	ok	IP: 104.18.23.19 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
.css	ok	No Geolocation information available.
docs.swmansion.com	ok	IP: 104.21.27.136 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.braze.com	ok	IP: 104.17.227.60 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
www.hortcut	ok	No Geolocation information available.
www.a	ok	No Geolocation information available.
sondheim.braze.com	ok	IP: 172.64.144.252 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map
www.manifestations	ok	No Geolocation information available.
www.googleorganizationautocompleterequirementsconservative	ok	No Geolocation information available.
www.in	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
exp.host	ok	IP: 34.110.201.56 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.language	ok	No Geolocation information available.
www.recent	ok	No Geolocation information available.
iamcache.braze	ok	No Geolocation information available.
dust.k8s.test-001.d-usw-2.braze.com	ok	No Geolocation information available.
www.icon	ok	No Geolocation information available.
www.c	ok	No Geolocation information available.
www.style	ok	IP: 75.2.38.108 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map
.jpg	ok	No Geolocation information available.
www.text-decoration	ok	No Geolocation information available.



EMAIL	FILE
this@asstringstringmap.keys	expo/modules/updates/manifest/ManifestMetadata.java

## **A** TRACKERS

TRACKER	CATEGORIES	URL
Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
Instabug	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/206

## **▶** HARDCODED SECRETS

### **POSSIBLE SECRETS**

"com\_braze\_api\_key": "b956fc77-5481-49bf-b092-66e4812e48b9"

 $"com\_braze\_fire base\_cloud\_messaging\_sender\_id": "27700740855"$ 

"com\_braze\_image\_is\_read\_tag\_key": "com\_appboy\_image\_is\_read\_tag\_key"

 $"com\_braze\_image\_lru\_cache\_image\_url\_key": "com\_braze\_image\_lru\_cache\_image\_url\_key"$ 

"com\_braze\_image\_resize\_tag\_key": "com\_appboy\_image\_resize\_tag\_key"

"google\_api\_key" : "AlzaSyCEkufcBStWlFy3iOL27zMBwSS7yreFeVg"

"google\_crash\_reporting\_api\_key": "AlzaSyCEkufcBStWlFy3iOL27zMBwSS7yreFeVg"

#### DB7C2ABF62E35E668076BEAD2088

0400FAC9DFCBAC8313BB2139F1BB755FEF65BC391F8B36F8F8EB7371FD558B01006A08A41903350678E58528BEBF8A0BEFF867A7CA36716F7E01F81052

0400D9B67D192E0367C803F39E1A7E82CA14A651350AAE617E8F01CE94335607C304AC29E7DEFBD9CA01F596F927224CDECF6C

3FA8124359F96680B83D1C3EB2C070E5C545C9858D03ECFB744BF8D717717EFC

E95E4A5F737059DC60DFC7AD95B3D8139515620F

0620048D28BCBD03B6249C99182B7C8CD19700C362C46A01

44e91f336617a878939030a5de33f923

2580F63CCFE44138870713B1A92369E33E2135D266DBB372386C400B

74D59FF07F6B413D0EA14B344B20A2DB049B50C3

26DC5C6CE94A4B44F330B5D9BBD77CBF958416295CF7E1CE6BCCDC18FF8C07B6

0370F6E9D04D289C4E89913CE3530BFDE903977D42B146D539BF1BDE4E9C92

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### > PLAYSTORE INFORMATION

Title: Curaleaf

Score: 3.62 Installs: 50,000+ Price: 0 Android Version Support: Category: Medical Play Store URL: com.curaleaf.retail

Developer Details: Curaleaf, Inc, Curaleaf, +Inc, None, https://curaleaf.com, developer@curaleaf.com,

Release Date: Dec 7, 2023 Privacy Policy: Privacy link

### **Description:**

Welcome to the brand new Curaleaf App, where ordering your favorite cannabis is quick, easy, and rewarding. Get the exclusive scoop on new products, find out first about sales and savings, and learn about Curaleaf events happening at dispensaries near you. Download the Curaleaf App to: - Quickly browse and shop any Curaleaf store - Easily place orders for pickup (or delivery, where available) - Find the best deals on your favorite products. - Track your reward points and redemptions from one convenient spot. Everyone deserves access to the highest quality cannabis experience. The Curaleaf App is your portal.

### **≡** SCAN LOGS

Timestamp	Event	Error
2025-08-29 21:28:31	Generating Hashes	ОК

2025-08-29 21:28:32	Extracting APK	ОК
2025-08-29 21:28:32	Unzipping	OK
2025-08-29 21:28:34	Parsing APK with androguard	ОК
2025-08-29 21:28:34	Extracting APK features using aapt/aapt2	ОК
2025-08-29 21:28:35	Getting Hardcoded Certificates/Keystores	ОК
2025-08-29 21:28:37	Parsing AndroidManifest.xml	ОК
2025-08-29 21:28:37	Extracting Manifest Data	ОК
2025-08-29 21:28:37	Manifest Analysis Started	ОК
2025-08-29 21:28:37	Performing Static Analysis on: Curaleaf (com.curaleaf.retail)	ОК
2025-08-29 21:28:38	Fetching Details from Play Store: com.curaleaf.retail	OK
2025-08-29 21:28:39	Checking for Malware Permissions	ОК

2025-08-29 21:28:39	Fetching icon path	ОК
2025-08-29 21:28:39	Library Binary Analysis Started	ОК
2025-08-29 21:28:39	Reading Code Signing Certificate	ОК
2025-08-29 21:28:39	Running APKiD 2.1.5	ОК
2025-08-29 21:28:47	Detecting Trackers	OK
2025-08-29 21:28:53	Decompiling APK to Java with JADX	ОК
2025-08-29 21:29:21	Converting DEX to Smali	ОК
2025-08-29 21:29:21	Code Analysis Started on - java_source	ОК
2025-08-29 21:29:28	Android SBOM Analysis Completed	ОК
2025-08-29 21:29:40	Android SAST Completed	ОК
2025-08-29 21:29:40	Android API Analysis Started	ОК

2025-08-29 21:29:59	Android API Analysis Completed	ОК
2025-08-29 21:29:59	Android Permission Mapping Started	ОК
2025-08-29 21:30:11	Android Permission Mapping Completed	ОК
2025-08-29 21:30:12	Android Behaviour Analysis Started	ОК
2025-08-29 21:30:25	Android Behaviour Analysis Completed	ОК
2025-08-29 21:30:25	Extracting Emails and URLs from Source Code	ОК
2025-08-29 21:30:33	Email and URL Extraction Completed	ОК
2025-08-29 21:30:33	Extracting String data from APK	ОК
2025-08-29 21:30:33	Extracting String data from Code	ОК
2025-08-29 21:30:33	Extracting String values and entropies from Code	ОК
2025-08-29 21:30:39	Performing Malware check on extracted domains	ОК

2025-08-29 21:30:41	Saving to Database	ОК
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### Report Generated by - MobSF v4.4.0

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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