

ANDROID STATIC ANALYSIS REPORT



\$\Pi\$ Samba Bank (1.0.7)

File Name:	Samba Bank.apk
Package Name:	com.mobile.samba
Scan Date:	Nov. 14, 2024, 8:40 p.m.
App Security Score:	55/100 (MEDIUM RISK)
Grade:	
Trackers Detection:	2/432

FINDINGS SEVERITY

≟ HIGH	▲ MEDIUM	i INFO	✓ SECURE	® HOTSPOT
2	17	4	3	2

FILE INFORMATION

File Name: Samba Bank.apk

Size: 46.94MB

MD5: 62bd76d0b299bc15b25ee5a4ebb7f5bd

SHA1: 8c162832d14a1c29f911131952ed64aaef828a7c

SHA256: 8650e18492c8b30e0c3851456c2208f565d6b551fc9750d294f233a0172948a8

i APP INFORMATION

App Name: Samba Bank

Package Name: com.mobile.samba

Main Activity: com.bpc.crossplatform_trading.bpc_trading.MainActivity

Target SDK: 34 Min SDK: 24 Max SDK:

Android Version Name: 1.0.7

APP COMPONENTS

Activities: 13 Services: 15 Receivers: 7 Providers: 10

Exported Activities: 2 Exported Services: 1 Exported Receivers: 3 Exported Providers: 0

***** 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: 2024-06-27 12:47:35+00:00 Valid To: 2054-06-27 12:47:35+00:00

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

Serial Number: 0x923fc375dad62d813fadb395c676dd66b77d7d56

Hash Algorithm: sha256

md5: 8ffc227ba50f06329637e8120aa91a43

sha1: b896430438e52027ec1387161397e23c7555b97f

sha256: 0fd4feaf0fd05656d9e96b62d4fcde1c409b8173b27bddaf5f63450aa018500f

sha512: 8279658edbca4c7097f70b8bb08babd3ded20f995f68acf62b1e7617b69c6cad5e0107652c3954440e713be45c4f09a25dfc69dc67c8a654e4040c38a715a706

PublicKey Algorithm: rsa

Bit Size: 4096

Fingerprint: d720a93288583da21fa14b4f1a0a8294911151f254e312dffcddde7c96b36e9c

Found 1 unique certificates

⋮ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.RECORD_AUDIO	dangerous	record audio	Allows application to access the audio record path.
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.CAMERA	dangerous	take pictures and videos	Allows application to take pictures and videos with the camera. This allows the application to collect images that the camera is seeing at any time.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.READ_CONTACTS	dangerous	read contact data	Allows an application to read all of the contact (address) data stored on your phone. Malicious applications can use this to send your data to other people.
android.permission.WRITE_CONTACTS	dangerous	write contact data	Allows an application to modify the contact (address) data stored on your phone. Malicious applications can use this to erase or modify your contact data.

PERMISSION	STATUS	INFO	DESCRIPTION
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android.permission.GET_ACCOUNTS	dangerous	list accounts	Allows access to the list of accounts in the Accounts Service.
android.permission.BLUETOOTH	normal	create Bluetooth connections	Allows applications to connect to paired bluetooth devices.
android.permission.BLUETOOTH_CONNECT	dangerous	necessary for connecting to paired Bluetooth devices.	Required to be able to connect to paired Bluetooth devices.
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.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.CALL_PHONE	dangerous	directly call phone numbers	Allows the application to call phone numbers without your intervention. Malicious applications may cause unexpected calls on your phone bill. Note that this does not allow the application to call emergency numbers.
android.permission.READ_MEDIA_IMAGES	dangerous	allows reading image files from external storage.	Allows an application to read image files from external storage.
android.permission.READ_MEDIA_VIDEO	dangerous	allows reading video files from external storage.	Allows an application to read video files from external storage.
android.permission.READ_MEDIA_AUDIO	dangerous	allows reading audio files from external storage.	Allows an application to read audio files from external storage.
android.permission.USE_BIOMETRIC	normal	allows use of device-supported biometric modalities.	Allows an app to use device supported biometric modalities.
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.

PERMISSION	STATUS	INFO	DESCRIPTION
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.NFC	normal	control Near-Field Communication	Allows an application to communicate with Near-Field Communication (NFC) tags, cards and readers.
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.WRITE_SETTINGS	dangerous	modify global system settings	Allows an application to modify the system's settings data. Malicious applications can corrupt your system's configuration.
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.
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.

PERMISSION	STATUS	INFO	DESCRIPTION
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.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	normal	permission defined by google	A custom permission defined by Google.
com.mobile.samba.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference

M APKID ANALYSIS

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

FILE	DETAILS	
	FINDINGS	DETAILS
classes2.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check Build.HARDWARE check Build.TAGS check
	Compiler	r8 without marker (suspicious)
	FINDINGS	DETAILS
classes3.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.BOARD check Build.TAGS check possible ro.secure check possible VM check
	Anti Debug Code	Debug.isDebuggerConnected() check
	Compiler	r8 without marker (suspicious)

FILE	DETAILS	
	FINDINGS	DETAILS
	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.BOARD check possible Build.SERIAL check Build.TAGS check possible VM check
classes4.dex	Anti Debug Code	Debug.isDebuggerConnected() check
	Compiler	r8 without marker (suspicious)
classes5.dex	FINDINGS	DETAILS
Cassessiack	Compiler	r8 without marker (suspicious)



ACTIVITY	INTENT
com.bpc.crossplatform_trading.bpc_trading.MainActivity	Schemes: @string/sbp_id://, https://, Hosts: @string/host, qr.nspk.ru,
com.linusu.flutter_web_auth.CallbackActivity	Schemes: appwrite-callback-bpc://,

△ NETWORK SECURITY

CERTIFICATE ANALYSIS

HIGH: 0 | WARNING: 0 | INFO: 1

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

Q MANIFEST ANALYSIS

HIGH: 1 | WARNING: 7 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable upatched Android version Android 7.0, [minSdk=24]	high	This application can be installed on an older version of android that has multiple unfixed vulnerabilities. These devices won't receive reasonable security updates from Google. Support an Android version => 10, API 29 to receive reasonable security updates.
2	Application Data can be Backed up [android:allowBackup] flag is missing.	warning	The flag [android:allowBackup] should be set to false. By default it is set to true and 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	Activity (com.linusu.flutter_web_auth.CallbackActivity) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
4	Activity (com.nateshmbhat.card_scanner.CardScannerCameraActivity) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
5	Broadcast Receiver (io.flutter.plugins.firebase.messaging.FlutterFirebaseMessagingReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.c2dm.permission.SEND [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

NO	ISSUE	SEVERITY	DESCRIPTION
6	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.
7	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.
8	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: 3 | SECURE: 2 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/baseflow/geolocator/GeolocatorLocationSer vice.java com/baseflow/geolocator/GeolocatorPlugin.java com/baseflow/geolocator/LocationServiceHandler Impl.java com/baseflow/geolocator/MethodCallHandlerImp l.java com/baseflow/geolocator/StreamHandlerImpl.jav a com/baseflow/geolocator/StreamHandlerImpl.jav a com/baseflow/geolocator/location/FusedLocation Client.java com/baseflow/geolocator/permission/Permission Manager.java com/baseflow/googleapiavailability/GoogleApiAv ailabilityManager.java com/baseflow/permissionhandler/AppSettingsMa nager.java com/baseflow/permissionhandler/PermissionMa nager.java com/baseflow/permissionhandler/PermissionUtil s.java com/baseflow/permissionhandler/ServiceManage r.java com/baseflow/permissionhandler/ServiceManage r.java com/bpc/cpay/cpay_plugin/CpayPlugin.java com/bpc/crossplatform_trading/bpc_trading/Mai nActivity.java com/csdcorp/speech_to_text/LanguageDetailsChe cker.java com/csdcorp/speech_to_text/SpeechToTextPlugin. java com/incrediblezayed/file_saver/Dialog\$completeF ileOperation\$1.java

NO	ISSUE	SEVERITY	STANDARDS	FILES variation of the saver of
				com/incrediblezayed/file_saver/FileUtils.java
				com/it_nomads/fluttersecurestorage/FlutterSecur
				eStorage.java
				com/it_nomads/fluttersecurestorage/FlutterSecur
				eStoragePlugin.java
				com/it_nomads/fluttersecurestorage/ciphers/Stor
				ageCipher18Implementation.java
				com/journeyapps/barcodescanner/CameraPrevie
				w.java
				com/journeyapps/barcodescanner/CaptureManag
				er.java
				com/journeyapps/barcodescanner/DecoderThrea
				d.java
				com/journeyapps/barcodescanner/camera/AutoF
				ocusManager.java
				com/journeyapps/barcodescanner/camera/Camer
				aConfigurationUtils.java
				com/journeyapps/barcodescanner/camera/Camer
				alnstance.java
				com/journeyapps/barcodescanner/camera/Camer
				aManager.java
				com/journeyapps/barcodescanner/camera/Center
				CropStrategy.java
				com/journeyapps/barcodescanner/camera/FitCen
				terStrategy.java
				com/journeyapps/barcodescanner/camera/Legac
				yPreviewScalingStrategy.java
				com/journeyapps/barcodescanner/camera/Previe
				wScalingStrategy.java
				com/mr/flutter/plugin/filepicker/FilePickerDelegat
				e.java
				com/mr/flutter/plugin/filepicker/FileUtils.java
				com/nateshmbhat/card_scanner/CardScannerCa
				meraActivity.java
				com/nateshmbhat/card_scanner/SingleFrameCar
				dScanner.java
				com/nateshmbhat/card_scanner/logger/LoggerKt.
				java

ISSUE	SEVERITY	STANDARDS	com/pichillilorenzo/flutter_inappwebview_androi d/Util.java com/pichillilorenzo/flutter_inappwebview_androi d/chrome_custom_tabs/ChromeCustomTabsActivi ty.java com/pichillilorenzo/flutter_inappwebview_androi d/chrome_custom_tabs/CustomTabsHelper.java com/pichillilorenzo/flutter_inappwebview_androi d/content_blocker/ContentBlockerHandler.java com/pichillilorenzo/flutter_inappwebview_androi
			com/pichillilorenzo/flutter_inappwebview_androi d/chrome_custom_tabs/ChromeCustomTabsActivi ty.java com/pichillilorenzo/flutter_inappwebview_androi d/chrome_custom_tabs/CustomTabsHelper.java com/pichillilorenzo/flutter_inappwebview_androi d/content_blocker/ContentBlockerHandler.java com/pichillilorenzo/flutter_inappwebview_androi
			d/chrome_custom_tabs/ChromeCustomTabsActivi ty.java com/pichillilorenzo/flutter_inappwebview_androi d/chrome_custom_tabs/CustomTabsHelper.java com/pichillilorenzo/flutter_inappwebview_androi d/content_blocker/ContentBlockerHandler.java com/pichillilorenzo/flutter_inappwebview_androi
			ty.java com/pichillilorenzo/flutter_inappwebview_androi d/chrome_custom_tabs/CustomTabsHelper.java com/pichillilorenzo/flutter_inappwebview_androi d/content_blocker/ContentBlockerHandler.java com/pichillilorenzo/flutter_inappwebview_androi
			com/pichillilorenzo/flutter_inappwebview_androi d/chrome_custom_tabs/CustomTabsHelper.java com/pichillilorenzo/flutter_inappwebview_androi d/content_blocker/ContentBlockerHandler.java com/pichillilorenzo/flutter_inappwebview_androi
			d/chrome_custom_tabs/CustomTabsHelper.java com/pichillilorenzo/flutter_inappwebview_androi d/content_blocker/ContentBlockerHandler.java com/pichillilorenzo/flutter_inappwebview_androi
			com/pichillilorenzo/flutter_inappwebview_androi d/content_blocker/ContentBlockerHandler.java com/pichillilorenzo/flutter_inappwebview_androi
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			com/pichillilorenzo/flutter_inappwebview_androi
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			din ann brouger/la Ann Dressen at this its in-
			d/in_app_browser/lnAppBrowserActivity.java
	()		com/pichillilorenzo/flutter_inappwebview_androi
			d/in_app_browser/InAppBrowserManager.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/service_worker/ServiceWorkerManager.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/types/WebViewAssetLoaderExt.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/JavaScriptBridgeInterface.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/in_app_webview/DisplayListenerProxy
			.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/in_app_webview/FlutterWebView.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/in_app_webview/InAppWebView.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/in_app_webview/InAppWebViewChro
			meClient.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/in_app_webview/InAppWebViewClient
			.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/in_app_webview/InAppWebViewClient
			Compat.java
			com/pichillilorenzo/flutter_inappwebview_androi
			d/webview/in_app_webview/InAppWebViewRend
			erProcessClient.java
			com/pichillilorenzo/flutter_inappwebview_androi

				d/webview/in_app_webview/inputAwareWebview
NO	ISSUE	SEVERITY	STANDARDS	河径S com/pos/sdk/DevicesFactory.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/pos/sdk/emv/CommonTrackData.java com/pos/sdk/emv/EmvTransParam.java com/pos/sdk/pinpad/Pinlnfo.java com/pos/sdk/pinpad/Pinlnfo.java com/pos/util/EmvTlvUtils.java com/ryanheise/just_audio/AudioPlayer.java com/scottyab/rootbeer/RootBeer.java com/scottyab/rootbeer/RootBeer.Native.java com/scottyab/rootbeer/lottleg.java com/scottyab/rootbeer/lottleg.java com/scottyab/rootbeer/lottleg.java com/scottyab/rootbeer/lottleg.java com/scottyab/rootbeer/util/QLog.java com/scottyab/rootbeer/util/QLog.java com/sumsub/idensic/mobile/sdk/plugin/Method CallHandler\$0

				io/flutter/embedding/android/FlutterSurfaceView.
NO	ISSUE	SEVERITY	STANDARDS	JAMAES
				io/flutter/embedding/android/FlutterTextureView.
				java
				io/flutter/embedding/android/FlutterView.java
				io/flutter/embedding/android/KeyboardManager.j
				ava
				io/flutter/embedding/engine/FlutterEngine.java
				io/flutter/embedding/engine/FlutterEngineConnec
				tionRegistry.java
				io/flutter/embedding/engine/FlutterJNI.java
				io/flutter/embedding/engine/dart/DartExecutor.ja
				va
				io/flutter/embedding/engine/dart/DartMessenger.
				java
				io/flutter/embedding/engine/deferredcomponent
				s/PlayStoreDeferredComponentManager.java
				io/flutter/embedding/engine/loader/FlutterLoader
				.java
				io/flutter/embedding/engine/loader/ResourceExtr
				actor.java
				io/flutter/embedding/engine/plugins/shim/ShimP
				luginRegistry.java
				io/flutter/embedding/engine/plugins/shim/ShimR
				egistrar.java
				io/flutter/embedding/engine/plugins/util/Generat
				edPluginRegister.java
				io/flutter/embedding/engine/renderer/FlutterRen
				derer.java
				io/flutter/embedding/engine/systemchannels/Acc
				essibilityChannel.java
				io/flutter/embedding/engine/systemchannels/Def
				erredComponentChannel.java
				io/flutter/embedding/engine/systemchannels/Key
				EventChannel.java
				io/flutter/embedding/engine/systemchannels/Life
				cycleChannel.java
				io/flutter/embedding/engine/systemchannels/Loc
				alizationChannel.java
				io/flutter/embedding/engine/systemchannels/Mo
				useCursorChannel.java
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NO	ISSUE	SEVERITY	STANDARDS	io/flutter/embedding/engine/systemchannels/Nav 居此6 Channel.java
10	19301	SEVERITI	STANDANDS	io/flutter/embedding/engine/systemchannels/Plat
				formChannel.java
				io/flutter/embedding/engine/systemchannels/Plat
				formViewsChannel.java
				io/flutter/embedding/engine/systemchannels/Res
				torationChannel.java
				io/flutter/embedding/engine/systemchannels/Sett
				ingsChannel.java
				io/flutter/embedding/engine/systemchannels/Spe
				IICheckChannel.java
				io/flutter/embedding/engine/systemchannels/Sys
				temChannel.java
				io/flutter/embedding/engine/systemchannels/Tex
				tInputChannel.java
				io/flutter/plugin/common/BasicMessageChannel.j
				ava
				io/flutter/plugin/common/EventChannel.java
				io/flutter/plugin/common/MethodChannel.java
				io/flutter/plugin/editing/InputConnectionAdaptor.j
				ava
				io/flutter/plugin/editing/ListenableEditingState.jav
				a
				io/flutter/plugin/editing/TextEditingDelta.java
				io/flutter/plugin/editing/TextInputPlugin.java
				io/flutter/plugin/platform/ImageReaderPlatformVi
				ewRenderTarget.java
				io/flutter/plugin/platform/PlatformPlugin.java
				io/flutter/plugin/platform/PlatformViewWrapper.j
				ava
				io/flutter/plugin/platform/PlatformViewsControlle
				r.java
				io/flutter/plugin/platform/SingleViewPresentation
				.java
				io/flutter/plugin/platform/SurfaceTexturePlatform
				ViewRenderTarget.java
				io/flutter/plugins/GeneratedPluginRegistrant.java
				io/flutter/plugins/camera/Camera.java
				io/flutter/plugins/camera/CameraCaptureCallback
				.java

NO	ISSUE	SEVERITY	STANDARDS	io/flutter/plugins/camera/VideoRenderer.java FolitiEs er/plugins/firebase/crashlytics/FlutterFireb aseCrashlyticsPlugin.java
				io/flutter/plugins/firebase/messaging/ContextHol der.java io/flutter/plugins/firebase/messaging/FlutterFireb aseMessagingBackgroundExecutor.java io/flutter/plugins/firebase/messaging/FlutterFireb aseMessagingBackgroundService.java io/flutter/plugins/firebase/messaging/FlutterFireb aseMessagingReceiver.java io/flutter/plugins/firebase/messaging/JobIntentSe rvice.java io/flutter/plugins/googlemaps/GoogleMapControl ler.java io/flutter/plugins/googlemaps/TileProviderContro ller.java io/flutter/plugins/imagepicker/FileUtils.java io/flutter/plugins/imagepicker/FileUtils.java io/flutter/plugins/imagepicker/lmageResizer.java io/flutter/plugins/pathprovider/PathProviderPlugi n.java io/flutter/plugins/sharedpreferences/SharedPrefe rencesPlugin.java io/flutter/plugins/videoplayer/VideoPlayerPlugin.java io/flutter/plugins/webviewflutter/DisplayListener Proxy.java io/flutter/plugins/webviewflutter/InstanceManage r.java io/flutter/view/AccessibilityBridge.java io/flutter/view/AccessibilityBridge.java io/flutter/view/FlutterNativeView.java io/flutter/view/FlutterNativeView.java io/noties/markwon/LinkResolverDef.java io/noties/markwon/PrecomputedTextSetterComp at.java io/scer/pdfx/Messages.java org/ejbca/cvc/example/FileHelper.java

NO	ISSUE	SEVERITY	STANDARDS	org/ejbca/cvc/example/GenerateRequest.java file/esbca/cvc/example/Parse.java pt/tribeiro/flutter_plugin_pdf_viewer/FlutterPlugin PdfViewerPlugin.java pushnotification/push_notification/strategy/PushS trategyKt.java timber/log/Timber.java
2	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/crazecoder/openfile/OpenFilePlugin.java com/incrediblezayed/file_saver/Dialog.java com/incrediblezayed/file_saver/FileSaverPlugin.ja va com/incrediblezayed/file_saver/FileUtils.java com/mr/flutter/plugin/filepicker/FilePickerDelegat e.java com/mr/flutter/plugin/filepicker/FileUtils.java com/pichillilorenzo/flutter_inappwebview_androi d/webview/in_app_webview/InAppWebViewChro meClient.java com/sumsub/sentry/android/c.java com/sumsub/sns/internal/camera/photo/present ation/document/SNSPhotoDocumentPickerViewM odel.java com/sumsub/sns/internal/fingerprint/a.java com/sumsub/sns/internal/ml/docdetector/b.java com/sumsub/sns/internal/ml/docdetector/d.java io/flutter/plugins/pathprovider/Messages.java io/flutter/plugins/pathprovider/PathProviderPlugi n.java io/flutter/plugins/share/Share.java ru/surfstudio/android/utilktx/util/FileUtil.java
				co/quis/flutter_contacts/properties/SocialMedia.java com/it_nomads/fluttersecurestorage/ciphers/StorageCipherFactory.java com/pichillilorenzo/flutter_inappwebview_androi d/credential_database/URLCredentialContract.jav com/pichillilorenzo/flutter_inappwebview_androi d/types/ClientCertResponse.java

NO	ISSUE	SEVERITY	STANDARDS	com/pichillilorenzo/flutter_inappwebview_androi Fity56 s/HttpAuthResponse.java com/pichillilorenzo/flutter_inappwebview_androi
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	d/types/URLCredential.java com/sumsub/sns/core/presentation/b.java com/sumsub/sns/core/widget/applicantData/SNS ApplicantDataSelectionCountryFieldView.java com/sumsub/sns/core/widget/autocompletePhon e/PhoneNumberKit.java com/sumsub/sns/core/widget/autocompletePhon e/bottomsheet/SNSPickerDialog.java com/sumsub/sns/internal/camera/photo/present ation/a.java com/sumsub/sns/internal/core/data/model/Agree ment.java com/sumsub/sns/internal/core/data/model/remo te/Metavalue.java com/sumsub/sns/internal/core/data/model/remo te/RemoteConfig.java com/sumsub/sns/internal/core/data/model/remo te/response/ListApplicantsResponse.java com/sumsub/sns/internal/core/data/source/appli cant/remote/l.java com/sumsub/sns/internal/core/domain/e.java com/sumsub/sns/internal/core/presentation/base /adapter/e.java com/sumsub/sns/internal/core/presentation/intr o/c.java com/sumsub/sns/internal/core/presentation/screen/pr eview/ekyc/eid/pin/b.java com/sumsub/sns/ideoident/presentation/SNSVi deoldentFragment.java com/sumsub/sns/videoident/presentation/SNSVi deoldentFragment.java com/tekartik/sqflite/Constant.java io/flutter/embedding/android/FlutterActivityAndF ragmentDelegate.java io/flutter/embedding/android/FlutterActivityLaun

NO	ISSUE	SEVERITY	STANDARDS	chConfigs.java GM:1EG er/embedding/engine/loader/ApplicationIn foLoader.java
				io/flutter/embedding/engine/loader/FlutterLoader .java io/flutter/embedding/engine/systemchannels/Sett ingsChannel.java io/flutter/plugin/editing/SpellCheckPlugin.java io/flutter/plugins/firebase/crashlytics/Constants.ja va io/flutter/plugins/firebase/messaging/FlutterFireb aseMessagingBackgroundExecutor.java io/flutter/plugins/firebase/messaging/FlutterFireb aseMessagingUtils.java io/flutter/plugins/imagepicker/ImagePickerCache.j ava io/noties/markwon/html/CssProperty.java io/noties/markwon/html/jsoup/nodes/Document Type.java io/reactivex/internal/schedulers/SchedulerPoolFa ctory.java org/jmrtd/lds/PACEDomainParameterInfo.java org/jmrtd/lprotocol/FACTAResult.java
4	This App may request root (Super User) privileges.	warning	CWE: CWE-250: Execution with Unnecessary Privileges OWASP MASVS: MSTG-RESILIENCE-1	com/scottyab/rootbeer/Const.java com/sumsub/sentry/android/h.java com/sumsub/sns/internal/core/common/j0.java
5	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/journeyapps/barcodescanner/CaptureManag er.java com/mr/flutter/plugin/filepicker/FileUtils.java com/pichillilorenzo/flutter_inappwebview_androi d/webview/in_app_webview/InAppWebViewChro meClient.java com/sumsub/sns/internal/core/common/i.java com/sumsub/sns/internal/core/common/m0.java io/flutter/plugins/camera/Camera.java pt/tribeiro/flutter_plugin_pdf_viewer/FlutterPlugin PdfViewerPlugin.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
6	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	io/flutter/plugin/editing/InputConnectionAdaptor.j ava io/flutter/plugin/platform/PlatformPlugin.java ru/surfstudio/android/utilktx/ktx/ui/view/TextVie wExtensionsKt.java
7	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	com/sumsub/sns/internal/ff/a.java org/ejbca/cvc/CVCObjectIdentifiers.java org/jmrtd/lds/ActiveAuthenticationInfo.java org/jmrtd/lds/CardSecurityFile.java org/jmrtd/lds/SODFile.java org/jmrtd/lds/SecurityInfo.java org/jmrtd/lds/SignedDataUtil.java
8	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	dev/fluttercommunity/plus/packageinfo/Packagel nfoPlugin.java org/jmrtd/protocol/EACCAProtocol.java org/jmrtd/protocol/EACTAProtocol.java
9	App can write to App Directory. Sensitive Information should be encrypted.	info	CWE: CWE-276: Incorrect Default Permissions OWASP MASVS: MSTG-STORAGE-14	ru/surfstudio/android/notification/ui/notification/ NotificationGroupHelper.java
10	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	com/sumsub/sns/internal/core/a.java com/sumsub/sns/internal/core/common/q0.java
11	This App may have root detection capabilities.	secure	OWASP MASVS: MSTG-RESILIENCE-1	com/scottyab/rootbeer/RootBeer.java com/sumsub/sentry/android/h.java com/sumsub/sns/internal/core/common/j0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
12	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/annimon/stream/RandomCompat.java com/ryanheise/just_audio/AudioPlayer.java com/sumsub/sns/internal/log/utils/a.java org/jmrtd/lds/CBEFFDataGroup.java org/jmrtd/protocol/BACProtocol.java org/jmrtd/protocol/PACEProtocol.java
13	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/pichillilorenzo/flutter_inappwebview_androi d/credential_database/CredentialDatabaseHelper.j ava com/tekartik/sqflite/Database.java
14	The App uses the encryption mode CBC with PKCS5/PKCS7 padding. This configuration is vulnerable to padding oracle attacks.	high	CWE: CWE-649: Reliance on Obfuscation or Encryption of Security-Relevant Inputs without Integrity Checking OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-3	com/it_nomads/fluttersecurestorage/ciphers/Stor ageCipher18Implementation.java

■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION



RULE ID	BEHAVIOUR	LABEL	FILES
00063	Implicit intent(view a web page, make a phone call, etc.)	control	com/baseflow/geolocator/utils/Utils.java com/baseflow/permissionhandler/AppSettingsManager.java com/baseflow/permissionhandler/PermissionManager.java com/baseflow/permissionhandler/ServiceManager.java com/baseflow/permissionhandler/ServiceManager.java com/mr/flutter/plugin/filepicker/FilePickerDelegate.java com/pichillilorenzo/flutter_inappwebview_android/chrome_custom_tabs/ChromeCust omTabsActivity.java com/pichillilorenzo/flutter_inappwebview_android/chrome_custom_tabs/ChromeCust omTabsChannelDelegate.java com/pichillilorenzo/flutter_inappwebview_android/chrome_custom_tabs/CustomTabs Helper.java com/pichillilorenzo/flutter_inappwebview_android/chrome_custom_tabs/TrustedWeb Activity.java com/pichillilorenzo/flutter_inappwebview_android/in_app_browser/InAppBrowserMa nager.java com/sumsub/sns/internal/core/common/i.java com/sumsub/sns/internal/core/common/r.java com/sumsub/sns/presentation/screen/SNSAppActivity.java com/yanisalfian/flutterphonedirectcaller/FlutterPhoneDirectCallerHandler.java io/flutter/plugins/firebase/dynamiclinks/FlutterFirebaseDynamicLinksPlugin.java io/flutter/plugins/imagepicker/ImagePickerDelegate.java io/flutter/plugins/urllauncher/UrlLauncher.java io/noties/markwon/LinkResolverDef.java
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	com/baseflow/geolocator/utils/Utils.java com/baseflow/permissionhandler/AppSettingsManager.java com/baseflow/permissionhandler/PermissionManager.java com/baseflow/permissionhandler/ServiceManager.java com/pichillilorenzo/flutter_inappwebview_android/in_app_browser/InAppBrowserMa nager.java com/sumsub/sns/internal/core/common/i.java com/sumsub/sns/presentation/screen/SNSAppActivity.java com/yanisalfian/flutterphonedirectcaller/FlutterPhoneDirectCallerHandler.java io/flutter/plugins/urllauncher/UrlLauncher.java

RULE ID	BEHAVIOUR	LABEL	FILES
00036	Get resource file from res/raw directory	reflection	com/baseflow/geolocator/utils/Utils.java com/baseflow/permissionhandler/AppSettingsManager.java com/baseflow/permissionhandler/PermissionManager.java com/pichillilorenzo/flutter_inappwebview_android/chrome_custom_tabs/CustomTabs Helper.java com/sumsub/sns/internal/core/common/i.java io/flutter/plugins/imagepicker/ImagePickerDelegate.java io/flutter/plugins/urllauncher/UrlLauncher.java io/noties/markwon/LinkResolverDef.java
00092	Send broadcast	command	com/sumsub/sns/core/SNSMobileSDK.java
00161	Perform accessibility service action on accessibility node info	accessibility service	io/flutter/view/AccessibilityBridge.java io/flutter/view/AccessibilityViewEmbedder.java
00173	Get bounds in screen of an AccessibilityNodeInfo and perform action	accessibility service	io/flutter/view/AccessibilityViewEmbedder.java

RULE ID	BEHAVIOUR	LABEL	FILES
00022	Open a file from given absolute path of the file	file	com/fluttercandies/image_editor/ImageEditorPlugin.java com/incrediblezayed/file_saver/FileSaverPlugin.java com/journeyapps/barcodescanner/CaptureManager.java com/journeyapps/barcodescanner/CaptureManager.java com/sumsub/sentry/android/c.java com/sumsub/sns/camera/video/presentation/a.java com/sumsub/sns/internal/camera/photo/presentation/document/SNSPhotoDocumen tPickerViewModel.java com/sumsub/sns/internal/camera/video/presentation/SNSVideoSelfieViewModel.java com/sumsub/sns/internal/core/common/m0.java com/sumsub/sns/internal/core/data/model/n.java com/sumsub/sns/internal/fingerprint/a.java com/sumsub/sns/internal/fingerprint/a.java com/sumsub/sns/internal/ml/docdetector/b.java com/sumsub/sns/internal/ml/docdetector/d.java com/sumsub/sns/internal/presentation/screen/preview/photo/SNSPreviewPhotoDocu mentViewModel.java com/sumsub/sns/internal/presentation/screen/preview/selfie/a.java com/sumsub/sns/internal/presentation/screen/preview/selfie/a.java com/sumsub/sns/internal/videoident/presentation/h.java com/sumsub/sns/internal/videoident/presentation/h.java com/sumsub/sns/internal/videoident/presentation/h.java com/sumsub/sns/internal/videoident/presentation/h.java io/flutter/embedding/engine/deferredcomponents/PlayStoreDeferredComponentMan ager.java io/flutter/plugins/camera/Camera.java io/flutter/plugins/camera/Camera.java io/flutter/plugins/camera/ImageSaver.java io/flutter/plugins/camera/ImageSaver.java org/tensorflow/lite/Interpreter.java org/tensorflow/lite/Interpreter.java org/tensorflow/lite/Interpreterlmpl.java pt/tribeiro/flutter_plugin_pdf_viewer/FlutterPluginPdfViewerPlugin.java

RULE ID	BEHAVIOUR	LABEL	FILES
00013	Read file and put it into a stream	file	com/fluttercandies/image_editor/common/font/FontUtils.java com/jaredrummler/truetypeparser/FontFileReader.java com/jaredrummler/truetypeparser/TTFFile.java com/mr/flutter/plugin/filepicker/FileUtils.java com/pichillilorenzo/flutter_inappwebview_android/Util.java com/sumsub/sns/internal/core/data/source/applicant/remote/utils/a.java com/sumsub/sns/internal/log/utils/a.java com/sumsub/sns/internal/ml/core/a.java com/sumsub/sns/internal/ml/docdetector/d.java io/flutter/plugins/share/Share.java okio/OkiolymOkioKt.java org/ejbca/cvc/example/FileHelper.java
00112	Get the date of the calendar event	collection calendar	com/sumsub/sns/core/widget/SNSDateInputLayout.java com/sumsub/sns/core/widget/SNSDateTimeInputLayout.java
00089	Connect to a URL and receive input stream from the server	command network	pushnotification/push_notification/strategy/PushStrategyKt.java
00030	Connect to the remote server through the given URL	network	com/pichillilorenzo/flutter_inappwebview_android/Util.java pushnotification/push_notification/strategy/PushStrategyKt.java
00209	Get pixels from the latest rendered image	collection	io/flutter/embedding/android/FlutterImageView.java
00210	Copy pixels from the latest rendered image into a Bitmap	collection	io/flutter/embedding/android/FlutterImageView.java
00202	Make a phone call	control	com/baseflow/permissionhandler/ServiceManager.java com/yanisalfian/flutterphonedirectcaller/FlutterPhoneDirectCallerHandler.java

RULE ID	BEHAVIOUR	LABEL	FILES
00203	Put a phone number into an intent	control	com/baseflow/permissionhandler/ServiceManager.java com/yanisalfian/flutterphonedirectcaller/FlutterPhoneDirectCallerHandler.java
00189	Get the content of a SMS message	sms	co/quis/flutter_contacts/FlutterContacts.java com/incrediblezayed/file_saver/FileUtils.java com/sumsub/sns/internal/core/common/i.java flutter/plugins/contactsservice/contactsservice/ContactsServicePlugin.java
00126	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	co/quis/flutter_contacts/FlutterContacts.java
00188	Get the address of a SMS message	sms	co/quis/flutter_contacts/FlutterContacts.java com/incrediblezayed/file_saver/FileUtils.java com/sumsub/sns/internal/core/common/i.java flutter/plugins/contactsservice/contactsservice/ContactsServicePlugin.java
00200	Query data from the contact list	collection contact	co/quis/flutter_contacts/FlutterContacts.java com/incrediblezayed/file_saver/FileUtils.java com/sumsub/sns/internal/core/common/i.java flutter/plugins/contactsservice/contactsservice/ContactsServicePlugin.java
00187	Query a URI and check the result	collection sms calllog calendar	co/quis/flutter_contacts/FlutterContacts.java flutter/plugins/contactsservice/contactsservice/ContactsServicePlugin.java
00201	Query data from the call log	collection calllog	co/quis/flutter_contacts/FlutterContacts.java com/incrediblezayed/file_saver/FileUtils.java com/sumsub/sns/internal/core/common/i.java flutter/plugins/contactsservice/contactsservice/ContactsServicePlugin.java
00104	Check if the given path is directory	file	io/flutter/embedding/engine/deferredcomponents/PlayStoreDeferredComponentMan ager.java

RULE ID	BEHAVIOUR	LABEL	FILES
00102	Set the phone speaker on	command	com/ryanheise/audio_session/AndroidAudioManager.java
00056	Modify voice volume	control	com/ryanheise/audio_session/AndroidAudioManager.java
00054	Install other APKs from file	reflection	com/crazecoder/openfile/OpenFilePlugin.java
00001	Initialize bitmap object and compress data (e.g. JPEG) into bitmap object	camera	com/fluttercandies/image_editor/core/ImageHandler.java com/fluttercandies/image_editor/core/ImageMerger.java
00003	Put the compressed bitmap data into JSON object	camera	com/pichillilorenzo/flutter_inappwebview_android/webview/in_app_webview/lnAppW ebView.java
00199	Stop recording and release recording resources	record	io/flutter/plugins/camera/Camera.java
00034	Query the current data network type	collection network	com/sumsub/sns/internal/core/common/NetworkManager.java
00028	Read file from assets directory	file	io/flutter/embedding/engine/loader/ResourceExtractor.java
00004	Get filename and put it to JSON object	file collection	com/sumsub/sns/internal/core/data/source/applicant/remote/utils/c.java
00091	Retrieve data from broadcast	collection	com/pichillilorenzo/flutter_inappwebview_android/chrome_custom_tabs/ActionBroad castReceiver.java com/pichillilorenzo/flutter_inappwebview_android/chrome_custom_tabs/ChromeCust omTabsActivity.java com/pichillilorenzo/flutter_inappwebview_android/in_app_browser/InAppBrowserActi vity.java

RULE ID	BEHAVIOUR	LABEL	FILES
00192	Get messages in the SMS inbox	sms	com/incrediblezayed/file_saver/FileUtils.java com/mr/flutter/plugin/filepicker/FileUtils.java ru/surfstudio/android/utilktx/util/FileUtil.java
00011	Query data from URI (SMS, CALLLOGS)	sms calllog collection	com/incrediblezayed/file_saver/FileUtils.java com/sumsub/sns/internal/core/common/i.java
00191	Get messages in the SMS inbox	sms	com/incrediblezayed/file_saver/FileUtils.java com/sumsub/sns/internal/core/common/i.java
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	com/incrediblezayed/file_saver/FileUtils.java com/sumsub/sns/internal/core/common/i.java flutter/plugins/contactsservice/contactsservice/ContactsServicePlugin.java
00075	Get location of the device	collection location	com/sumsub/sns/geo/presentation/a.java
00194	Set the audio source (MIC) and recorded file format	record	io/flutter/plugins/camera/media/MediaRecorderBuilder.java
00197	Set the audio encoder and initialize the recorder	record	io/flutter/plugins/camera/media/MediaRecorderBuilder.java
00196	Set the recorded file format and output path	record file	io/flutter/plugins/camera/media/MediaRecorderBuilder.java
00183	Get current camera parameters and change the setting.	camera	com/journeyapps/barcodescanner/camera/CameraManager.java
00096	Connect to a URL and set request method	command network	com/pichillilorenzo/flutter_inappwebview_android/Util.java

RULE ID	BEHAVIOUR	LABEL	FILES
00123	Save the response to JSON after connecting to the remote server	network command	com/pichillilorenzo/flutter_inappwebview_android/Util.java
00094	Connect to a URL and read data from it	command network	com/pichillilorenzo/flutter_inappwebview_android/Util.java
00012	Read data and put it into a buffer stream	file	com/mr/flutter/plugin/filepicker/FileUtils.java

FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
App talks to a Firebase database	info	The app talks to Firebase database at https://samba-f93c5.firebaseio.com
Firebase Remote Config disabled	secure	Firebase Remote Config is disabled for https://firebaseremoteconfig.googleapis.com/v1/projects/119766812256/namespaces/firebase:fetch? key=AlzaSyAlSxq6otm0FyXWX_B_dB9bHRKmUergdU. This is indicated by the response: {'state': 'NO_TEMPLATE'}

***: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	13/25	android.permission.RECORD_AUDIO, android.permission.INTERNET, android.permission.CAMERA, android.permission.READ_EXTERNAL_STORAGE, android.permission.WRITE_EXTERNAL_STORAGE, android.permission.VIBRATE, android.permission.READ_CONTACTS, android.permission.GET_ACCOUNTS, android.permission.WAKE_LOCK, android.permission.ACCESS_NETWORK_STATE, android.permission.ACCESS_COARSE_LOCATION, android.permission.ACCESS_FINE_LOCATION, android.permission.WRITE_SETTINGS
Other Common Permissions	6/44	android.permission.WRITE_CONTACTS, android.permission.BLUETOOTH, com.google.android.gms.permission.AD_ID, android.permission.CALL_PHONE, com.google.android.c2dm.permission.RECEIVE, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE

Malware Permissions:

Top permissions that are widely abused by known malware.

Other Common Permissions:

Permissions that are commonly abused by known malware.

• OFAC SANCTIONED COUNTRIES

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

DOMAIN	COUNTRY/REGION
DOMAIN	COUNTRY/REGION

Q DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
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DOMAIN	STATUS	GEOLOCATION
samba-f93c5.firebaseio.com	ok	IP: 35.201.97.85 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
developer.android.com	ok	IP: 142.251.140.14 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
dev-in.sumsub.com	ok	IP: 10.220.13.238 Country: - Region: - City: - Latitude: 0.000000 Longitude: 0.000000 View: Google Map
www.example.com	ok	IP: 93.184.215.14 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map

DOMAIN	STATUS	GEOLOCATION
api.sumsub.com	ok	IP: 172.64.152.253 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map
android.asset	ok	No Geolocation information available.
support.sumsub.com	ok	IP: 54.247.6.224 Country: Ireland Region: Dublin City: Dublin Latitude: 53.343990 Longitude: -6.267190 View: Google Map
sentry.sumsub.com	ok	IP: 104.18.35.3 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map
github.com	ok	IP: 140.82.121.4 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
journeyapps.com	ok	IP: 3.164.85.22 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map

A TRACKERS

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

▶ HARDCODED SECRETS

POSSIBLE SECRETS

"firebase_database_url" : "https://samba-f93c5.firebaseio.com"

"google_api_key" : "AlzaSyAlSxq6otm0FyXWX_B__dB9bHRKmUergdU"

 $"google_crash_reporting_api_key": "AlzaSyAlSxq6otm0FyXWX_B__dB9bHRKmUergdU"$

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f7e1a085d69b3ddecbbcab5c36b857b97994afbbfa3aea82f9574c0b3d0782675159578ebad4594fe67107108180b449167123e84c281613b7cf09328cc8a6e13c167a8b547c8d28e0a3ae1e2bb3a675916ea37f0bfa213562f1fb627a01243bcca4f1bea8519089a883dfe15ae59f06928b665e807b552564014c3bfecf492a

1f3bdba585295d9a1110d1df1f9430ef8442c5018976ff3437ef91b81dc0b8132c8d5c39c32d0e004a3092b7d327c0e7a4d26d2c7b69b58f9066652911e457779de

C8619ED45A62E6212E1160349E2BFA844439FAFC2A3FD1638F9E

00FDFB49BFE6C3A89FACADAA7A1E5BBC7CC1C2E5D831478814

c39c6c3b3a36d7701b9c71a1f5804ae5d0003f4

07A11B09A76B562144418FF3FF8C2570B8

0409487239995A5EE76B55F9C2F098A89CE5AF8724C0A23E0E0FF77500

040060F05F658F49C1AD3AB1890F7184210EFD0987E307C84C27ACCFB8F9F67CC2C460189EB5AAAA62EE222EB1B35540CFE902374601E369050B7C4E42ACBA1DACB F04299C3460782F918EA427E6325165E9EA10E3DA5F6C42E9C55215AA9CA27A5863EC48D8E0286B

> PLAYSTORE INFORMATION

Title: Samba Mobile Banking

Score: 0 Installs: 10,000+ Price: 0 Android Version Support: Category: Finance Play Store URL: com.mobile.samba

Developer Details: SAMBA BANK LIMITED, PAKISTAN, SAMBA+BANK+LIMITED,+PAKISTAN, None, https://www.samba.com.pk, samba.care@samba.com.pk,

Release Date: Jul 4, 2024 Privacy Policy: Privacy link

Description:

Mobile App upgrade with new features. New look n feel, enhance the customer experience, more secure. Enhanced features like: - Profile Management - Standing Instructions -QR Payment



Timestamp	Event	Error
2024-11-14 20:40:08	Generating Hashes	OK
2024-11-14 20:40:08	Extracting APK	OK
2024-11-14 20:40:08	Unzipping	OK
2024-11-14 20:40:09	Getting Hardcoded Certificates/Keystores	OK
2024-11-14 20:40:09	Parsing APK with androguard	OK
2024-11-14 20:40:11	Parsing AndroidManifest.xml	OK
2024-11-14 20:40:11	Extracting Manifest Data	OK
2024-11-14 20:40:11	Performing Static Analysis on: Samba Bank (com.mobile.samba)	ОК
2024-11-14 20:40:11	Fetching Details from Play Store: com.mobile.samba	ОК
2024-11-14 20:40:15	Manifest Analysis Started	ОК

2024-11-14 20:40:15	Checking for Malware Permissions	ОК
2024-11-14 20:40:15	Fetching icon path	ОК
2024-11-14 20:40:15	Library Binary Analysis Started	ОК
2024-11-14 20:40:15	Reading Code Signing Certificate	ОК
2024-11-14 20:40:15	Running APKiD 2.1.5	OK
2024-11-14 20:40:22	Detecting Trackers	OK
2024-11-14 20:40:25	Decompiling APK to Java with JADX	OK
2024-11-14 20:41:08	Converting DEX to Smali	ОК
2024-11-14 20:41:08	Code Analysis Started on - java_source	ОК
2024-11-14 20:41:34	Android SAST Completed	ОК
2024-11-14 20:41:34	Android API Analysis Started	ОК

2024-11-14 20:41:39	Android API Analysis Completed	ОК
2024-11-14 20:41:40	Android Permission Mapping Started	ОК
2024-11-14 20:43:36	Android Permission Mapping Completed	ОК
2024-11-14 20:43:38	Email and URL Extraction Completed	ОК
2024-11-14 20:43:38	Android Behaviour Analysis Started	ОК
2024-11-14 20:43:44	Android Behaviour Analysis Completed	ОК
2024-11-14 20:43:44	Extracting String data from APK	OK
2024-11-14 20:43:44	Extracting String data from Code	OK
2024-11-14 20:43:44	Extracting String values and entropies from Code	OK
2024-11-14 20:43:50	Performing Malware check on extracted domains	OK

2024-11-14 20:43:56	Saving to Database	ОК
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Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.

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