ANDROID STATIC ANALYSIS REPORT

🤖 Wheel-Trans (4.0.2384.478)
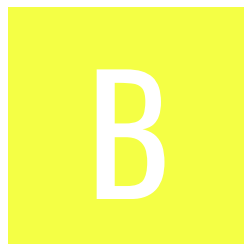
File Name:	Wheel-Trans_4.0.2384.478_APKPure.apk
Package Name:	ca.ttc.giro
Scan Date:	Nov. 17, 2024, 8:49 p.m.
App Security Score:	**55/100 (MEDIUM RISK)**
Grade:	**B**
Trackers Detection:	4/432

FINDINGS SEVERITY

🐛 HIGH	⚠ MEDIUM	ℹ INFO	✔ SECURE	🔍 HOTSPOT
2	15	3	3	1

FILE INFORMATION

File Name: Wheel-Trans_4.0.2384.478_APKPure.apk
Size: 22.16MB
MD5: 3c545bab96aa2ae03fb7c86ea7a005a0
SHA1: 9094a1779d807b7a0546d621b67656465b082b29
SHA256: ccd23ffa4f16a69d0ee1fb8bb7ada750c92389fab6482536b475c6119e7b395f

APP INFORMATION

App Name: Wheel-Trans
Package Name: ca.ttc.giro
Main Activity: com.is.android.views.MainInstantSystem
Target SDK: 33
Min SDK: 23
Max SDK:
Android Version Name: 4.0.2384.478

Android Version Code: 28285523

▦ APP COMPONENTS

Activities: 43
Services: 22
Receivers: 14
Providers: 4
Exported Activities: 0
Exported Services: 2
Exported Receivers: 2
Exported Providers: 0

❁ CERTIFICATE INFORMATION

Binary is signed
v1 signature: True
v2 signature: True
v3 signature: True
v4 signature: False
X.509 Subject: C=US, ST=California, L=Mountain View, O=Google Inc., OU=Android, CN=Android
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2019-03-08 13:52:46+00:00
Valid To: 2049-03-08 13:52:46+00:00
Issuer: C=US, ST=California, L=Mountain View, O=Google Inc., OU=Android, CN=Android
Serial Number: 0x56bf047df667b3d5009c8afafb7f10cdb6806b92
Hash Algorithm: sha256
md5: 2210313289f48df169a6aadf83f76383
sha1: 3888934b20cc32a0c5786a5489c442584d04f77e
sha256: 2762ba409e3629f8a7a309287727ffa172b7ac2aee54d83cab64fb3254711def
sha512: 32aa1d0dacbcbaec5f6a22151e3ce57762947e380cc9d864299780b165cbe24dfd05b82e964ad4ab5623f1a42514916bc1270a903349b39474d595dd113405eb
PublicKey Algorithm: rsa
Bit Size: 4096
Fingerprint: 5759e7073fee56556956089587a403c94d291c549c1c631755f64f1a12af40a1
Found 1 unique certificates

⠿ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
com.is.android.permission.MAPS_RECEIVE	unknown	Unknown permission	Unknown permission from android reference
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.
com.google.android.gms.permission.ACTIVITY_RECOGNITION	dangerous	allow application to recognize physical activity	Allows an application to recognize physical activity.
com.google.android.providers.gsf.permission.READ_GSERVICES	unknown	Unknown permission	Unknown permission from android reference
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications

PERMISSION	STATUS	INFO	DESCRIPTION
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.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.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	normal	permission defined by google	A custom permission defined by Google.

APKID ANALYSIS

FILE	DETAILS	
classes.dex	**FINDINGS**	**DETAILS**
	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check network operator name check
	Compiler	r8
classes2.dex	**FINDINGS**	**DETAILS**
	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.TAGS check possible VM check
	Anti Debug Code	Debug.isDebuggerConnected() check
	Compiler	r8 without marker (suspicious)
classes3.dex	**FINDINGS**	**DETAILS**
	Compiler	r8 without marker (suspicious)

FILE	DETAILS	
classes4.dex	**FINDINGS**	**DETAILS**
	Compiler	r8 without marker (suspicious)
classes5.dex	**FINDINGS**	**DETAILS**
	Compiler	r8 without marker (suspicious)
classes6.dex	**FINDINGS**	**DETAILS**
	Anti-VM Code	Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.BOARD check network operator name check
	Compiler	r8 without marker (suspicious)

🔒 NETWORK SECURITY

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

NO	SCOPE	SEVERITY	DESCRIPTION
1	*	high	Base config is insecurely configured to permit clear text traffic to all domains.

🪪 CERTIFICATE ANALYSIS

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

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

🔍 MANIFEST ANALYSIS

HIGH: **1** | WARNING: **4** | INFO: **0** | SUPPRESSED: **0**

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable upatched Android version Android 6.0-6.0.1, [minSdk=23]	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.

NO	ISSUE	SEVERITY	DESCRIPTION
2	App has a Network Security Configuration [android:networkSecurityConfig=@xml/network_security_config]	info	The Network Security Configuration feature lets apps customize their network security settings in a safe, declarative configuration file without modifying app code. These settings can be configured for specific domains and for a specific app.
3	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.
4	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.

NO	ISSUE	SEVERITY	DESCRIPTION
5	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.
6	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: **8** | INFO: **2** | SECURE: **2** | SUPPRESSED: **0**

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/atinternet/tracker/LifeCycle.java com/atinternet/tracker/TechnicalContext.java com/atinternet/tracker/TrackerConfigurationK

NO	ISSUE	SEVERITY	STANDARDS	FILES
				eys.java com/bumptech/glide/load/Option.java com/bumptech/glide/load/engine/DataCacheKey.java com/bumptech/glide/load/engine/EngineResource.java com/bumptech/glide/load/engine/ResourceCacheKey.java com/bumptech/glide/manager/RequestManagerRetriever.java com/dropbox/android/external/store4/StoreRequest.java com/instantsystem/authentication/webservice/data/request/ChangePasswordData.java com/instantsystem/authentication/webservice/data/request/ChangePasswordRequest.java com/instantsystem/authentication/webservice/data/request/RegisterUserRequest.java com/instantsystem/authentication/webservice/data/request/ResetPasswordRequest.java com/instantsystem/authentication/webservice/data/request/UserLoginRequest.java com/instantsystem/authentication/webservice/data/request/UserLoginWithSocialRequest.java com/instantsystem/authentication/webservice/data/user/UserResponse.java com/instantsystem/core/data/session/UserSession.java com/instantsystem/homearoundme/ui/home/HomeFragment.java com/instantsystem/model/authentication/data/RegisterUser.java com/instantsystem/model/bicollector/data/BIContent.java com/instantsystem/model/core/data/journey/Journey.java com/instantsystem/model/core/data/network/AppNetwork.java com/instantsystem/model/core/data/roadalerts/TrafficInfoSubscription.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
1	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/instantsystem/repository/bicollector/models/BIContentEntity.java com/instantsystem/repository/core/data/keycloak/KeycloakRemoteDataSource.java com/instantsystem/repository/core/data/network/AppNetworkResponse.java com/instantsystem/repository/core/data/transport/networkplans/NetworkPlanListResponse.java com/instantsystem/sdk/tools/ISSharedPreferences.java com/instantsystem/webservice/core/data/ActionResponse.java com/instantsystem/webservice/core/data/roadalerts/RoadTrafficAlertElementBody.java com/instantsystem/webservice/core/data/roadalerts/RoadTrafficAlertElementResponse.java com/instantsystem/webservice/core/data/route/transitpass/TransitPassListResponse.java com/instantsystem/webservice/route/data/JourneysResponse.java com/is/android/data/authentication/model/ResetPasswordRequest.java com/is/android/domain/alerting/AlertingManager.java com/is/android/domain/aroundme/Proximity.java com/is/android/domain/network/location/ISAddress.java com/is/android/domain/trip/results/Ticket.java com/is/android/domain/user/datasource/UserTable.java com/is/android/helper/PushNotificationHelper.java com/is/android/infrastructure/fcm/FcmListenerService.java com/is/android/views/map/MapWalkToProximityActivity.java com/mixpanel/android/mpmetrics/DisplayTrigger.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/mixpanel/android/mpmetrics/SelectorEvaluator.java com/mixpanel/android/mpmetrics/UpdateDisplayState.java com/mixpanel/android/takeoverinapp/TakeoverInAppActivity.java com/mixpanel/android/viewcrawler/ViewCrawler.java
				com/airbnb/lottie/LottieAnimationView.java com/airbnb/lottie/PerformanceTracker.java com/airbnb/lottie/utils/LogcatLogger.java com/atinternet/tracker/Builder.java com/atinternet/tracker/Configuration.java com/atinternet/tracker/Debugger.java com/atinternet/tracker/LifeCycle.java com/atinternet/tracker/Storage.java com/atinternet/tracker/TechnicalContext.java com/atinternet/tracker/Tool.java com/atinternet/tracker/Tracker.java com/atinternet/tracker/TrackerQueue.java com/bumptech/glide/GeneratedAppGlideModuleImpl.java com/bumptech/glide/Glide.java com/bumptech/glide/disklrucache/DiskLruCache.java com/bumptech/glide/gifdecoder/GifHeaderParser.java com/bumptech/glide/gifdecoder/StandardGifDecoder.java com/bumptech/glide/load/data/AssetPathFetcher.java com/bumptech/glide/load/data/HttpUrlFetcher.java com/bumptech/glide/load/data/LocalUriFetcher.java com/bumptech/glide/load/data/mediastore/ThumbFetcher.java com/bumptech/glide/load/data/mediastore/ThumbnailStreamOpener.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/bumptech/glide/load/engine/DecodeJob.java
				com/bumptech/glide/load/engine/DecodePath.java
				com/bumptech/glide/load/engine/Engine.java
				com/bumptech/glide/load/engine/GlideException.java
				com/bumptech/glide/load/engine/SourceGenerator.java
				com/bumptech/glide/load/engine/bitmap_recycle/LruArrayPool.java
				com/bumptech/glide/load/engine/bitmap_recycle/LruBitmapPool.java
				com/bumptech/glide/load/engine/cache/DiskLruCacheWrapper.java
				com/bumptech/glide/load/engine/cache/MemorySizeCalculator.java
				com/bumptech/glide/load/engine/executor/GlideExecutor.java
				com/bumptech/glide/load/engine/executor/RuntimeCompat.java
				com/bumptech/glide/load/engine/prefill/BitmapPreFillRunner.java
				com/bumptech/glide/load/model/ByteBufferEncoder.java
				com/bumptech/glide/load/model/ByteBufferFileLoader.java
				com/bumptech/glide/load/model/FileLoader.java
				com/bumptech/glide/load/model/ResourceLoader.java
				com/bumptech/glide/load/model/StreamEncoder.java
				com/bumptech/glide/load/resource/ImageDecoderResourceDecoder.java
				com/bumptech/glide/load/resource/bitmap/BitmapEncoder.java
				com/bumptech/glide/load/resource/bitmap/BitmapImageDecoderResourceDecoder.java
				com/bumptech/glide/load/resource/bitmap/D

NO	ISSUE	SEVERITY	STANDARDS	FILES
				efaultImageHeaderParser.java com/bumptech/glide/load/resource/bitmap/Downsampler.java com/bumptech/glide/load/resource/bitmap/DrawableToBitmapConverter.java com/bumptech/glide/load/resource/bitmap/HardwareConfigState.java com/bumptech/glide/load/resource/bitmap/TransformationUtils.java com/bumptech/glide/load/resource/bitmap/VideoDecoder.java com/bumptech/glide/load/resource/gif/ByteBufferGifDecoder.java com/bumptech/glide/load/resource/gif/GifDrawableEncoder.java com/bumptech/glide/load/resource/gif/StreamGifDecoder.java com/bumptech/glide/manager/DefaultConnectivityMonitor.java com/bumptech/glide/manager/DefaultConnectivityMonitorFactory.java com/bumptech/glide/manager/RequestManagerFragment.java com/bumptech/glide/manager/RequestManagerRetriever.java com/bumptech/glide/manager/RequestTracker.java com/bumptech/glide/manager/SupportRequestManagerFragment.java com/bumptech/glide/module/ManifestParser.java com/bumptech/glide/request/SingleRequest.java com/bumptech/glide/request/target/CustomViewTarget.java com/bumptech/glide/request/target/ViewTarget.java com/bumptech/glide/signature/ApplicationVersionSignature.java com/bumptech/glide/util/ContentLengthInput

NO	ISSUE	SEVERITY	STANDARDS	FILES
				Stream.java com/bumptech/glide/util/pool/FactoryPools.java
2	[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/caverock/androidsvg/CSSParser.java com/caverock/androidsvg/SVG.java com/caverock/androidsvg/SVGAndroidRenderer.java com/caverock/androidsvg/SVGImageView.java com/caverock/androidsvg/SVGParser.java com/caverock/androidsvg/SimpleAssetResolver.java com/github/mikephil/charting/charts/BarChart.java com/github/mikephil/charting/charts/BarLineChartBase.java com/github/mikephil/charting/charts/Chart.java com/github/mikephil/charting/charts/CombinedChart.java com/github/mikephil/charting/charts/HorizontalBarChart.java com/github/mikephil/charting/charts/PieRadarChartBase.java com/github/mikephil/charting/components/AxisBase.java com/github/mikephil/charting/data/ChartData.java com/github/mikephil/charting/data/CombinedData.java com/github/mikephil/charting/data/LineDataSet.java com/github/mikephil/charting/data/PieEntry.java com/github/mikephil/charting/listener/BarLineChartTouchListener.java com/github/mikephil/charting/renderer/ScatterChartRenderer.java com/github/mikephil/charting/utils/FileUtils.java com/github/mikephil/charting/utils/Utils.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/instantsystem/log/Timber.java com/instantsystem/mixpanelcollector/MixpanelDelegate.java
				com/instantsystem/sdk/adapters/DividerItemDecoration.java com/instantsystem/sdktagmanager/trackbuilder/XitiTrackBuilder.java com/instantsystem/webservice/core/data/ActionsResponseKt.java com/is/android/domain/user/datasource/UserTable.java com/is/android/tools/ReleaseTree.java com/is/android/views/favorites/FavoriteTabFragment.java com/is/android/views/schedules/SchedulesTabFragment$pageChangedListener$1.java com/mixpanel/android/java_websocket/WebSocketImpl.java com/mixpanel/android/mpmetrics/AnalyticsMessages.java com/mixpanel/android/mpmetrics/ConfigurationChecker.java com/mixpanel/android/mpmetrics/ConnectIntegrations.java com/mixpanel/android/mpmetrics/DecideChecker.java com/mixpanel/android/mpmetrics/DecideMessages.java com/mixpanel/android/mpmetrics/DisplayTrigger.java com/mixpanel/android/mpmetrics/InAppButton.java com/mixpanel/android/mpmetrics/InAppFragment.java com/mixpanel/android/mpmetrics/InAppNotification.java com/mixpanel/android/mpmetrics/InstallReferrerReceiver.java com/mixpanel/android/mpmetrics/MPConfig.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/mixpanel/android/mpmetrics/MPDbAdapter.java
				com/mixpanel/android/mpmetrics/MixpanelAPI.java
				com/mixpanel/android/mpmetrics/MixpanelFCMMessagingService.java
				com/mixpanel/android/mpmetrics/PersistentIdentity.java
				com/mixpanel/android/mpmetrics/ResourceReader.java
				com/mixpanel/android/mpmetrics/SessionMetadata.java
				com/mixpanel/android/mpmetrics/SystemInformation.java
				com/mixpanel/android/mpmetrics/Tweaks.java
				com/mixpanel/android/mpmetrics/UpdateDisplayState.java
				com/mixpanel/android/takeoverinapp/TakeoverInAppActivity.java
				com/mixpanel/android/util/ActivityImageUtils.java
				com/mixpanel/android/util/HttpService.java
				com/mixpanel/android/util/ImageStore.java
				com/mixpanel/android/util/MPLog.java
				com/mixpanel/android/viewcrawler/Caller.java
				com/mixpanel/android/viewcrawler/DynamicEventTracker.java
				com/mixpanel/android/viewcrawler/EditProtocol.java
				com/mixpanel/android/viewcrawler/EditorConnection.java
				com/mixpanel/android/viewcrawler/FlipGesture.java
				com/mixpanel/android/viewcrawler/Pathfinder.java
				com/mixpanel/android/viewcrawler/ViewCrawler.java
				com/mixpanel/android/viewcrawler/ViewSnap

NO	ISSUE	SEVERITY	STANDARDS	FILES
				shot.java com/mixpanel/android/viewcrawler/ViewVisitor.java com/tonicartos/superslim/GridSLM.java com/tonicartos/superslim/LayoutManager.java com/wdullaer/materialdatetimepicker/date/DayPickerView.java com/wdullaer/materialdatetimepicker/time/AmPmCirclesView.java com/wdullaer/materialdatetimepicker/time/CircleView.java com/wdullaer/materialdatetimepicker/time/RadialPickerLayout.java com/wdullaer/materialdatetimepicker/time/RadialSelectorView.java com/wdullaer/materialdatetimepicker/time/RadialTextsView.java com/wdullaer/materialdatetimepicker/time/TimePickerDialog.java de/greenrobot/event/BackgroundPoster.java de/greenrobot/event/EventBus.java de/greenrobot/event/SubscriberMethodFinder.java de/greenrobot/event/util/AsyncExecutor.java de/greenrobot/event/util/ErrorDialogConfig.java de/greenrobot/event/util/ErrorDialogManager.java de/greenrobot/event/util/ExceptionToResourceMapping.java dev/chrisbanes/insetter/Insetter.java org/koin/android/logger/AndroidLogger.java org/koin/core/logger/EmptyLogger.java org/koin/core/time/MeasureKt.java timber/log/Timber.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
3	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/github/mikephil/charting/charts/Chart.java com/github/mikephil/charting/utils/FileUtils.java com/instantsystem/core/util/imagepicker/ImagePickerHelper.java com/instantsystem/feature/transport/networkplans/domain/MapDownloaderService.java com/instantsystem/sdk/tools/files/FileTools.java com/is/android/Parameters.java com/is/android/data/local/cachedmanager/ObjectCachedManagerDiskCache.java com/is/android/tools/FileTools.java com/is/android/views/guiding/BikeGuidingViewModel.java com/is/android/views/guiding/gpx/GpxExporterDialogFragment.java
4	This App copies data to clipboard. Sensitive data should not be copied to clipboard as other applications can access it.	info	OWASP MASVS: MSTG-STORAGE-10	com/is/android/sharedextensions/ContextKt.java com/is/android/views/guiding/gpx/GpxExporterDialogFragment.java
5	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	com/mixpanel/android/java_websocket/drafts/Draft_10.java com/mixpanel/android/util/ImageStore.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
6	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	com/instantsystem/repository/authentication/koin/AuthenRepositoryModuleKt.java com/instantsystem/repository/bicollector/koin/BICollectorRepositoryModuleKt.java com/instantsystem/repository/core/koin/ConfigurationModuleKt.java com/instantsystem/repository/core/koin/CoreModuleKt.java com/instantsystem/repository/core/koin/TokenModulesKt.java com/instantsystem/repository/core/koin/TokenServiceModuleKt.java com/instantsystem/repository/journey/koin/JourneyModuleKt.java com/instantsystem/repository/place/koin/PlaceModuleKt.java com/instantsystem/repository/proximity/koin/ProximityModuleKt.java com/instantsystem/repository/ridesharing/koin/RidesharingModuleKt.java com/instantsystem/repository/searchplace/koin/PlaceModuleKt.java com/instantsystem/sdk/data/commons/BaseUrlStringKt.java com/is/android/Contents.java com/is/android/favorites/koin/FavoriteModuleKt.java com/is/android/koin/NetworkServiceKt.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
7	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/atinternet/tracker/Storage.java com/is/android/data/launchnews/datasource/LaunchNewsTable.java com/is/android/domain/favorites/place/datasource/FavoriteDestinationDatabase.java com/is/android/domain/favorites/schedules/datasource/FavoriteNextDeparturesDatabase.java com/is/android/domain/network/location/line/recent/RecentLinesDatabase.java com/is/android/domain/poi/recent/RecentQueriesTable.java com/is/android/domain/trip/lastsearch/LastTripSearchTable.java com/is/android/domain/user/datasource/UserTable.java com/mixpanel/android/mpmetrics/MPDbAdapter.java
8	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/atinternet/tracker/Builder.java com/mixpanel/android/java_websocket/drafts/Draft_10.java com/mixpanel/android/java_websocket/drafts/Draft_75.java com/mixpanel/android/java_websocket/drafts/Draft_76.java com/mixpanel/android/mpmetrics/SessionMetadata.java
9	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/instantsystem/repository/core/data/transport/networkplans/LocalNetworkPlanDataSource.java com/mixpanel/android/java_websocket/drafts/Draft_76.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
10	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/is/android/views/user/profile/camera/PickUserPhotoActivity.java
11	This App may request root (Super User) privileges.	warning	CWE: CWE-250: Execution with Unnecessary Privileges OWASP MASVS: MSTG-RESILIENCE-1	com/instantsystem/core/util/RootUtilKt.java com/instantsystem/core/util/SecurityUtilKt.java
12	This App may have root detection capabilities.	secure	OWASP MASVS: MSTG-RESILIENCE-1	com/instantsystem/core/util/RootUtilKt.java

🪪 NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION

🖧 BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
			ca/ttc/giro/views/settings/contact/ContactFragment.java com/atinternet/tracker/Debugger.java com/instantsystem/core/domain/OpenBrowserUseCase.java com/instantsystem/core/domain/SendEmailUseCase.java com/instantsystem/core/util/contact/ContactKt.java com/instantsystem/route/ui/roadmap/AvailableTaxiFragment.java com/instantsystem/route/ui/subscriptions/SubscriptionsSettingsSublevelFragment.java

RULE ID	BEHAVIOUR	LABEL	FILES
			com/instantsystem/sdk/data/commons/StoreLinksKt.java com/is/android/data/action/CoreActionRepository.java com/is/android/helper/PushNotificationHelper.java com/is/android/tools/Tools.java
00063	Implicit intent(view a web page, make a phone call, etc.)	control	com/is/android/views/authentication/login/LoginManagerActivity.java com/is/android/views/base/BaseContentWebViewActivity.java com/is/android/views/base/BaseContentWebViewFragment.java com/is/android/views/disruptions/linedisruptionsv2/LineDisruptionsV2Fragment.java com/is/android/views/guiding/steps/GuidingStepsFragment.java com/is/android/views/menu/data/model/MenuItemConverterKt.java com/is/android/views/menu/domain/DisplayContactsPickerUseCase.java com/is/android/views/menu/domain/StartFacebookMessengerUseCase.java com/is/android/views/menu/domain/StartPhoneCallUseCase.java com/is/android/views/menu/domain/StartSendContactEmailUseCase.java com/is/android/views/othermodes/ParkInfoActivity.java com/is/android/views/roadmapv2/timeline/RoadMapV2TimelineFragment$displayPricingInformation$2.java com/is/android/views/roadmapv2/timeline/RoadMapV2TimelineFragment.java com/is/android/views/roadmapv2/timeline/view/header/TimelineExternalAdAdapterDelegate.java com/is/android/views/roadmapv2/timeline/view/steps/stand/StandDetailsActivity.java com/is/android/views/roadmapv2/timeline/view/steps/stand/StandView.java com/is/android/views/settings/licences/LicenseViewHolder.java com/is/android/views/user/profile/camera/PickUserPhotoActivity.java com/is/android/views/userjourneys/RequestAdapter.java com/is/android/views/userjourneys/navigation/UserNavigationViewHolder.java com/is/android/views/widget/FavoriteWidget.java com/mixpanel/android/mpmetrics/InAppFragment.java com/mixpanel/android/mpmetrics/MixpanelFCMMessagingService.java com/mixpanel/android/takeoverinapp/TakeoverInAppActivity.java

RULE ID	BEHAVIOUR	LABEL	FILES
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	ca/ttc/giro/views/settings/contact/ContactFragment.java com/instantsystem/core/domain/SendEmailUseCase.java com/instantsystem/route/ui/roadmap/AvailableTaxiFragment.java com/is/android/data/action/CoreActionRepository.java com/is/android/helper/PushNotificationHelper.java com/is/android/views/menu/domain/StartFacebookMessengerUseCase.java com/is/android/views/menu/domain/StartPhoneCallUseCase.java com/is/android/views/settings/licences/LicenseViewHolder.java com/is/android/views/widget/FavoriteWidget.java
00089	Connect to a URL and receive input stream from the server	command network	com/bumptech/glide/load/data/HttpUrlFetcher.java com/mixpanel/android/util/HttpService.java
00030	Connect to the remote server through the given URL	network	com/airbnb/lottie/network/DefaultLottieNetworkFetcher.java com/atinternet/tracker/Sender.java com/bumptech/glide/load/data/HttpUrlFetcher.java
00109	Connect to a URL and get the response code	network command	com/atinternet/tracker/Sender.java com/bumptech/glide/load/data/HttpUrlFetcher.java com/mixpanel/android/util/HttpService.java
00202	Make a phone call	control	ca/ttc/giro/views/settings/contact/ContactFragment.java com/instantsystem/route/ui/roadmap/AvailableTaxiFragment.java com/is/android/data/action/CoreActionRepository.java com/is/android/views/menu/domain/StartPhoneCallUseCase.java
00203	Put a phone number into an intent	control	ca/ttc/giro/views/settings/contact/ContactFragment.java com/instantsystem/route/ui/roadmap/AvailableTaxiFragment.java com/is/android/data/action/CoreActionRepository.java com/is/android/views/menu/domain/StartPhoneCallUseCase.java

RULE ID	BEHAVIOUR	LABEL	FILES
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	com/bumptech/glide/load/data/mediastore/ThumbFetcher.java
00091	Retrieve data from broadcast	collection	com/instantsystem/search/ui/SearchActivity.java com/is/android/infrastructure/fcm/FcmMessage.java com/is/android/infrastructure/services/TrackingService.java com/is/android/views/ads/AdDetailFragment.java com/is/android/views/ads/edit/EditAdStepperActivity.java com/is/android/views/ads/request/AdManualRequestActivity.java com/is/android/views/ads/request/ReplyToAdStepperActivity.java com/is/android/views/base/BaseContentWebViewActivity.java com/is/android/views/crowdsourcing/CrowdSourcingActivity.java com/is/android/views/disruptions/linedisruptionsv2/DisruptionsV2Activity.java com/is/android/views/elevator/old/ElevatorActivity.java com/is/android/views/favorites/favoritedestinations/FavoriteDestinationCreateActivity.java com/is/android/views/map/MapBikes.java com/is/android/views/map/MapCarActivity.java com/is/android/views/mapselectpoints/MapSelectPOIActivity.java com/is/android/views/multimodal/MultimodalReplyToJourneyStepperActivity.java com/is/android/views/othermodes/ParkInfoActivity.java com/is/android/views/roadmapv2/RoadMapFragment.java com/is/android/views/user/profile/UserPublicProfileActivity.java com/is/android/views/user/profile/UserVehicleUpdateActivity.java com/is/android/views/userjourneys/navigation/MapNavigationActivity.java com/is/android/views/userjourneys/waitingroom/WaitingRoomActivity.java com/mixpanel/android/mpmetrics/InstallReferrerReceiver.java

RULE ID	BEHAVIOUR	LABEL	FILES
00022	Open a file from given absolute path of the file	file	com/airbnb/lottie/network/NetworkCache.java com/airbnb/lottie/network/NetworkFetcher.java com/fasterxml/jackson/databind/ser/std/FileSerializer.java com/github/mikephil/charting/charts/Chart.java com/is/android/views/guiding/BikeGuidingViewModel.java com/is/android/views/guiding/gpx/GpxExporterDialogFragment.java com/mixpanel/android/util/ImageStore.java
00075	Get location of the device	collection location	com/instantsystem/core/util/location/FusedLocationClient.java
00112	Get the date of the calendar event	collection calendar	com/fasterxml/jackson/databind/ser/std/StdKeySerializers.java com/fasterxml/jackson/databind/util/StdDateFormat.java
00013	Read file and put it into a stream	file	com/airbnb/lottie/network/NetworkCache.java com/airbnb/lottie/network/NetworkFetcher.java com/bumptech/glide/disklrucache/DiskLruCache.java com/bumptech/glide/load/ImageHeaderParserUtils.java com/bumptech/glide/load/model/FileLoader.java com/fasterxml/jackson/core/JsonFactory.java com/fasterxml/jackson/databind/ObjectReader.java com/instantsystem/repository/core/rocket/data/RocketLocalDataSource.java com/mixpanel/android/java_websocket/util/Base64.java okio/Okio__JvmOkioKt.java
00002	Open the camera and take picture	camera	com/is/android/views/user/profile/camera/PickUserPhotoActivity.java
00204	Get the default ringtone	collection	com/is/android/views/userjourneys/navigation/MapNavigationActivity.java

RULE ID	BEHAVIOUR	LABEL	FILES
00036	Get resource file from res/raw directory	reflection	com/atinternet/tracker/Debugger.java com/instantsystem/core/util/contact/ContactKt.java com/instantsystem/sdk/data/commons/StoreLinksKt.java com/is/android/helper/PushNotificationHelper.java com/is/android/tools/Tools.java com/is/android/views/widget/FavoriteWidget.java com/mixpanel/android/mpmetrics/MixpanelFCMMessagingService.java
00078	Get the network operator name	collection telephony	com/atinternet/tracker/TechnicalContext.java com/mixpanel/android/mpmetrics/SystemInformation.java
00034	Query the current data network type	collection network	com/atinternet/tracker/TechnicalContext.java
00162	Create InetSocketAddress object and connecting to it	socket	com/mixpanel/android/java_websocket/client/WebSocketClient.java
00163	Create new Socket and connecting to it	socket	com/mixpanel/android/java_websocket/client/WebSocketClient.java
00096	Connect to a URL and set request method	command network	com/airbnb/lottie/network/DefaultLottieNetworkFetcher.java com/mixpanel/android/util/HttpService.java
00094	Connect to a URL and read data from it	command network	com/mixpanel/android/util/HttpService.java
00108	Read the input stream from given URL	network command	com/mixpanel/android/util/HttpService.java
00023	Start another application from current application	reflection control	com/is/android/tools/Tools.java

RULE ID	BEHAVIOUR	LABEL	FILES
00012	Read data and put it into a buffer stream	file	com/mixpanel/android/java_websocket/util/Base64.java
00009	Put data in cursor to JSON object	file	com/mixpanel/android/mpmetrics/MPDbAdapter.java
00004	Get filename and put it to JSON object	file collection	com/mixpanel/android/mpmetrics/MPDbAdapter.java
00183	Get current camera parameters and change the setting.	camera	com/is/android/views/user/profile/camera/UserPhotoCameraView.java
00177	Check if permission is granted and request it	permission	com/is/android/infrastructure/location/FusedLocationClient.java
00025	Monitor the general action to be performed	reflection	com/is/android/views/guiding/geofencing/GuidingService.java
00028	Read file from assets directory	file	com/instantsystem/repository/core/data/transport/NetworkLocalDataSource.java

🗄 FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
App talks to a Firebase database	info	The app talks to Firebase database at https://giro-is.firebaseio.com

TITLE	SEVERITY	DESCRIPTION
Firebase Remote Config disabled	secure	Firebase Remote Config is disabled for https://firebaseremoteconfig.googleapis.com/v1/projects/572019698076/namespaces/firebase:fetch?key=AIzaSyCvsFEkIBbkEk-bK7ks-2Qlx9ZKUwZNHg8. This is indicated by the response: {'state': 'NO_TEMPLATE'}

⣿ ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	7/25	android.permission.INTERNET, android.permission.ACCESS_NETWORK_STATE, android.permission.VIBRATE, android.permission.ACCESS_COARSE_LOCATION, android.permission.ACCESS_FINE_LOCATION, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.WAKE_LOCK
Other Common Permissions	4/44	com.google.android.c2dm.permission.RECEIVE, com.google.android.gms.permission.ACTIVITY_RECOGNITION, android.permission.FOREGROUND_SERVICE, 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 MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
www.vianavigo.com	ok	**IP:** 141.101.90.99 **Country:** France **Region:** Ile-de-France **City:** Paris **Latitude:** 48.853409 **Longitude:** 2.348800 **View:** Google Map
www.apache.org	ok	**IP:** 151.101.2.132 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
lab.giro.ca	ok	**IP:** 199.84.173.15 **Country:** Canada **Region:** Quebec **City:** Montreal **Latitude:** 45.547874 **Longitude:** -73.656334 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
decide.mixpanel.com	ok	**IP:** 130.211.34.183 **Country:** United States of America **Region:** Missouri **City:** Kansas City **Latitude:** 39.099731 **Longitude:** -94.578568 **View:** Google Map
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
maps.google.com	ok	**IP:** 142.251.41.46 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
qa.instant-system.com	ok	**IP:** 104.22.56.109 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
www.mangopay.com	ok	**IP:** 75.2.60.5 **Country:** United States of America **Region:** Washington **City:** Seattle **Latitude:** 47.606209 **Longitude:** -122.332069 **View:** Google Map
android.googlesource.com	ok	**IP:** 142.251.163.82 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
rec-is-iv.iledefrance-mobilites.fr	ok	No Geolocation information available.
wtis2020-sbw-dev.ttc.ca	ok	**IP:** 198.168.255.119 **Country:** Canada **Region:** Ontario **City:** Toronto **Latitude:** 43.697815 **Longitude:** -79.396629 **View:** Google Map
javax.xml.xmlconstants	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
mywheel-trans.ttc.ca	ok	**IP:** 198.168.255.118 **Country:** Canada **Region:** Ontario **City:** Toronto **Latitude:** 43.697815 **Longitude:** -79.396629 **View:** Google Map
api.mixpanel.com	ok	**IP:** 130.211.34.183 **Country:** United States of America **Region:** Missouri **City:** Kansas City **Latitude:** 39.099731 **Longitude:** -94.578568 **View:** Google Map
pprod-is-iv.iledefrance-mobilites.fr	ok	No Geolocation information available.
www.my-annemasse.fr	ok	No Geolocation information available.
wtis2020-sbw-tst.ttc.ca	ok	**IP:** 198.168.255.119 **Country:** Canada **Region:** Ontario **City:** Toronto **Latitude:** 43.697815 **Longitude:** -79.396629 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
xml.org	ok	**IP:** 104.239.240.11 **Country:** United States of America **Region:** Texas **City:** Windcrest **Latitude:** 29.499678 **Longitude:** -98.399246 **View:** Google Map
sso.dev.fr.instant-system.com	ok	No Geolocation information available.
wtis2020-sbw-poc.ttc.ca	ok	**IP:** 198.168.255.119 **Country:** Canada **Region:** Ontario **City:** Toronto **Latitude:** 43.697815 **Longitude:** -79.396629 **View:** Google Map
play.google.com	ok	**IP:** 142.251.41.46 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
preprod.canada.instant-system.com	ok	**IP:** 35.203.45.24 **Country:** Canada **Region:** Quebec **City:** Montreal **Latitude:** 45.508839 **Longitude:** -73.587807 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
developers.facebook.com	ok	**IP:** 31.13.80.8 **Country:** Canada **Region:** Ontario **City:** Toronto **Latitude:** 43.700111 **Longitude:** -79.416298 **View:** [Google Map](#)
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](#)
www.topografix.com	ok	**IP:** 104.209.197.87 **Country:** United States of America **Region:** Virginia **City:** Boydton **Latitude:** 36.667641 **Longitude:** -78.387497 **View:** [Google Map](#)
dev.instant-system.com	ok	**IP:** 104.22.56.109 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** [Google Map](#)

DOMAIN	STATUS	GEOLOCATION
www.auvergnerhonealpes.fr	ok	**IP:** 104.18.11.226 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
drive.google.com	ok	**IP:** 142.251.33.174 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
backend.geovelo.fr	ok	**IP:** 51.159.86.112 **Country:** France **Region:** Ile-de-France **City:** Paris **Latitude:** 48.853409 **Longitude:** 2.348800 **View:** Google Map
storage.googleapis.com	ok	**IP:** 172.217.1.27 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
dev.geovelo.fr	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
prod.canada.instant-system.com	ok	**IP:** 35.203.45.24 **Country:** Canada **Region:** Quebec **City:** Montreal **Latitude:** 45.508839 **Longitude:** -73.587807 **View:** Google Map
www.garmin.com	ok	**IP:** 104.17.147.16 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
www.w3.org	ok	**IP:** 104.18.22.19 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
unami.typeform.com	ok	**IP:** 44.194.99.154 **Country:** United States of America **Region:** Virginia **City:** Ashburn **Latitude:** 39.043720 **Longitude:** -77.487488 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
instant-system.com	ok	**IP:** 35.187.37.119 **Country:** Belgium **Region:** Brussels Hoofdstedelijk Gewest **City:** Brussels **Latitude:** 50.850449 **Longitude:** 4.348780 **View:** Google Map
giro-is.firebaseio.com	ok	**IP:** 34.120.160.131 **Country:** United States of America **Region:** Missouri **City:** Kansas City **Latitude:** 39.099731 **Longitude:** -94.578568 **View:** Google Map

✉ EMAILS

EMAIL	FILE
this@fcmlistenerservice.applicatio	com/is/android/infrastructure/fcm/FcmListenerService.java
test@test.fr	com/is/android/domain/user/User.java
nom.prenom@example.fr om.prenom@example.fr nom.prenom@exemple.fr contact@instant-system.com anv-familh.anv-bihan@skouer.fr	Android String Resource

🕵 TRACKERS

TRACKER	CATEGORIES	URL
ATInternet	Analytics	https://reports.exodus-privacy.eu.org/trackers/31
Google CrashLytics	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/27
Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
MixPanel	Analytics	https://reports.exodus-privacy.eu.org/trackers/118

🔑 HARDCODED SECRETS

POSSIBLE SECRETS
"KEY_CANCEL" : "Cancel"
"KEY_OK" : "OK"
"client_secret" : "seeha6eeYaon"
"firebase_database_url" : "https://giro-is.firebaseio.com"
"geovelo_api_key" : "a8acdb0b-b750-4edf-8b94-c8272f9a6e5b"
"google_api_key" : "AIzaSyCvsFEkIBbkEk-bK7ks-2Qlx9ZKUwZNHg8"

POSSIBLE SECRETS

"google_crash_reporting_api_key" : "AIzaSyCvsFEkIBbkEk-bK7ks-2Qlx9ZKUwZNHg8"

"keycloak_client_secret" : "85f2781a-f5aa-4b40-a67e-e28c784f3865"

"maas_services_auth_sms_title" : "Connection"

"maas_services_auth_sms_valid_button" : "Validate"

"maas_services_auth_webview_title" : "Authentication"

"maps_v2_api_key" : ""

"mixpanel_token" : "ffc97bb538618179917802738061a731"

"stif_account_section_data_button_password" : "Password"

"KEY_CANCEL" : "Annuler"

"KEY_OK" : "Ok"

"maas_services_auth_sms_title" : "Connexion"

"maas_services_auth_sms_valid_button" : "Valider"

"maas_services_auth_webview_title" : "Authentification"

"KEY_CANCEL" : "□□□□□"

"KEY_OK" : "OK"

POSSIBLE SECRETS

"maas_services_auth_sms_code_invalid" : "□□□□□□□□□□□□□□□□□□□□□□□□□□□□"

"maas_services_auth_sms_title" : "□□"

"maas_services_auth_sms_valid_button" : "□□"

"maas_services_auth_webview_title" : "□□"

"mdtp_deleted_key" : "%1$s□□□□□□□□"

"pref_fcm_token" : "□□□□□□□□□□□□□"

"pref_fcm_token_copied" : "□□□□□□□□□□□□□□□"

"profile_loyalty_points_password" : "Ecomobi□□□□□□"

"reset_your_password" : "□□□□□□□□□□□□□□□□"

"stif_account_section_data_button_password" : "□□□□□□"

"stif_reset_password_from_token_title" : "□□□□□□□□□□□□□□□□□"

"tod_trip_status_in_session" : "□□□□□□□"

"KEY_CANCEL" : "Stornieren"

"KEY_OK" : "OK"

"maas_services_auth_sms_title" : "Connection"

POSSIBLE SECRETS
"maas_services_auth_sms_valid_button" : "Validate"
"maas_services_auth_webview_title" : "Authentication"
"stif_account_section_data_button_password" : "Passwort"
"KEY_CANCEL" : "■■■■■"
"KEY_OK" : "■■■■■"
"maas_services_auth_sms_title" : "Connection"
"maas_services_auth_sms_valid_button" : "Validate"
"maas_services_auth_webview_title" : "Authentication"
"stif_account_section_data_button_password" : "■■■■■■■■■"
"KEY_OK" : "■■■"
"maas_services_auth_sms_title" : "Connection"
"maas_services_auth_sms_valid_button" : "Validate"
"maas_services_auth_webview_title" : "Authentication"
"KEY_CANCEL" : "Annuleren"
"KEY_OK" : "OK"

POSSIBLE SECRETS

"maas_services_auth_sms_title" : "Aanmelden"

"maas_services_auth_sms_valid_button" : "Bevestigen"

"maas_services_auth_webview_title" : "Authenticatie"

"stif_account_section_data_button_password" : "Wachtwoord"

"KEY_CANCEL" : "إلغاء"

"KEY_OK" : "حسنا"

"maas_services_auth_sms_title" : "Connection"

"maas_services_auth_sms_valid_button" : "Validate"

"maas_services_auth_webview_title" : "Authentication"

"KEY_CANCEL" : "Nullañ"

"maas_services_auth_sms_title" : "Kevreañ"

"maas_services_auth_sms_valid_button" : "Validañ"

"maas_services_auth_webview_title" : "Dilesadur"

"stif_account_section_data_button_password" : "Ger-tremen"

df61992cae74efa55ab43b519871cd22

POSSIBLE SECRETS

ee8285fc17678153dcf9ac6591c8cf2f

faed3f15ceffac3227b448fff145f826

b0b378c7bf309962df68d6667bf57648

58d74cf80c3e370cb0751d681f1c03ac

ef2ec77422231db6403e4b0668523c2d

49f946663a8deb7054212b8adda248c6

2ae16afc814d427f8ebb585d0e40d3b4

84cc2dfbcbb672aabfb25e752ac26092

470fa2b4ae81cd56ecbcda9735803434cec591fa

d472b0284b266e72cf76e2d090c1662f

e8ee4a1e3a034a85bec08cefd822151a

c6e20a181e7bcfafecf0946085b04d0f

d05809ee818195be5fc8b18acc850b67

04cc16fa0fe44d3dc6eba492e667355f

258EAFA5-E914-47DA-95CA-C5AB0DC85B11

POSSIBLE SECRETS
619ee9cc2b1a733e2b825ac096659e57
810c84b0d3be0ffe55aa91c92e073117
86120542b9d7bafbc57dd172f59c78cd
c103703e120ae8cc73c9248622f3cd1e
85053bf24bba75239b16a601d9387e17

PLAYSTORE INFORMATION

Title: Wheel-Trans

Score: 0 **Installs:** 1,000+ **Price:** 0 **Android Version Support: Category:** Maps & Navigation **Play Store URL:** ca.ttc.giro

Developer Details: TTCMobile, TTCMobile, None, None, TTCMobileAppAdmin@ttc.ca,

Release Date: Jun 7, 2021 **Privacy Policy:** Privacy link

Description:

The TTC Wheel-Trans specialized transit mobile application offers registered customers the ability to manage the booking of their occasional door-to-door and Family of Services trips. This application is compatible with Android mobile phone devices, allows customers to book and manage upcoming trips, and has features such as "Where's My Ride".

SCAN LOGS

Timestamp	Event	Error

2024-11-17 20:49:15	Generating Hashes	OK
2024-11-17 20:49:15	Extracting APK	OK
2024-11-17 20:49:15	Unzipping	OK
2024-11-17 20:49:15	Getting Hardcoded Certificates/Keystores	OK
2024-11-17 20:49:15	Parsing APK with androguard	OK
2024-11-17 20:49:17	Parsing AndroidManifest.xml	OK
2024-11-17 20:49:17	Extracting Manifest Data	OK
2024-11-17 20:49:17	Performing Static Analysis on: Wheel-Trans (ca.ttc.giro)	OK
2024-11-17 20:49:17	Fetching Details from Play Store: ca.ttc.giro	OK
2024-11-17 20:49:17	Manifest Analysis Started	OK
2024-11-17 20:49:17	Reading Network Security config from network_security_config.xml	OK

2024-11-17 20:49:17	Parsing Network Security config	OK
2024-11-17 20:49:17	Checking for Malware Permissions	OK
2024-11-17 20:49:17	Fetching icon path	OK
2024-11-17 20:49:17	Library Binary Analysis Started	OK
2024-11-17 20:49:17	Reading Code Signing Certificate	OK
2024-11-17 20:49:17	Running APKiD 2.1.5	OK
2024-11-17 20:49:21	Detecting Trackers	OK
2024-11-17 20:49:23	Decompiling APK to Java with JADX	OK
2024-11-17 20:49:40	Converting DEX to Smali	OK
2024-11-17 20:49:40	Code Analysis Started on - java_source	OK
2024-11-17 20:49:49	Android SAST Completed	OK

2024-11-17 20:49:49	Android API Analysis Started	OK
2024-11-17 20:49:52	Android API Analysis Completed	OK
2024-11-17 20:49:52	Android Permission Mapping Started	OK
2024-11-17 20:49:59	Android Permission Mapping Completed	OK
2024-11-17 20:50:05	Email and URL Extraction Completed	OK
2024-11-17 20:50:05	Android Behaviour Analysis Started	OK
2024-11-17 20:50:09	Android Behaviour Analysis Completed	OK
2024-11-17 20:50:10	Extracting String data from APK	OK
2024-11-17 20:50:10	Extracting String data from Code	OK
2024-11-17 20:50:10	Extracting String values and entropies from Code	OK
2024-11-17 20:50:13	Performing Malware check on extracted domains	OK

2024-11-17 20:50:16	Saving to Database	OK

Report Generated by - MobSF v4.1.9

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.