

ANDROID STATIC ANALYSIS REPORT

Fit (2024.11.21.00.arm64-v8a.release)

File Name:	com.google.android.apps.fitness_2026927537.apk		
Package Name:	com.google.android.apps.fitness		
Scan Date:	Aug. 29, 2025, 11:11 p.m.		
App Security Score:	50/100 (MEDIUM RISK)		
Grade:			



兼HIGH	▲ MEDIUM	i INFO	✓ SECURE	[®] H OTSPOT
2	44	2	2	1

FILE INFORMATION

File Name: com.google.android.apps.fitness_2026927537.apk

Size: 38.74MB

MD5: 881247fc862ce812024248409e24831c

SHA1: 53cea857510bd72dce240a2824c80a9a95dd35d8

SHA256: 074809102173549c92ddb63208355a00936daea3aecf7e3095a600d3ff17c1ab

i APP INFORMATION

App Name: Fit

Package Name: com.google.android.apps.fitness

Main Activity: Target SDK: 35 Min SDK: 23 Max SDK:

Android Version Name: 2024.11.21.00.arm64-v8a.release

Android Version Code: 2026927537

EE APP COMPONENTS

Activities: 20 Services: 17 Receivers: 38 Providers: 3

Exported Activities: 9
Exported Services: 3
Exported Receivers: 23

Exported Providers: O

CERTIFICATE INFORMATION

Binary is signed v1 signature: True v2 signature: True v3 signature: False v4 signature: False

X.509 Subject: C=US, ST=CA, L=Mountain View, O=Google, Inc, OU=Google, Inc, CN=Unknown

Signature Algorithm: rsassa_pkcs1v15 Valid From: 2008-12-02 02:07:58+00:00 Valid To: 2036-04-19 02:07:58+00:00

Issuer: C=US, ST=CA, L=Mountain View, O=Google, Inc, OU=Google, Inc, CN=Unknown

Serial Number: 0x4934987e Hash Algorithm: md5

md5: d046fc5d1fc3cd0e57c5444097cd5449

sha1: 24bb24c05e47e0aefa68a58a766179d9b613a600

sha256: 3d7a1223019aa39d9ea0e3436ab7c0896bfb4fb679f4de5fe7c23f326c8f994a

sha512: 696a69f617980d711da35cce1fe6bddf2f3b76714d51758c5d1cef8f28eb3033371561c693c0819a57d07391a8cde08c99c92688c962252ffab21297e2df8e8e

PublicKey Algorithm: rsa

Bit Size: 1024

Fingerprint: 516ad3a6ae407da983ae7fd992217217ef8b7959a0d1711546a7dcc67f8e7460

Found 1 unique certificates

: APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
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_BACKGROUND_LOCATION	dangerous	access location in background	Allows an app to access location in the background.

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.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
android.permission.FOREGROUND_SERVICE_SPECIAL_USE	normal	enables special-use foreground services.	Allows a regular application to use Service.startForeground with the type "specialUse".
android.permission.FOREGROUND_SERVICE_LOCATION	normal	allows foreground services with location use.	Allows a regular application to use Service.startForeground with the type "location".
android.permission.GET_ACCOUNTS	dangerous	list accounts	Allows access to the list of accounts in the Accounts Service.
android.permission.MANAGE_ACCOUNTS	dangerous	manage the accounts list	Allows an application to perform operations like adding and removing accounts and deleting their password.
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.READ_SYNC_SETTINGS	normal	read sync settings	Allows an application to read the sync settings, such as whether sync is enabled for Contacts.
android.permission.READ_SYNC_STATS	normal	read sync statistics	Allows an application to read the sync stats; e.g. the history of syncs that have occurred.
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
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.
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.

PERMISSION	STATUS	INFO	DESCRIPTION
com.google.android.providers.gsf.permission.READ_GSERVICES	unknown	Unknown permission	Unknown permission from android reference
android.permission.GET_PACKAGE_SIZE	normal	measure application storage space	Allows an application to find out the space used by any package.
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
com.google.android.gms.permission.ACTIVITY_RECOGNITION	dangerous	allow application to recognize physical activity	Allows an application to recognize physical activity.
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.QUERY_ALL_PACKAGES	normal	enables querying any normal app on the device.	Allows query of any normal app on the device, regardless of manifest declarations.
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
android.permission.health.READ_BASAL_METABOLIC_RATE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_BLOOD_GLUCOSE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_BLOOD_PRESSURE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_BODY_FAT	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_BODY_TEMPERATURE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_DISTANCE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_EXERCISE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_HEART_RATE	unknown	Unknown permission	Unknown permission from android reference

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.health.READ_HEIGHT	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_HYDRATION	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_NUTRITION	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_OXYGEN_SATURATION	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_POWER	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_RESPIRATORY_RATE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_SLEEP	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_SPEED	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_STEPS	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_TOTAL_CALORIES_BURNED	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.READ_WEIGHT	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_BASAL_METABOLIC_RATE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_BLOOD_GLUCOSE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_BLOOD_PRESSURE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_BODY_FAT	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_BODY_TEMPERATURE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_DISTANCE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_EXERCISE	unknown	Unknown permission	Unknown permission from android reference

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.health.WRITE_HEART_RATE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_HEIGHT	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_HYDRATION	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_NUTRITION	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_OXYGEN_SATURATION	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_POWER	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_RESPIRATORY_RATE	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_SLEEP	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_SPEED	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_STEPS	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_TOTAL_CALORIES_BURNED	unknown	Unknown permission	Unknown permission from android reference
android.permission.health.WRITE_WEIGHT	unknown	Unknown permission	Unknown permission from android reference
android.permission.ACTIVITY_RECOGNITION	dangerous	allow application to recognize physical activity	Allows an application to recognize physical activity.



FILE	DETAILS				
	FINDINGS	DETAILS			
881247fc862ce812024248409e24831c.apk	Anti Disassembly Code	Anti Disassembly Code			
	FINDINGS	DETAILS			
classes.dex	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check		heck CTURER check T check RE check		
	Anti Debug Code Debug.isDebugge		ggerConnected() check		
	Compiler r8 without man		ker (suspicious)		
	Anti Disassembly Code	me			
	FINDINGS DETAIL				
classes2.dex	Anti-VM Code Build.l		Build.FINGERPRINT check Build.MANUFACTURER check Build.HARDWARE check Build.TAGS check		
	Compiler r8		r8 without marker (suspicious)		
	Anti Disassembly Code	illegal clas	illegal class name		

FILE	DETAILS		
	FINDINGS	DETAILS	
classes3.dex	Compiler	r8 without marker (suspicious)	

△ NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION
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CERTIFICATE ANALYSIS

HIGH: 1 | 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.
Certificate algorithm vulnerable to hash collision	high	Application is signed with MD5. MD5 hash algorithm is known to have collision issues.

Q MANIFEST ANALYSIS

HIGH: 1 | WARNING: 35 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable unpatched 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.
2	Activity (com.google.android.apps.fitness.ahp.ui.AhpConnectActivity) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.apps.healthdata.permission.START_ONBOARDING [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. 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.
3	Activity (com.google.android.apps.fitness.ahp.ui.PermissionsRationaleActivity) 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.

NO	ISSUE	SEVERITY	DESCRIPTION
4	Activity-Alias (com.google.android.apps.fitness.ahp.ui.ViewPermissionUsageActivity) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.START_VIEW_PERMISSION_USAGE [android:exported=true]	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. 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.
5	Service (com.google.android.apps.fitness.data.profile.impl.UploadFitProfileJobService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]		A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
6	Broadcast Receiver (com.google.android.apps.fitness.gcore.subscriptionrefresh.ScheduleSubscriptionRefreshJobOnUpgrade_Receiver) is not Protected. [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.
7	Broadcast Receiver (com.google.android.apps.fitness.gcore.subscriptionrefresh.ScheduleSubscriptionRefreshJobOnBoot_Receiver) is not Protected. [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.

NO	ISSUE	SEVERITY	DESCRIPTION
8	Broadcast Receiver (com.google.android.apps.fitness.home.goalpopup.notification.OnAppUpgradedListener_Receiver) is not Protected. [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.
9	Broadcast Receiver (com.google.android.apps.fitness.shared.account.griffinusersupport.GriffinRefreshReceiver_Receiver) is not Protected. [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.
10	Activity (com.google.android.apps.fitness.shared.container.MainActivity) 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.
11	Activity-Alias (com.google.android.apps.fitness.welcome.WelcomeActivity) is not Protected. [android:exported=true]	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
12	Broadcast Receiver (com.google.android.apps.fitness.shared.notifications.UpdateNotificationChannelsListener_Receiver) is not Protected. [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.
13	Broadcast Receiver (com.google.android.apps.fitness.shared.notifications.settingslog.NotificationSettingsLogger_Receiver) is not Protected. [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.
14	Broadcast Receiver (com.google.android.apps.fitness.shared.sync.receiver.PlatformSyncListener_Receiver) is not Protected. [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.
15	Broadcast Receiver (com.google.android.apps.fitness.v2.widget.renderer.WidgetClickReceiver_Receiver) is not Protected. [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.

NO	ISSUE	SEVERITY	DESCRIPTION
16	Broadcast Receiver (com.google.android.apps.fitness.v2.widget.HaloAppWidgetProvider) is not Protected. [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.
17	Broadcast Receiver (com.google.android.apps.fitness.v2.widget.MetricsAppWidgetProvider) is not Protected. [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.
18	Broadcast Receiver (com.google.android.apps.fitness.v2.widget.SingleMetricAppWidgetProvider) is not Protected. [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.
19	Broadcast Receiver (com.google.android.libraries.internal.growth.growthkit.internal.debug.TestingToolsBroadcastReceiver) is not Protected. [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.
20	Broadcast Receiver (com.google.android.libraries.notifications.platform.entrypoints.accountchanged.AccountChangedReceiver) is not Protected. [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.
21	Broadcast Receiver (com.google.android.libraries.notifications.platform.entrypoints.localechanged.LocaleChangedReceiver) is not Protected. [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.

NO	ISSUE	SEVERITY	DESCRIPTION
22	Broadcast Receiver (com.google.android.libraries.notifications.platform.entrypoints.push.PushReceiver) 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.
23	Broadcast Receiver (com.google.android.libraries.notifications.platform.entrypoints.restart.RestartReceiver) is not Protected. [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.
24	Broadcast Receiver (com.google.android.libraries.notifications.platform.entrypoints.timezonechanged.TimezoneChangedReceiver) is not Protected. [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.
25	Broadcast Receiver (com.google.android.libraries.notifications.platform.entrypoints.update.UpdateReceiver) is not Protected. [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.
26	Broadcast Receiver (com.google.android.libraries.phenotype.client.stable.AccountRemovedBroadcastReceiver) is not Protected. [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.

NO	ISSUE	SEVERITY	DESCRIPTION
27	Broadcast Receiver (com.google.android.libraries.phenotype.client.stable.PhenotypeUpdateBackgroundBroadcastReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.gms.permission.PHENOTYPE_UPDATE_BROADCAST [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.
28	Activity (com.google.android.libraries.social.licenses.LicenseMenuActivity) 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.
29	Broadcast Receiver (com.google.apps.tiktok.account.data.device.DeviceAccountsChangedReceiver_Receiver) is not Protected. [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.
30	Broadcast Receiver (com.google.apps.tiktok.experiments.phenotype.ConfigurationUpdatedReceiver_Receiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.gms.permission.PHENOTYPE_UPDATE_BROADCAST [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
31	Activity (com.google.apps.tiktok.nav.gateway.GatewayActivity) 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.
32	Activity-Alias (com.google.android.apps.fitness.shared.gateway.FitGateway) is not Protected. [android:exported=true]	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
33	Activity-Alias (com.google.android.apps.fitness.shared.gateway.FitPermissionIntentGateway) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.START_VIEW_PERMISSION_USAGE [android:exported=true]	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. 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.
34	Service (androidx.work.impl.background.systemjob.SystemJobService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]	warning	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

NO	ISSUE	SEVERITY	DESCRIPTION
35	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.
36	Service (androidx.health.platform.client.impl.sdkservice.HealthDataSdkService) is not Protected. [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.

</> CODE ANALYSIS

HIGH: 0 | WARNING: 7 | INFO: 2 | SECURE: 1 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				defpackage/aac.java defpackage/aak.java defpackage/af.java defpackage/ags.java defpackage/ahb.java defpackage/ahl.java defpackage/aie.java defpackage/aiu.java defpackage/ajk.java defpackage/aka.java defpackage/aod.java defpackage/aog.java

NO	ISSUE	SEVERITY	STANDARDS	defpackage/aoi.java FILFS d e fpackage/aos.java
				defpackage/apb.java
				defpackage/apj.java
				defpackage/apm.java
				defpackage/aps.java
				defpackage/apv.java
				defpackage/aqh.java
				defpackage/aql.java
				defpackage/aqm.java
				defpackage/aqn.java
				defpackage/aqo.java
				defpackage/agr.java
				defpackage/agr.java
				defpackage/aqu.java
				defpackage/arj.java
				defpackage/asi.java
				defpackage/ato.java
				defpackage/aty.java
				defpackage/au.java
				defpackage/auv.java
				defpackage/ax.java
				defpackage/axx.java
				defpackage/axz.java
				defpackage/ay.java
				defpackage/bft.java
				defpackage/bit.java
				defpackage/bj.java
				defpackage/bkx.java
				defpackage/blf.java
				defpackage/blj.java
				defpackage/blx.java
				defpackage/bpd.java
				defpackage/bqd.java
				defpackage/bsd.java
				defpackage/btc.java
				defpackage/btn.java
				defpackage/bts.java
				defpackage/bwi.java
				defpackage/bws.java
				defpackage/bzb.java
				defpackage/bzh.java
				defpackage/ccx.java
				defpackage/clw.java
				defpackage/cnj.java
				defpackage/cnx.java

O	ISSUE	SEVERITY	STANDARDS	defpackage/co.java
				defpackage/csp.java
				defpackage/csz.java
				defpackage/ctv.java
				defpackage/cwf.java
				defpackage/cwm.java
				defpackage/cx.java
				defpackage/cxn.java
				defpackage/cxs.java
				defpackage/cyt.java
				defpackage/cyv.java
				defpackage/czo.java
				defpackage/d.java
				defpackage/deh.java
				defpackage/der.java
				defpackage/dfi.java
				defpackage/dfv.java
				defpackage/egc.java
				defpackage/eil.java
				defpackage/eo.java
				defpackage/ewk.java
				defpackage/fbc.java
				defpackage/ff.java
				defpackage/fkt.java
				defpackage/fuy.java
				defpackage/fwp.java
				defpackage/fxz.java
				defpackage/gaq.java
				defpackage/gil.java
				defpackage/gkb.java
				defpackage/gog.java
				defpackage/gvg.java
				defpackage/gvh.java
				defpackage/gyx.java
				defpackage/gzg.java
				defpackage/gzm.java
				defpackage/had.java
				defpackage/hag.java
				defpackage/hax.java
				defpackage/hay.java
				defpackage/hb.java
				defpackage/hbk.java
				defpackage/hbl.java
				defpackage/hbo.java
				defpackage/hbp.java

				defpackage/hbq.java
NO	ISSUE	SEVERITY	STANDARDS	Feffe kage/hbr.java
				defpackage/hby.java
				defpackage/hbz.java
				defpackage/hc.java
				defpackage/hck.java
				defpackage/hcn.java
				defpackage/hcr.java
				defpackage/hcs.java
				defpackage/hdf.java
				defpackage/hdv.java
				defpackage/hek.java
				defpackage/hep.java
				defpackage/hfc.java
				defpackage/hfg.java
				defpackage/hfj.java
				defpackage/hfo.java defpackage/hft.java
				defpackage/hfw.java
				defpackage/hhf.java
				defpackage/hhk.java
				defpackage/hhm.java
				defpackage/hhq.java
				defpackage/hhw.java
				defpackage/hhx.java
				defpackage/hia.java
				defpackage/hid.java
				defpackage/hii.java
				defpackage/hik.java
				defpackage/hji.java
				defpackage/hjn.java
				defpackage/hjp.java
				defpackage/hkd.java
				defpackage/hkg.java
				defpackage/hkn.java
				defpackage/hkv.java
				defpackage/hkw.java
				defpackage/hlb.java
	The App logs information. Sensitive		CWE: CWE-532: Insertion of Sensitive Information into Log File	defpackage/hlk.java
1	information should never be logged.	info	OWASP MASVS: MSTG-STORAGE-3	defpackage/htr.java
				defpackage/hu.java
				defpackage/hum.java
				defpackage/hzb.java
				defpackage/hzk.java
				defpackage/hzm.java
				defpackage/hzo.java

				deтраскаде/nzp.java
NO	ISSUE	SEVERITY	STANDARDS	ተ ዋርμ ες kage/iax.java
				defpackage/icp.java
				defpackage/idc.java
				defpackage/idm.java
				defpackage/iec.java
				defpackage/ied.java
				defpackage/ief.java
				defpackage/ifz.java
				defpackage/ihw.java
				defpackage/ijz.java
				defpackage/ikj.java
				defpackage/ilw.java
				defpackage/ily.java
				defpackage/inf.java
				defpackage/ipq.java
				defpackage/ipr.java
				defpackage/ips.java
				defpackage/iqf.java
				defpackage/irb.java
				defpackage/iud.java
				defpackage/iue.java
				defpackage/iui.java
				defpackage/iun.java
				defpackage/jhz.java
				defpackage/jup.java
				defpackage/jv.java
				defpackage/jzl.java
				defpackage/kk.java
				defpackage/kmf.java
				defpackage/kni.java
				defpackage/knp.java
				defpackage/kod.java
				defpackage/kof.java
				defpackage/kot.java
				defpackage/kvc.java
				defpackage/kvs.java
				defpackage/kzf.java
				defpackage/lag.java
				defpackage/lam.java
				defpackage/ldv.java
				defpackage/lif.java
				defpackage/lil.java
				defpackage/lim.java
				defpackage/liu.java
				defpackage/liv.java

				uerpackage/nvv.java
NO	ISSUE	SEVERITY	STANDARDS	defpackage/lix.java defpackage/liy.java
				defpackage/ljc.java
				defpackage/lkd.java
				defpackage/lki.java
				defpackage/lkk.java
				defpackage/lkt.java
				defpackage/lkv.java
				defpackage/lll.java
				defpackage/llq.java
				defpackage/lpr.java
				defpackage/lpu.java
				defpackage/lpv.java
				defpackage/lpw.java
				defpackage/lsu.java
				defpackage/lul.java
				defpackage/lun.java
				defpackage/lur.java
				defpackage/luw.java
				defpackage/luz.java
				defpackage/lv.java
				defpackage/lvd.java
				defpackage/lvi.java
				defpackage/lvk.java
				defpackage/lvl.java
				defpackage/lvs.java
				defpackage/lvt.java
				defpackage/lwh.java
				defpackage/lwj.java
				defpackage/lwl.java
				defpackage/lwo.java
				defpackage/lwr.java
				defpackage/lxa.java
				defpackage/lxk.java
				defpackage/lyi.java
				defpackage/mal.java
				defpackage/mal.java
				defpackage/mfp.java
				defpackage/mga.java
				defpackage/mig.java
				defpackage/mjg.java defpackage/mkk.java
				defpackage/ml.java
				defpackage/mlg.java
				defpackage/mpb.java
i l	l l			defnackage/mv.iava

NO	ISSUE	SEVERITY	STANDARDS	defpackage/mx.java EILES defpackage/mxz.java
				defpackage/nb.java
				defpackage/nbl.java
				defpackage/ne.java
				defpackage/nf.java
				defpackage/nge.java
				defpackage/ngr.java
				defpackage/ngt.java
				defpackage/nh.java
				defpackage/nhg.java
				defpackage/nip.java
				defpackage/nji.java
				defpackage/nkv.java
				defpackage/nnf.java
				defpackage/nr.java
				defpackage/nsj.java
				defpackage/nvc.java
				defpackage/nyl.java
				defpackage/oc.java
				defpackage/opi.java
				defpackage/osh.java
				defpackage/osq.java
				defpackage/osu.java
				defpackage/ota.java
				defpackage/oua.java
				defpackage/pda.java
				defpackage/peq.java
				defpackage/pfi.java
				defpackage/pgz.java
				defpackage/pha.java
				defpackage/phr.java
				defpackage/phv.java
				defpackage/pmi.java
				defpackage/pwm.java
				defpackage/pxj.java
				defpackage/pyo.java
				defpackage/qy.java
				defpackage/ruw.java
				defpackage/sbh.java
				defpackage/spr.java
				defpackage/spw.java
				defpackage/sqh.java
				defpackage/ye.java
				defpackage/yu.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
2	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	defpackage/dfi.java defpackage/ecq.java defpackage/ent.java defpackage/ftj.java defpackage/ftj.java defpackage/ftj.java defpackage/icc.java defpackage/iwm.java defpackage/kyw.java defpackage/kyw.java defpackage/lfa.java defpackage/lga.java defpackage/lha.java defpackage/lhh.java defpackage/lhh.java defpackage/msh.java defpackage/mvh.java defpackage/noa.java defpackage/no.java defpackage/rqn.java defpackage/rqn.java defpackage/rqn.java defpackage/rya.java defpackage/sbs.java defpackage/sbs.java defpackage/sbu.java defpackage/sby.java j\$/util/concurrent/ThreadLocalRa ndom.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
3	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	defpackage/ax.java defpackage/hlb.java defpackage/inf.java defpackage/phs.java
4	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	defpackage/ced.java defpackage/cpo.java defpackage/cqy.java defpackage/crt.java defpackage/csb.java defpackage/fky.java defpackage/kbx.java defpackage/kdf.java defpackage/lds.java defpackage/llc.java defpackage/naf.java defpackage/ncx.java defpackage/npe.java defpackage/pg.java defpackage/pg.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	defpackage/hjj.java defpackage/kiz.java defpackage/lvk.java defpackage/pgz.java defpackage/phr.java
6	This App may have root detection capabilities.	secure	OWASP MASVS: MSTG-RESILIENCE-1	defpackage/juu.java defpackage/lim.java defpackage/mpa.java
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	defpackage/btk.java defpackage/laa.java defpackage/lef.java defpackage/ltd.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
8	MD5 is a weak hash known to have hash collisions.	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	defpackage/lua.java defpackage/peh.java defpackage/sqw.java
9	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	defpackage/bov.java
10	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	defpackage/lqe.java

> SHARED LIBRARY BINARY ANALYSIS

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
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NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
1	arm64- v8a/libvisual_ppg_processor_native.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
2	arm64-v8a/libsurface_util_jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
3	arm64- v8a/libimage_processing_util_jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['memcpy_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
4	arm64- v8a/libvisual_ppg_processor_native.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
5	arm64-v8a/libsurface_util_jni.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
6	arm64- v8a/libimage_processing_util_jni.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['_memcpy_chk']	True info Symbols are stripped.

■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
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BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
00036	Get resource file from res/raw directory	reflection	defpackage/blh.java defpackage/ctv.java defpackage/hca.java defpackage/ikj.java defpackage/kot.java defpackage/ldv.java defpackage/lef.java defpackage/lio.java defpackage/lvk.java defpackage/nmw.java
00128	Query user account information	collection account	defpackage/fuy.java defpackage/kak.java defpackage/kal.java
00063	Implicit intent(view a web page, make a phone call, etc.)	control	defpackage/blh.java defpackage/dfg.java defpackage/dfg.java defpackage/dtl.java defpackage/eva.java defpackage/fcp.java defpackage/fkv.java defpackage/fwh.java defpackage/ggy.java defpackage/ggw.java defpackage/gog.java defpackage/jog.java defpackage/hca.java defpackage/jol.java defpackage/jol.java defpackage/jol.java defpackage/jol.java defpackage/kot.java defpackage/kot.java defpackage/ldn.java defpackage/ldv.java defpackage/ldv.java defpackage/ldv.java defpackage/lsv.java defpackage/lsv.java defpackage/lsv.java defpackage/lsv.java defpackage/lsv.java defpackage/lsv.java defpackage/lsv.java defpackage/lsv.java

RULE ID	BEHAVIOUR	LABEL	FILES
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	defpackage/blh.java defpackage/blj.java defpackage/fcp.java defpackage/fcp.java defpackage/fkv.java defpackage/ggy.java defpackage/gog.java defpackage/gwe.java defpackage/hca.java defpackage/hca.java defpackage/kot.java
00065	Get the country code of the SIM card provider	collection	defpackage/fya.java
00132	Query The ISO country code	telephony collection	defpackage/fya.java
00079	Hide the current app's icon	evasion	defpackage/cgc.java defpackage/ddx.java
00022	Open a file from given absolute path of the file	file	defpackage/ax.java defpackage/bqg.java defpackage/cho.java defpackage/ewk.java defpackage/lqe.java defpackage/ltd.java defpackage/mto.java

RULE ID	BEHAVIOUR	LABEL	FILES
00013	Read file and put it into a stream	file	defpackage/ahb.java defpackage/aqn.java defpackage/aqo.java defpackage/ay.java defpackage/cho.java defpackage/cor.java defpackage/cph.java defpackage/cph.java defpackage/cpi.java defpackage/ifl.java defpackage/ifl.java defpackage/ifl.java defpackage/lim.java defpackage/mvi.java defpackage/mvi.java defpackage/mp.java defpackage/ps.java defpackage/spc.java defpackage/spc.java defpackage/spc.java
00096	Connect to a URL and set request method	command network	defpackage/cho.java defpackage/phv.java defpackage/spy.java
00072	Write HTTP input stream into a file	command network file	defpackage/cho.java
00024	Write file after Base64 decoding	reflection file	defpackage/cho.java
00089	Connect to a URL and receive input stream from the server	command network	defpackage/cho.java defpackage/cqh.java defpackage/phv.java defpackage/spy.java

RULE ID	BEHAVIOUR	LABEL	FILES
00030	Connect to the remote server through the given URL	network	defpackage/cho.java defpackage/cqh.java defpackage/spy.java
00109	Connect to a URL and get the response code	network command	defpackage/cho.java defpackage/cqh.java defpackage/phv.java defpackage/spy.java
00094	Connect to a URL and read data from it	command network	defpackage/cho.java defpackage/spy.java
00108	Read the input stream from given URL	network command	defpackage/cho.java defpackage/spy.java
00014	Read file into a stream and put it into a JSON object	file	defpackage/mvh.java defpackage/phs.java
00091	Retrieve data from broadcast	collection	defpackage/cce.java defpackage/jsx.java defpackage/nmw.java defpackage/pvw.java
00075	Get location of the device	collection location	defpackage/ajv.java
00137	Get last known location of the device	location collection	defpackage/ajv.java
00187	Query a URI and check the result	collection sms calllog calendar	defpackage/lif.java
00012	Read data and put it into a buffer stream	file	defpackage/axz.java

***: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	9/25	android.permission.ACCESS_NETWORK_STATE, android.permission.ACCESS_COARSE_LOCATION, android.permission.ACCESS_FINE_LOCATION, android.permission.GET_ACCOUNTS, android.permission.INTERNET, android.permission.WAKE_LOCK, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.VIBRATE, android.permission.CAMERA
Other Common Permissions	5/44	android.permission.ACCESS_BACKGROUND_LOCATION, android.permission.FOREGROUND_SERVICE, com.google.android.c2dm.permission.RECEIVE, com.google.android.gms.permission.ACTIVITY_RECOGNITION, android.permission.ACTIVITY_RECOGNITION

Malware Permissions:

Top permissions that are widely abused by known malware.

Other Common Permissions:

Permissions that are commonly abused by known malware.

• OFAC SANCTIONED COUNTRIES

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

DOMAIN	COUNTRY/REGION
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Q DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
ssl.gstatic.com	ok	IP: 142.250.217.131 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
support.google.com	ok	IP: 64.233.177.139 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.tensorflow.org	ok	IP: 64.233.176.102 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
plus.google.com	ok	IP: 64.233.185.138 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
issuetracker.google.com	ok	IP: 64.233.177.101 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
play.google.com	ok	IP: 172.253.124.100 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.who.int	ok	IP: 192.133.11.1 Country: United States of America Region: Massachusetts City: Lexington Latitude: 42.445580 Longitude: -71.236221 View: Google Map
github.com	ok	IP: 140.82.112.4 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
firebase.google.com	ok	IP: 142.250.9.101 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
dev-notifications-pa.corp.googleapis.com	ok	IP: 74.125.21.129 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.heart.org	ok	IP: 104.18.26.158 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
developer.android.com	ok	IP: 64.233.176.113 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
android.googlesource.com	ok	IP: 74.125.138.82 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.google.com	ok	IP: 142.251.15.105 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
staging-notifications-pa.sandbox.googleapis.com	ok	IP: 64.233.176.81 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
accounts.google.comhlscolor	ok	No Geolocation information available.
staging-qual-qa-notifications-pa.sandbox.googleapis.com	ok	IP: 142.251.15.81 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
signaler-pa.googleapis.com	ok	IP: 142.250.105.95 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.youtube.com	ok	IP: 142.250.9.136 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
autopush-notifications-pa.sandbox.googleapis.com	ok	IP: 172.217.215.81 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
notifications-pa.googleapis.com	ok	IP: 142.251.15.95 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
accounts.google.com	ok	IP: 172.217.215.84 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
autopush-qual-playground-notifications-pa.sandbox.googleapis.com	ok	IP: 64.233.185.81 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
staging-qual-oauthintegrations.sandbox.googleapis.com	ok	IP: 173.194.219.81 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
policies.google.com	ok	IP: 172.253.124.101 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.gstatic.com	ok	IP: 64.233.177.94 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

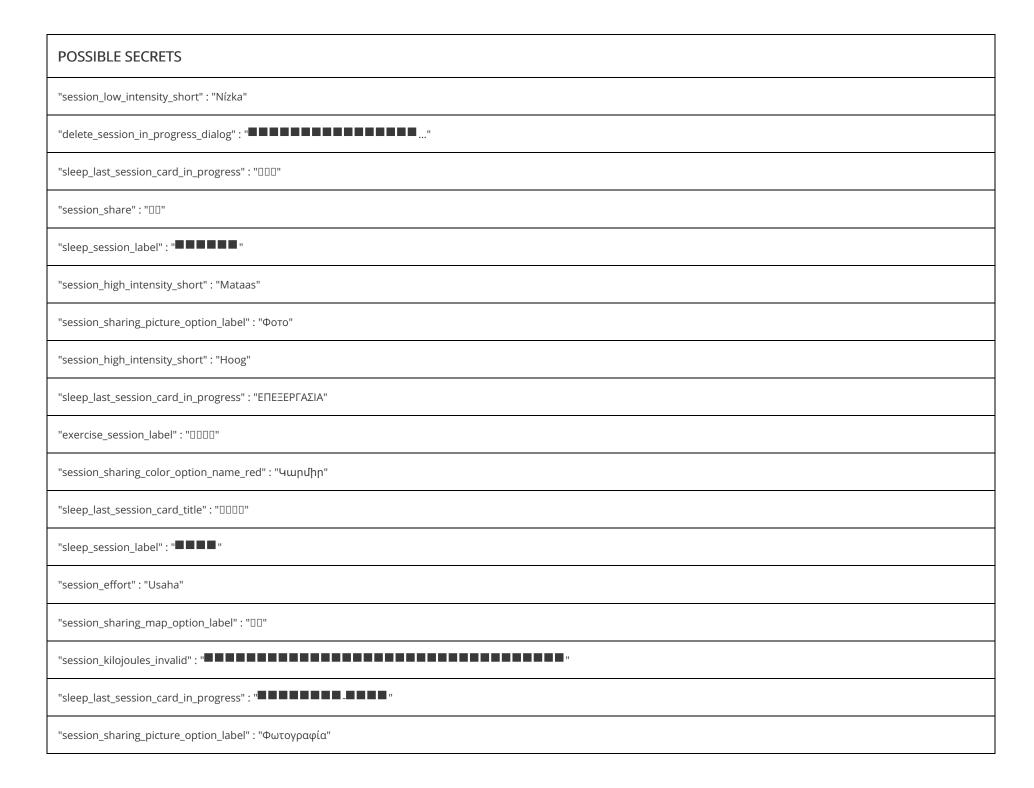
DOMAIN	STATUS	GEOLOCATION
aasm.org	ok	IP: 141.193.213.11 Country: United States of America Region: Texas City: Austin Latitude: 30.271158 Longitude: -97.741699 View: Google Map
ns.adobe.com	ok	No Geolocation information available.
0.client-channel.google.com	ok	IP: 142.250.9.189 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.googleapis.com	ok	IP: 64.233.176.95 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
lh3.googleusercontent.com	ok	IP: 172.217.215.132 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
schemas.android.com	ok	No Geolocation information available.

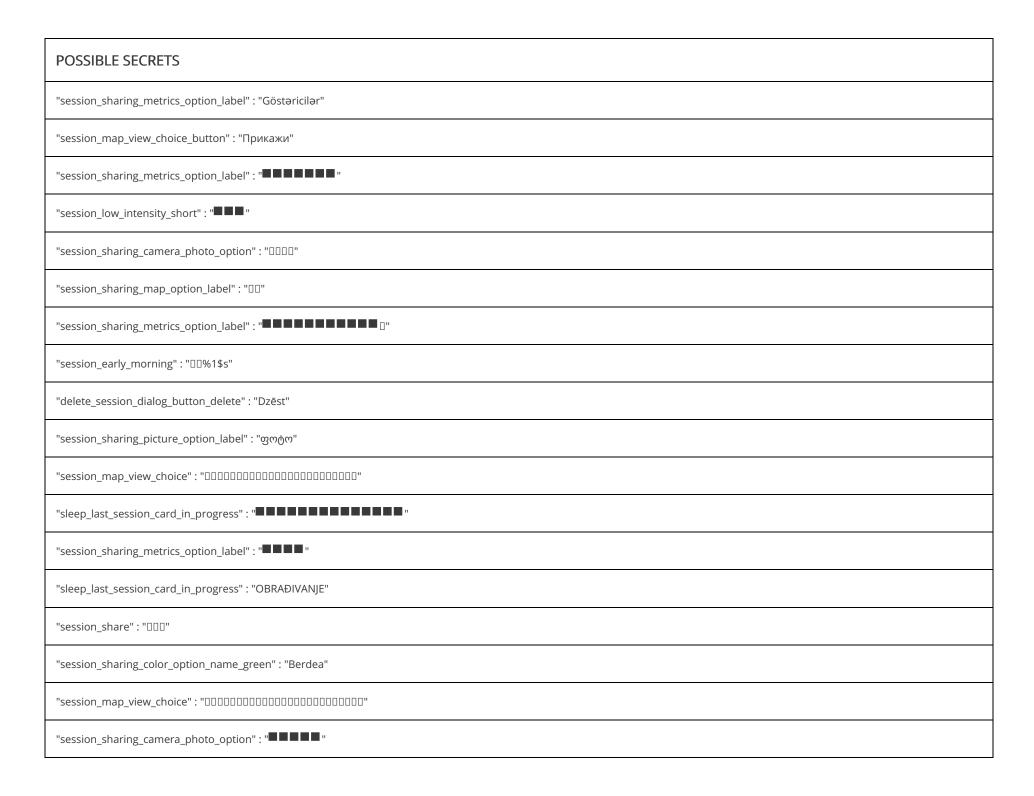
DOMAIN	STATUS	GEOLOCATION
myaccount.google.com	ok	IP: 64.233.185.84 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

EMAILS

EMAIL	FILE
u0013android@android.com0 u0013android@android.com	defpackage/hcg.java
builder-pool-fitness@lfvf38.prod	lib/arm64-v8a/libvisual_ppg_processor_native.so
builder-pool-fitness@lfvf38.prod	apktool_out/lib/arm64-v8a/libvisual_ppg_processor_native.so

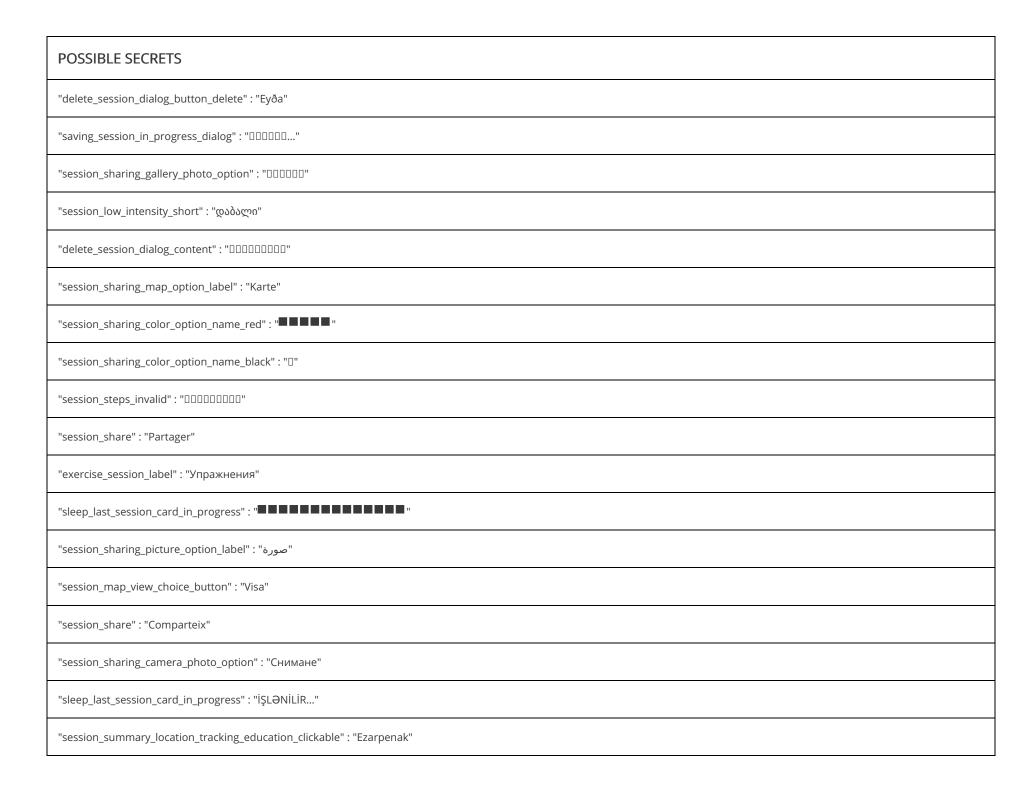
₽ HARDCODED SECRETS

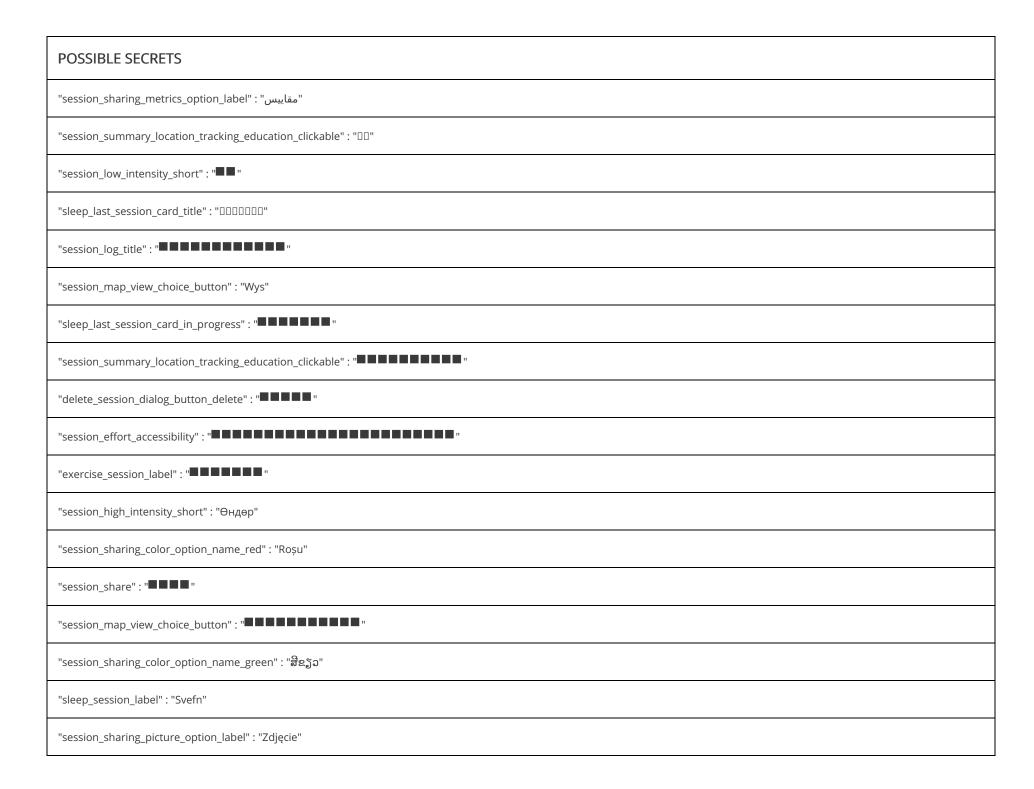




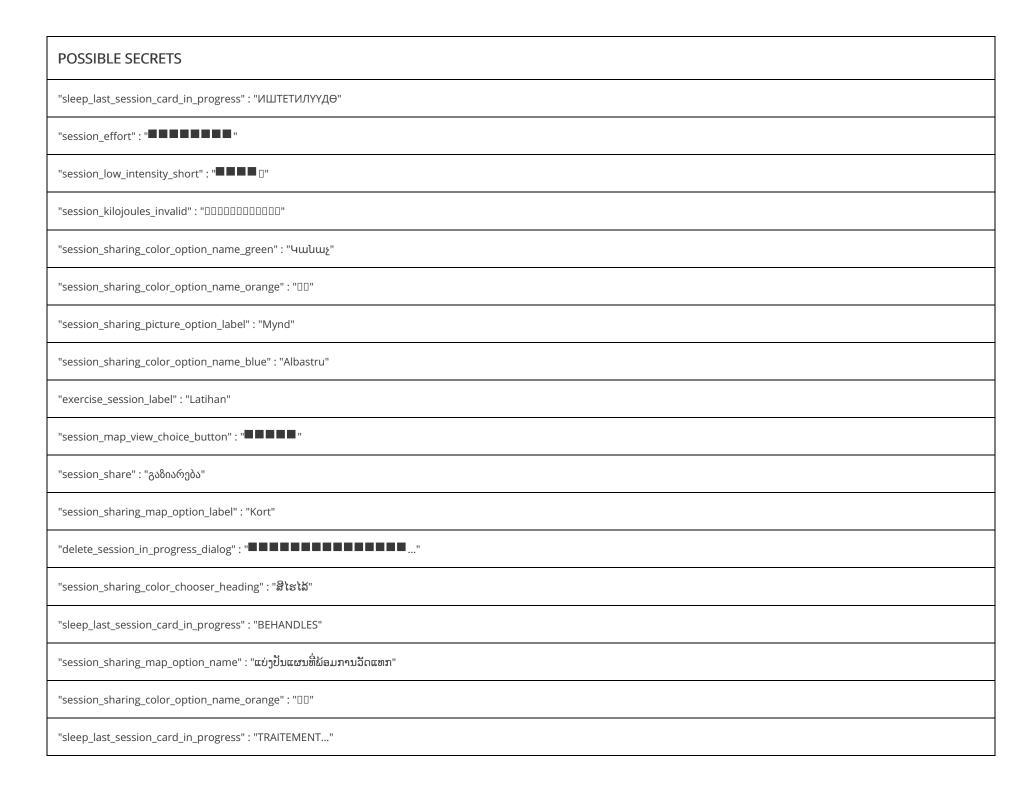






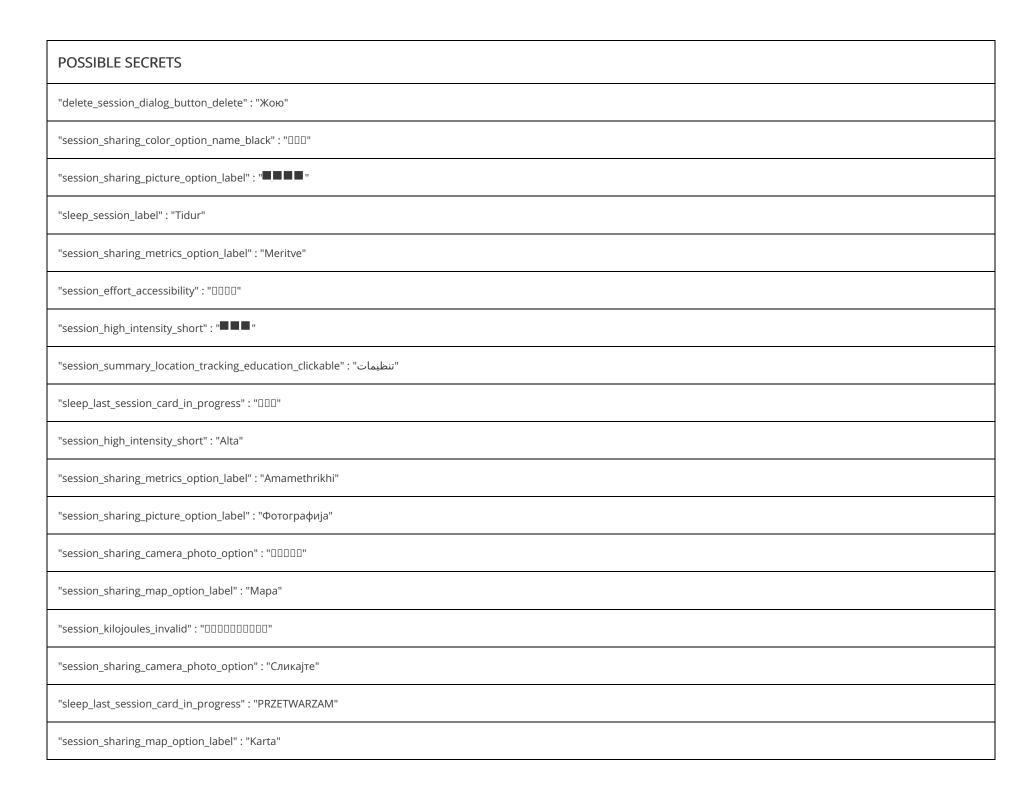






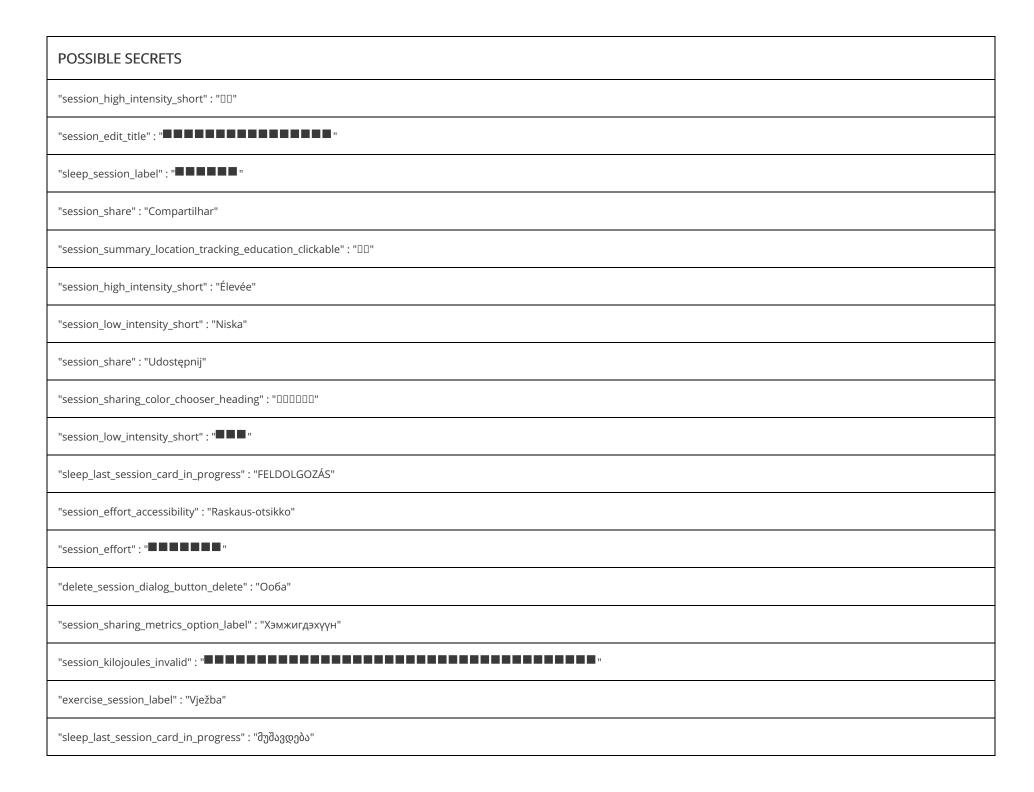






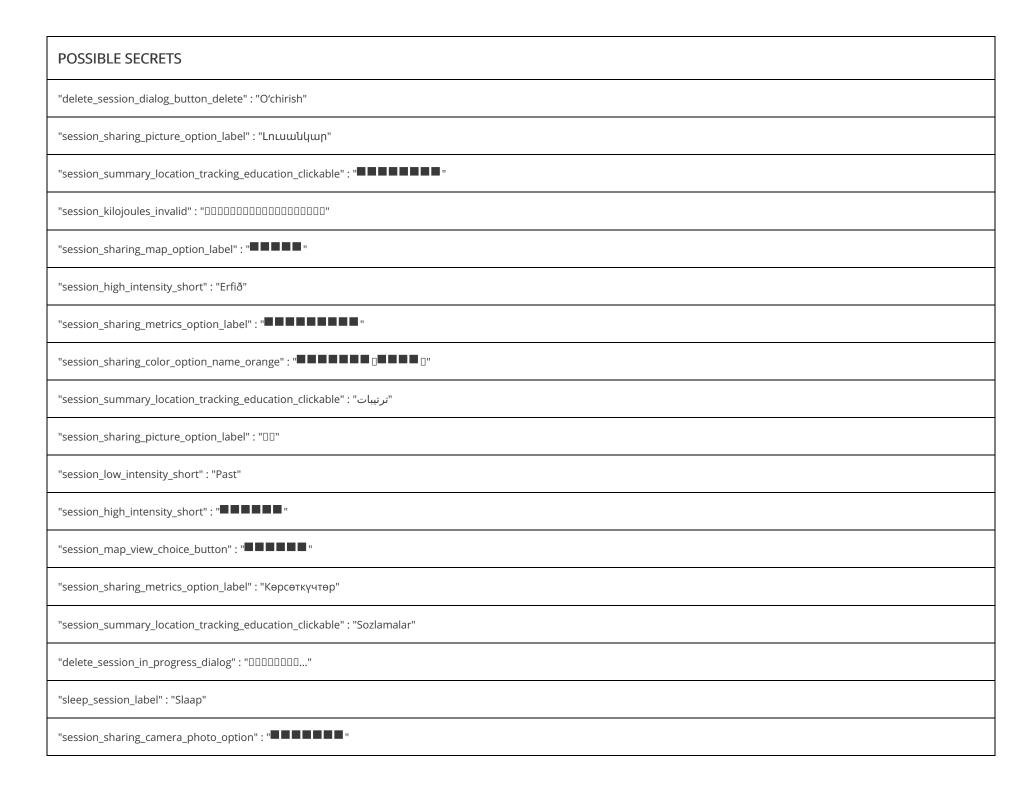


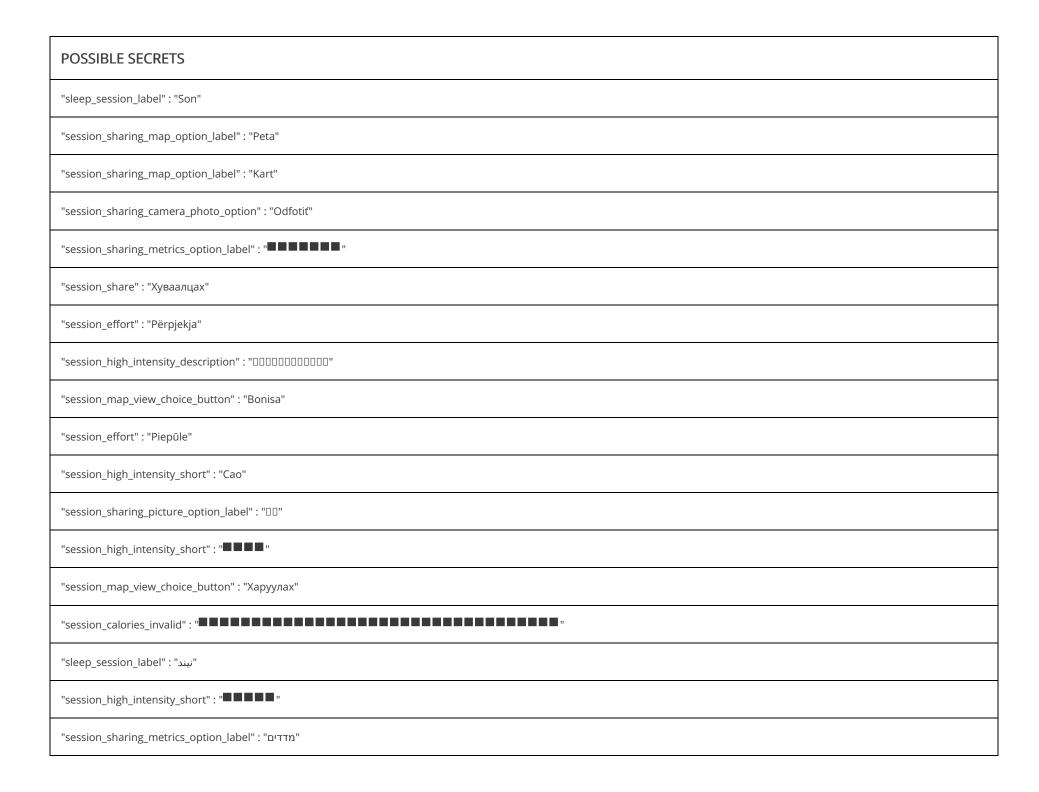


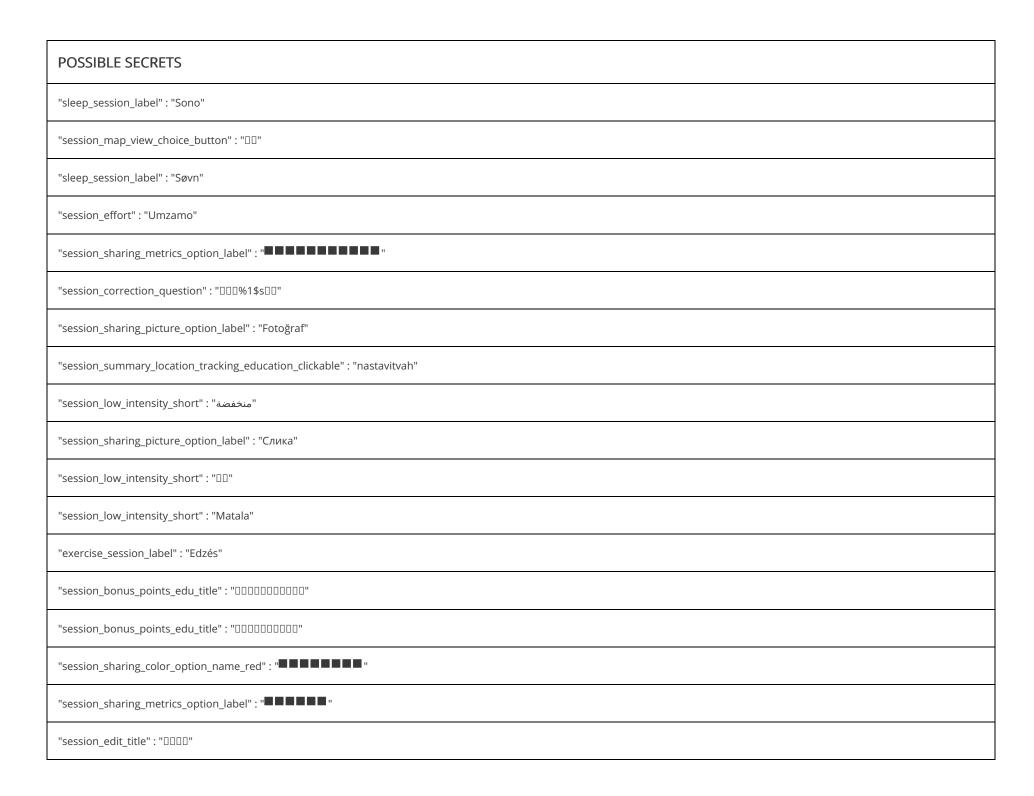




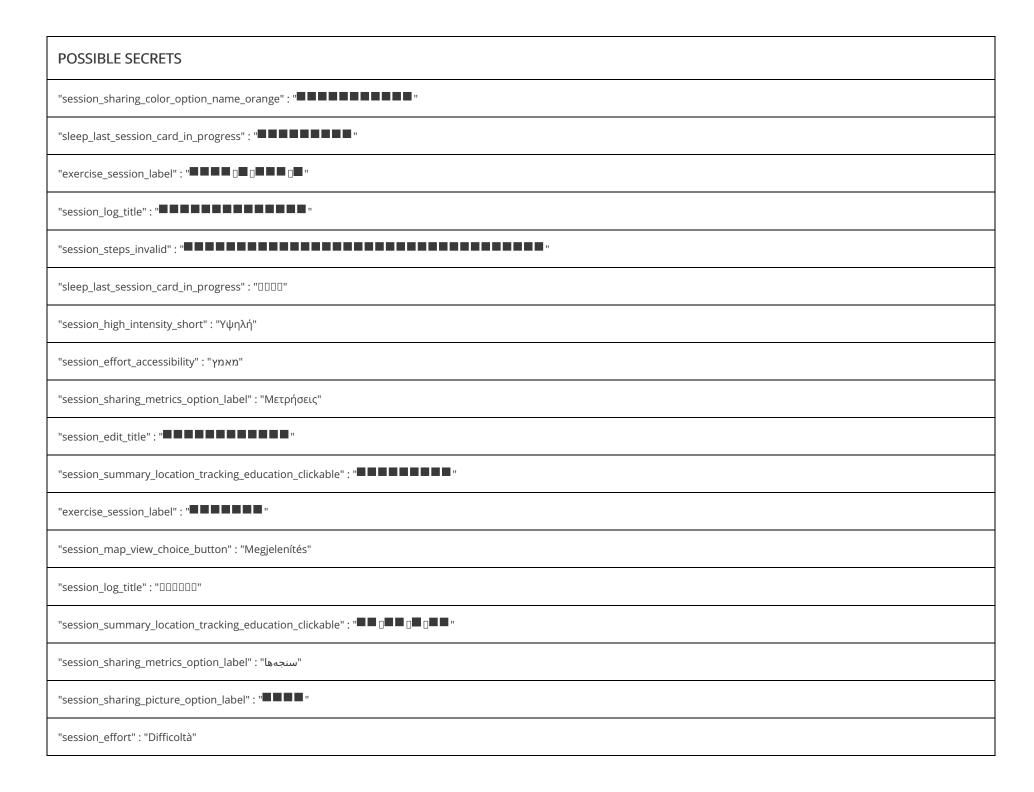










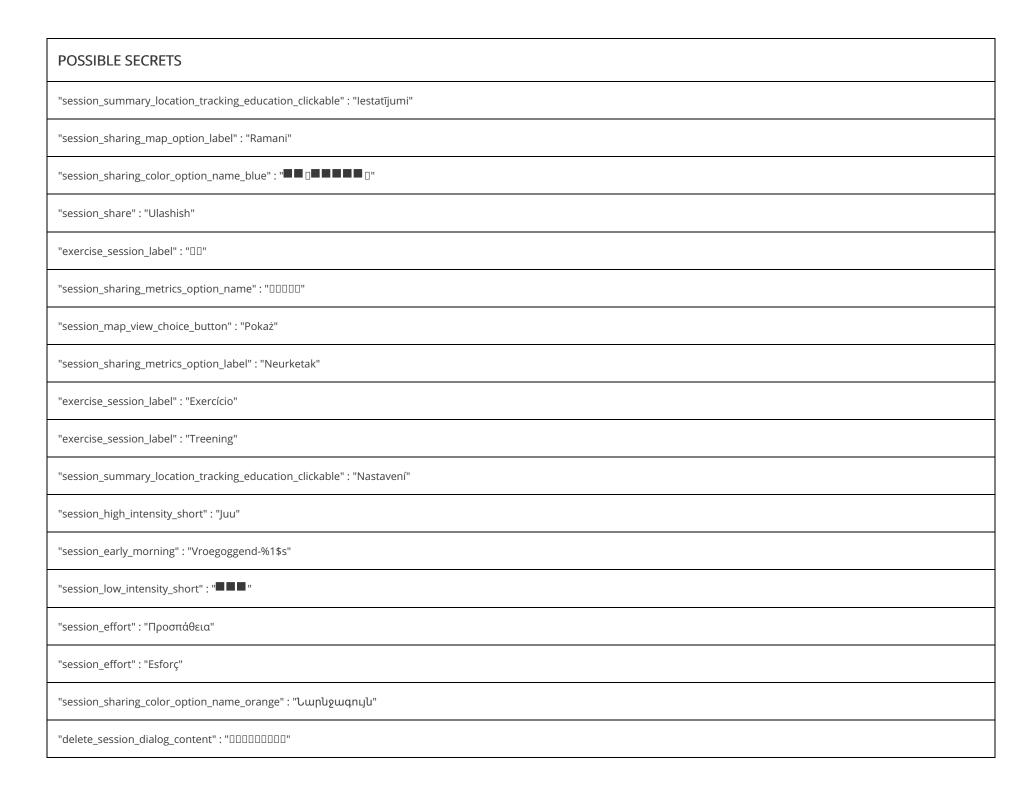


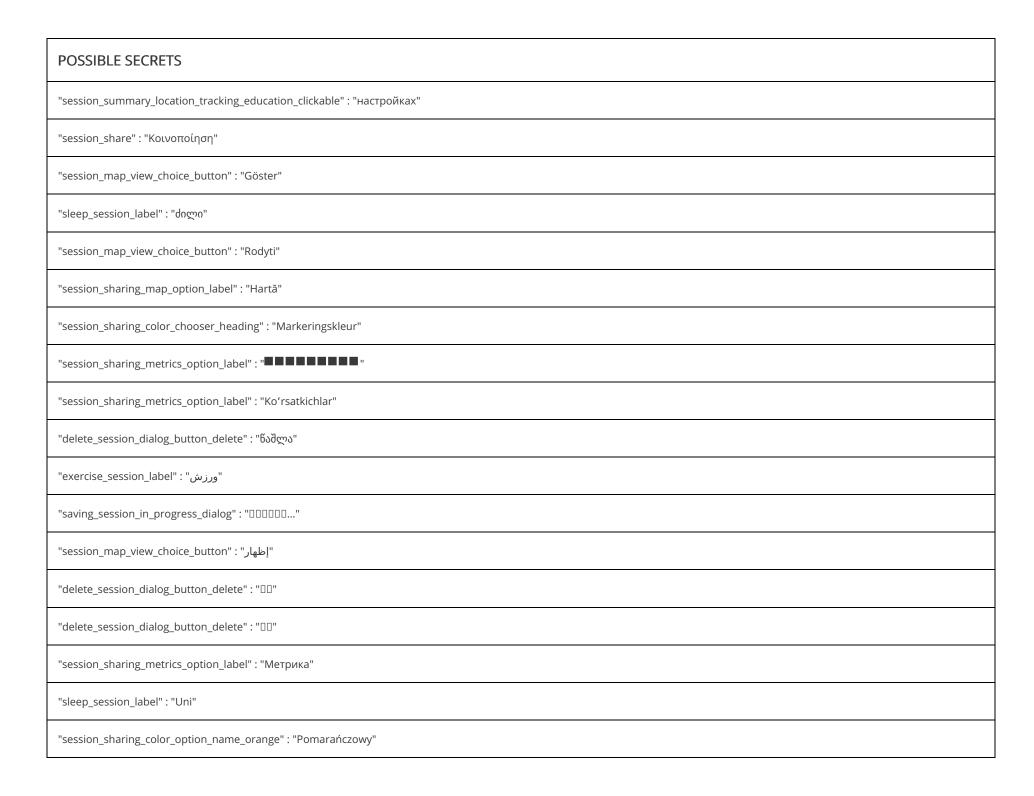






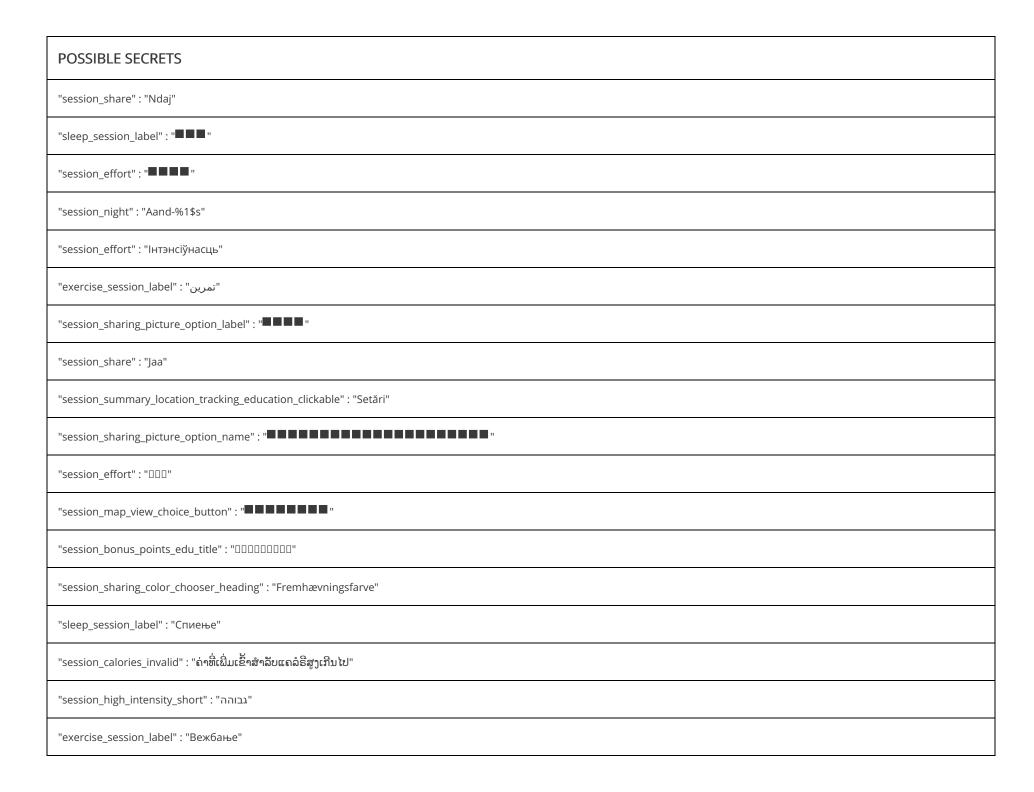


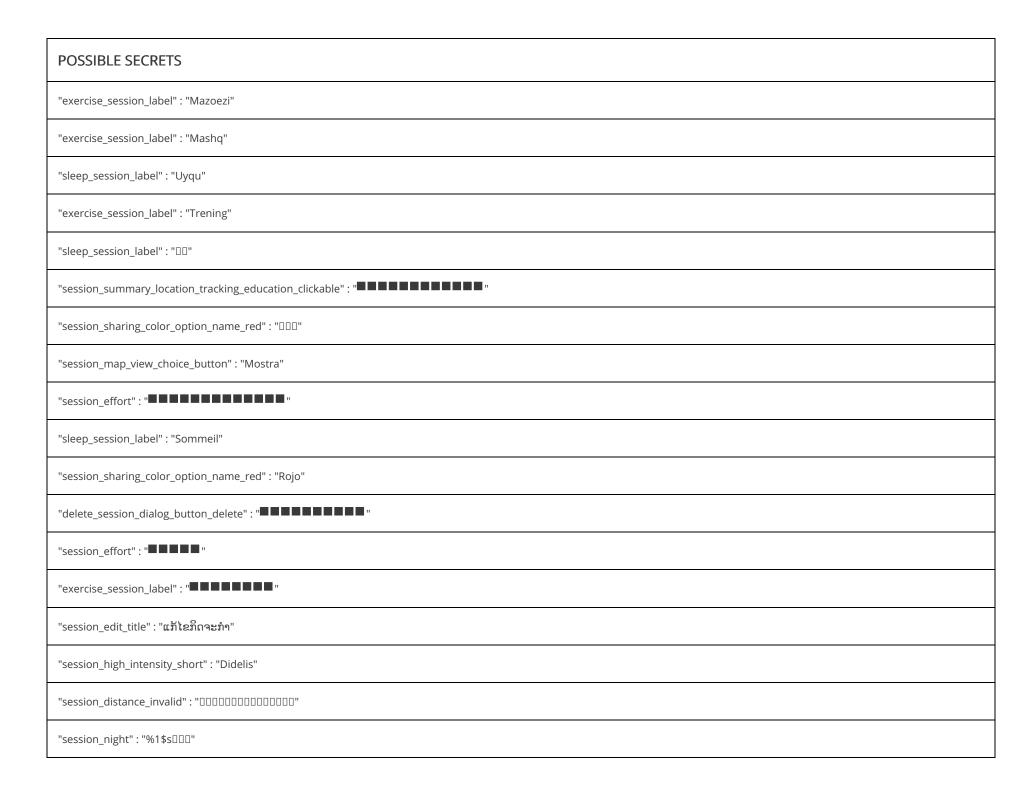


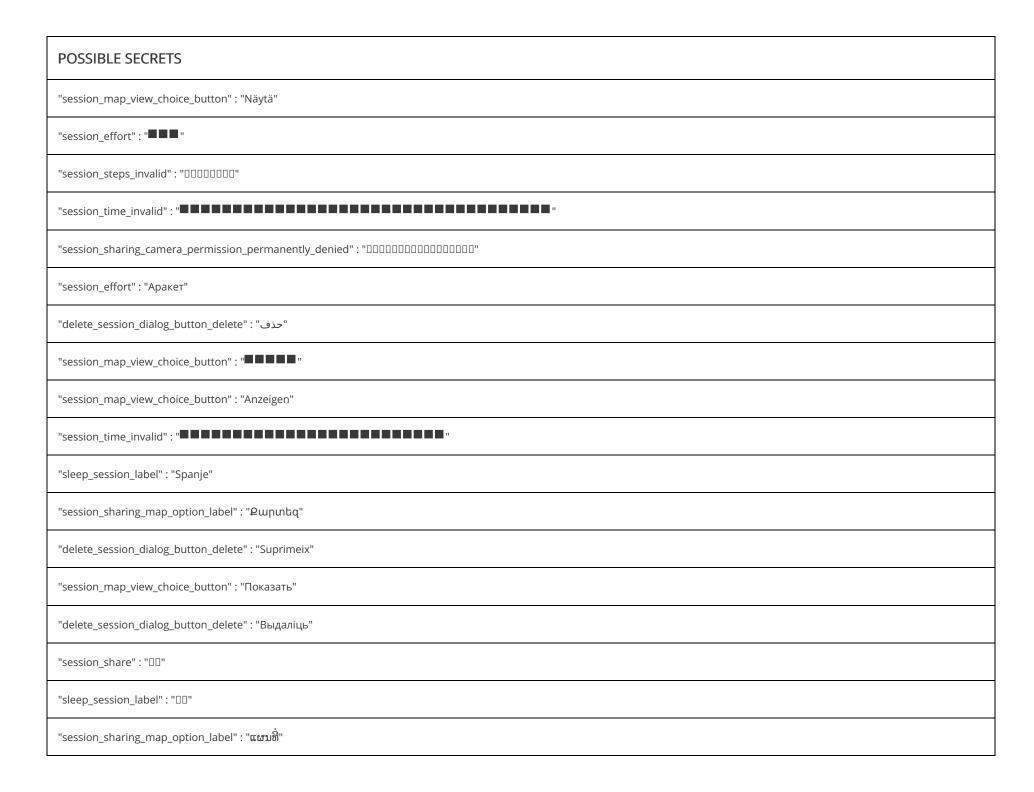


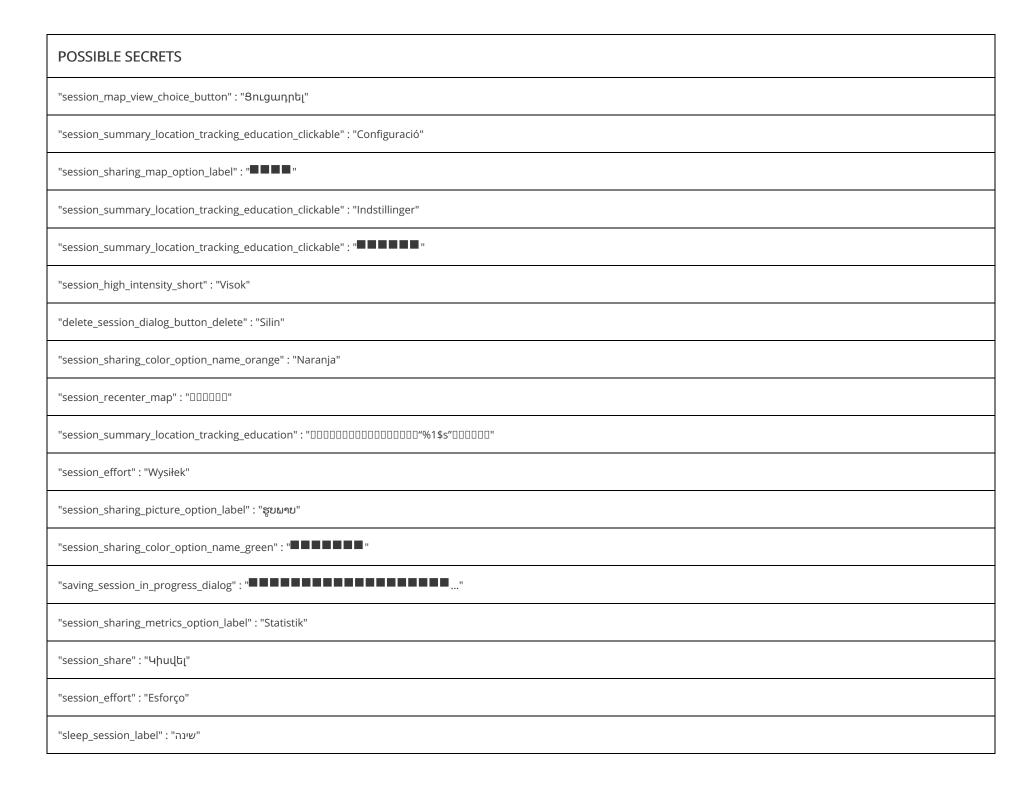












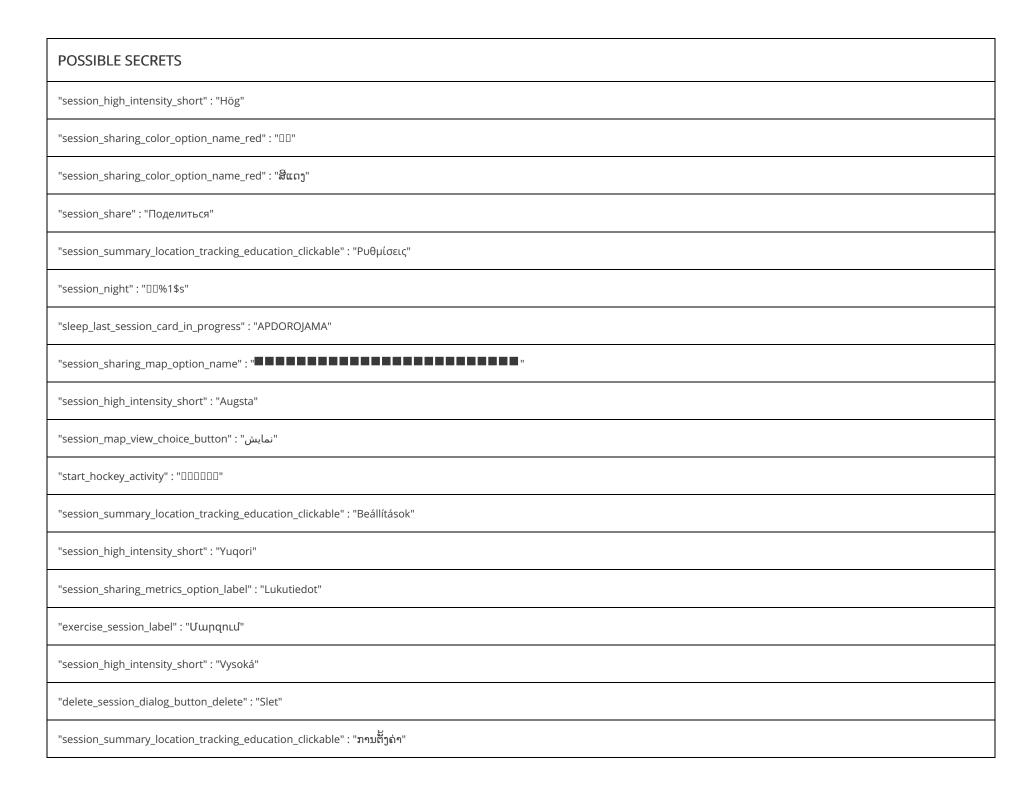


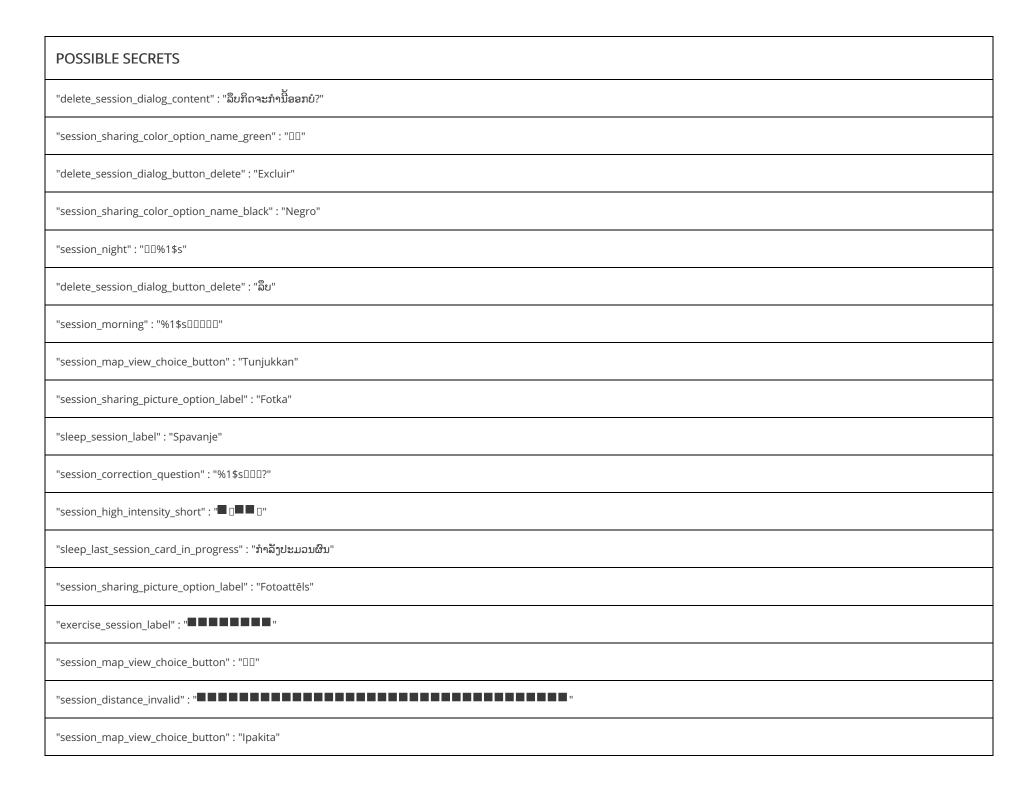


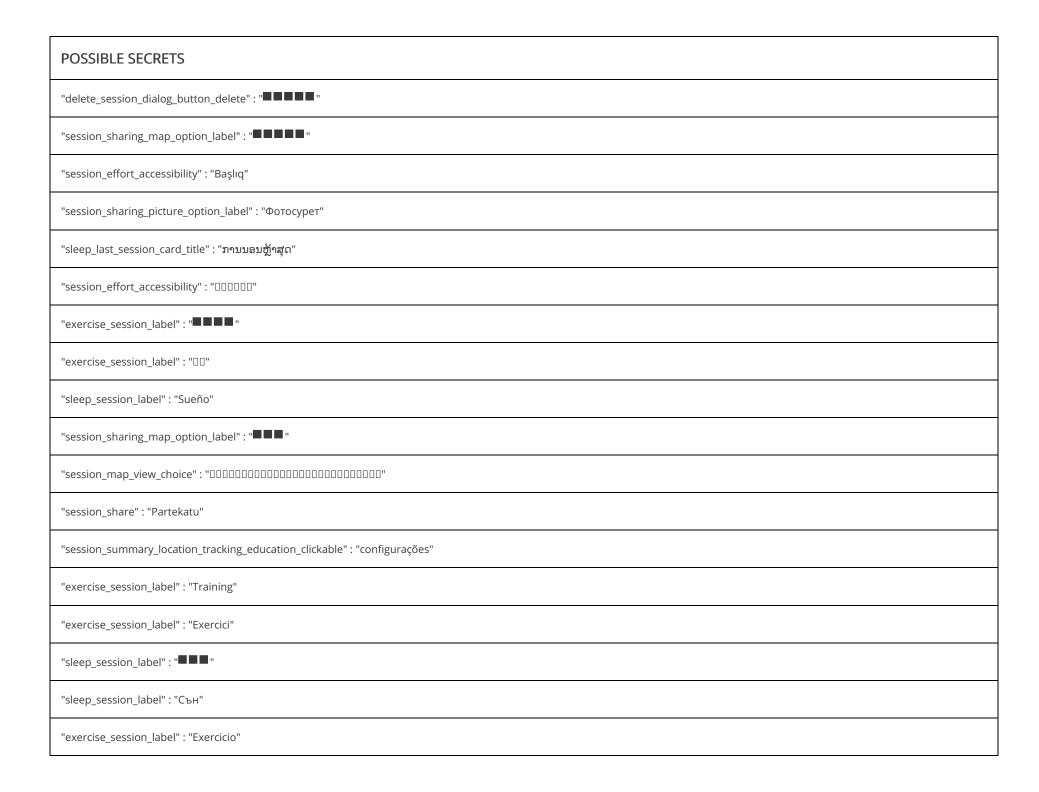


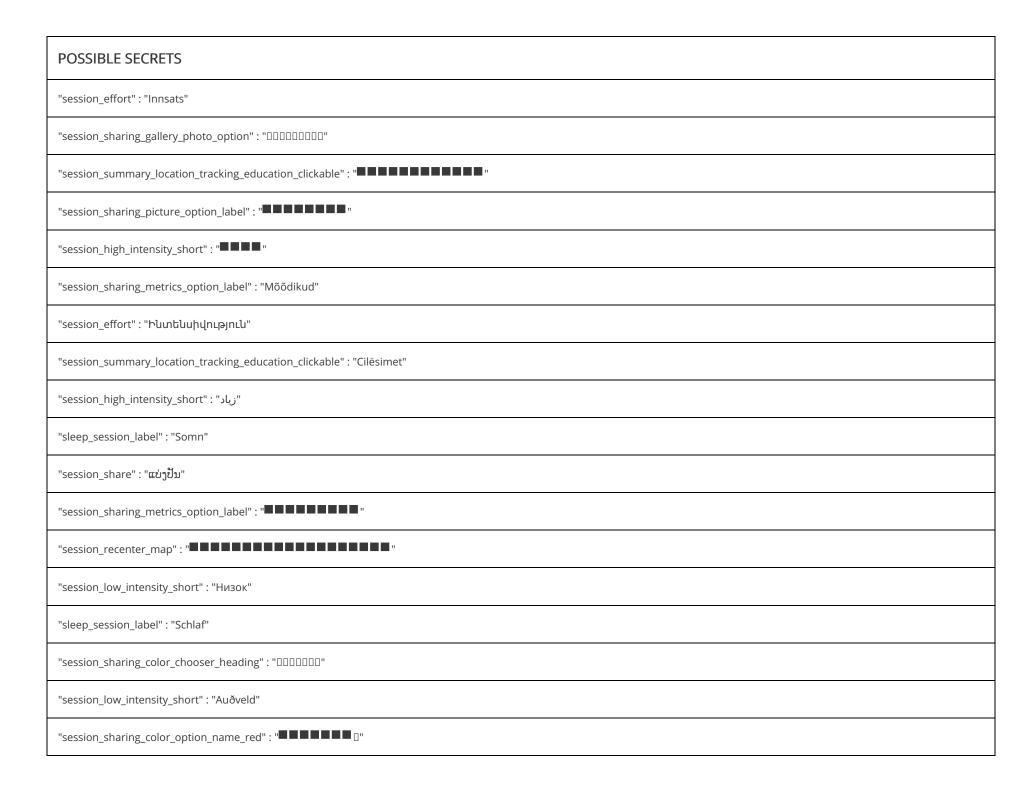










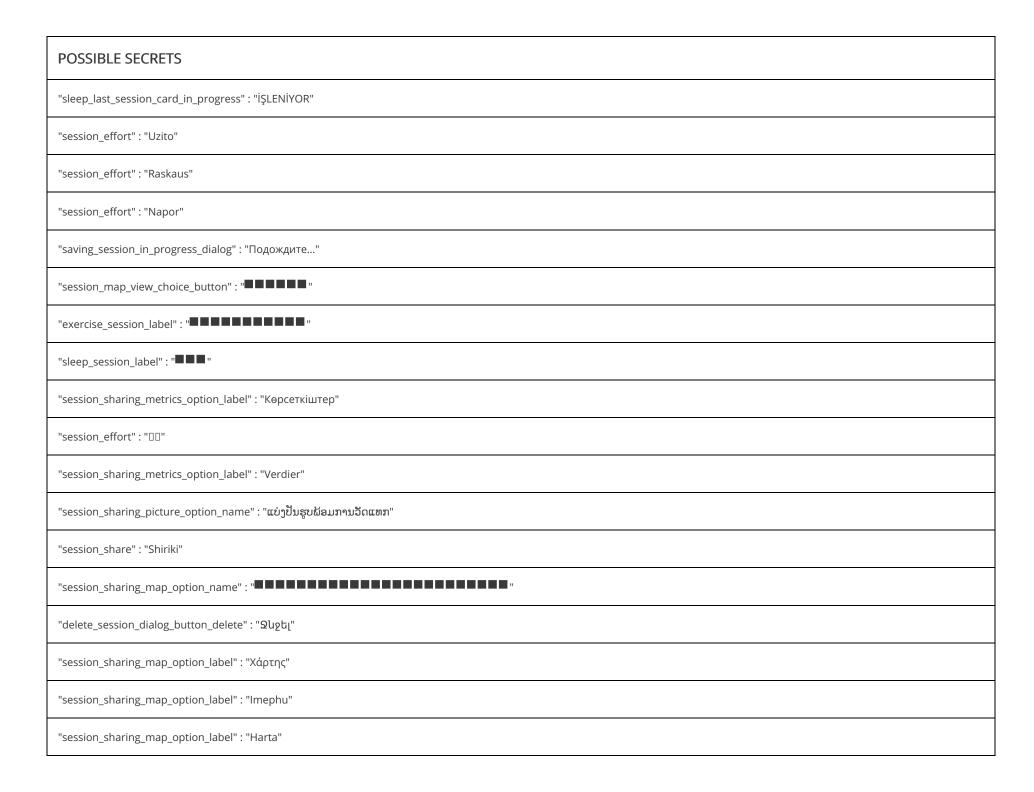


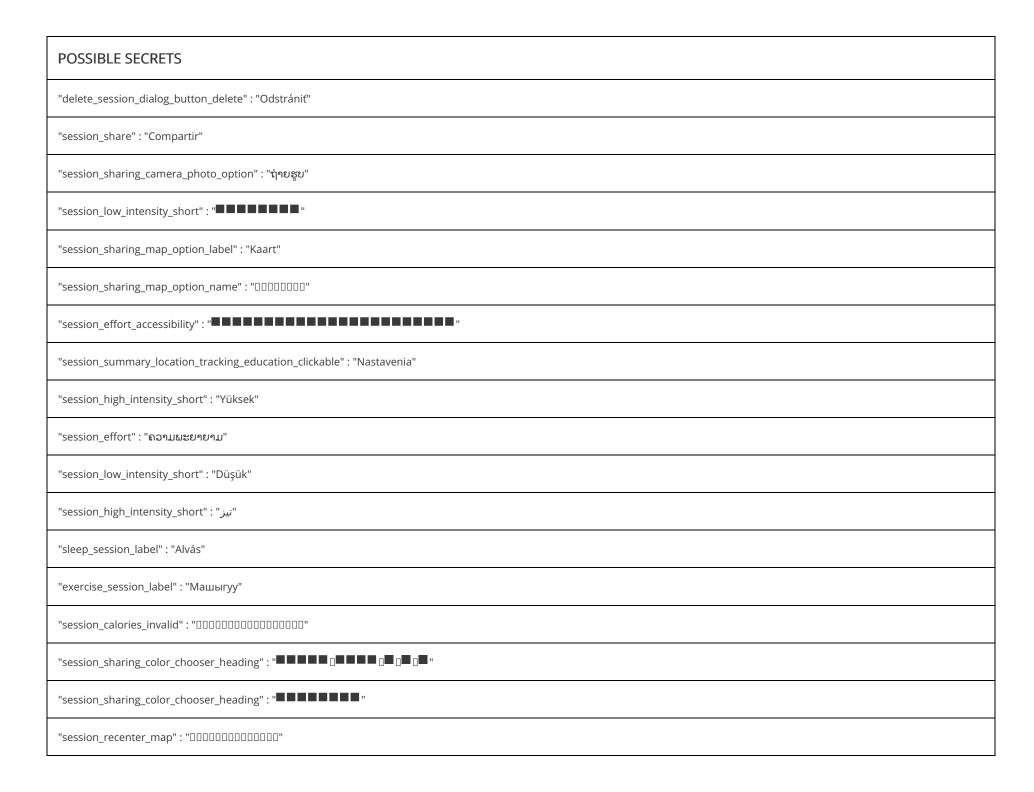










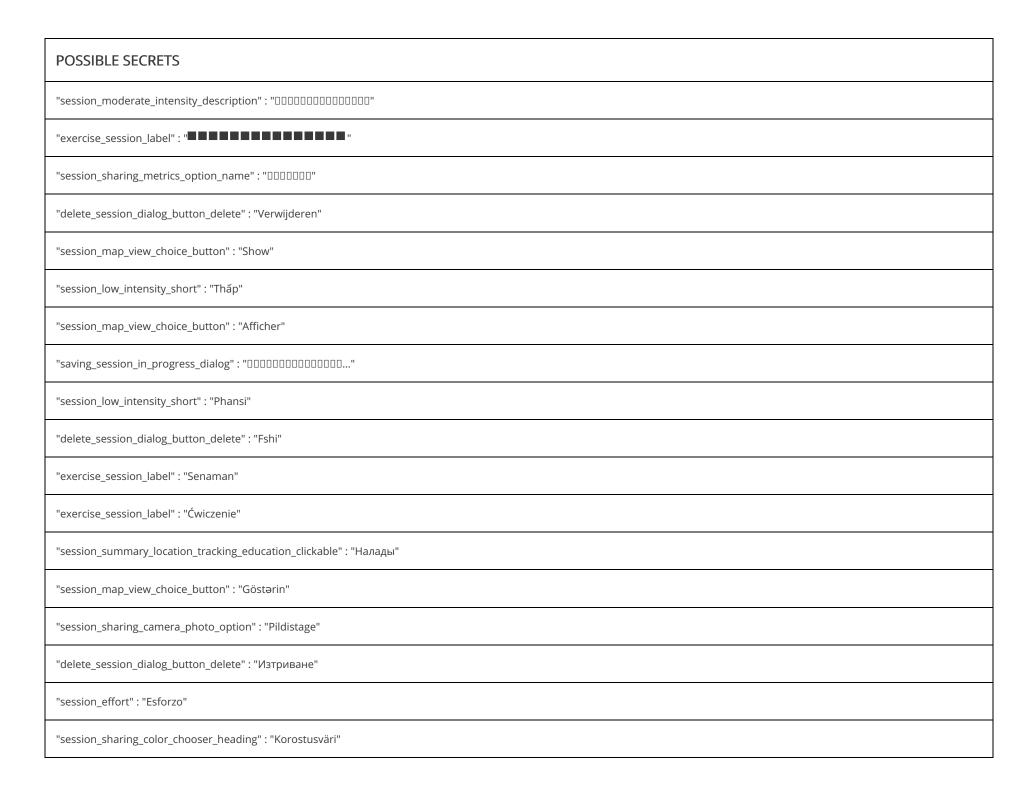


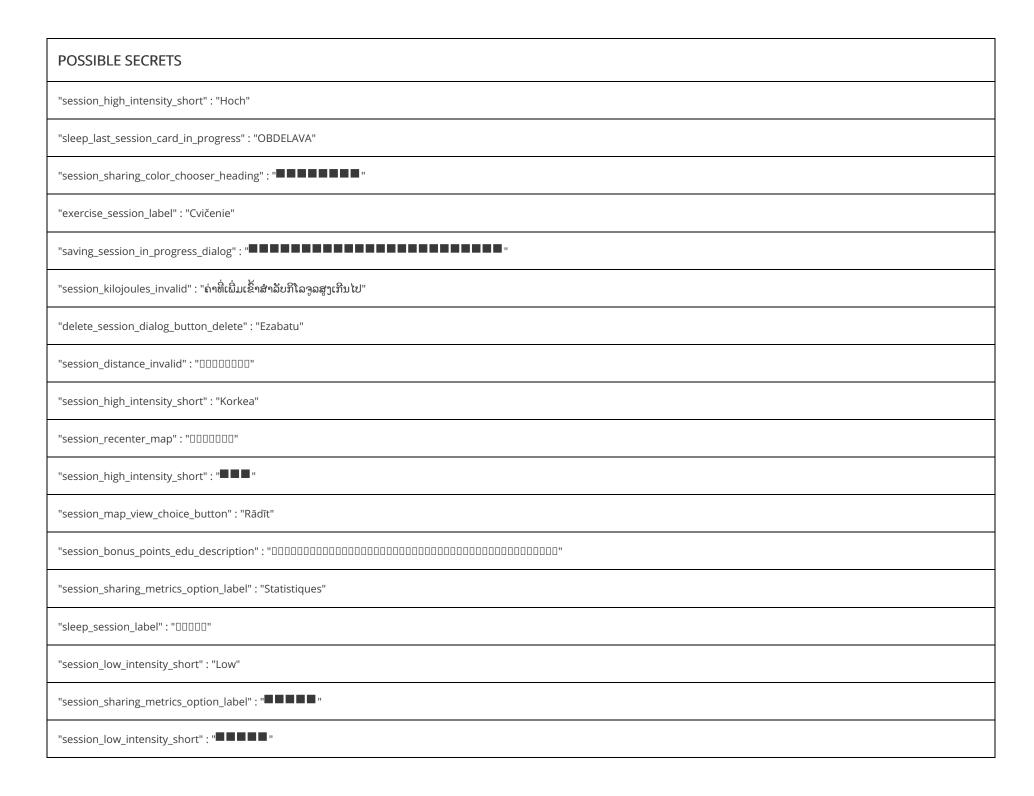




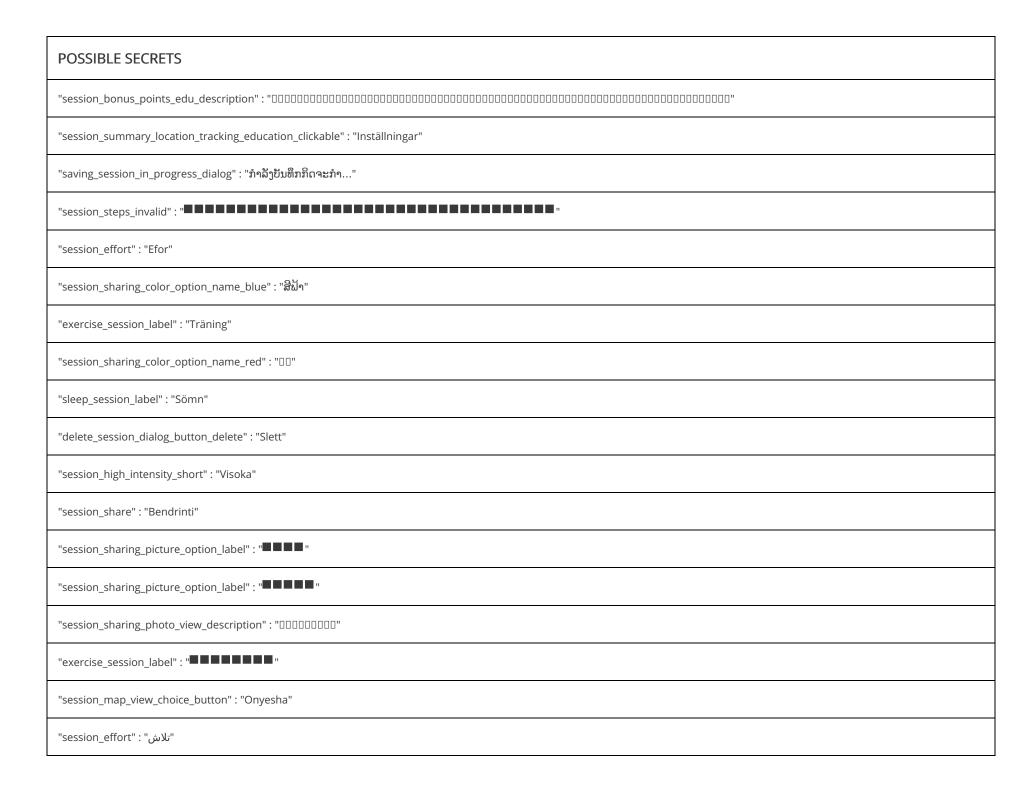


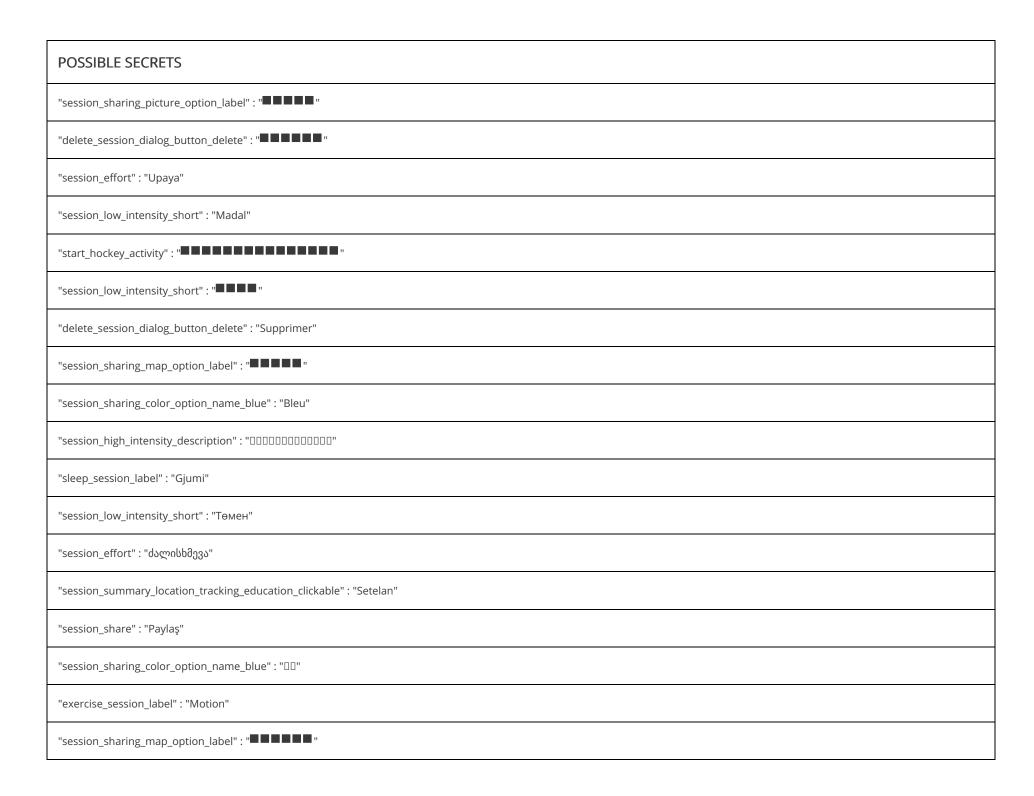


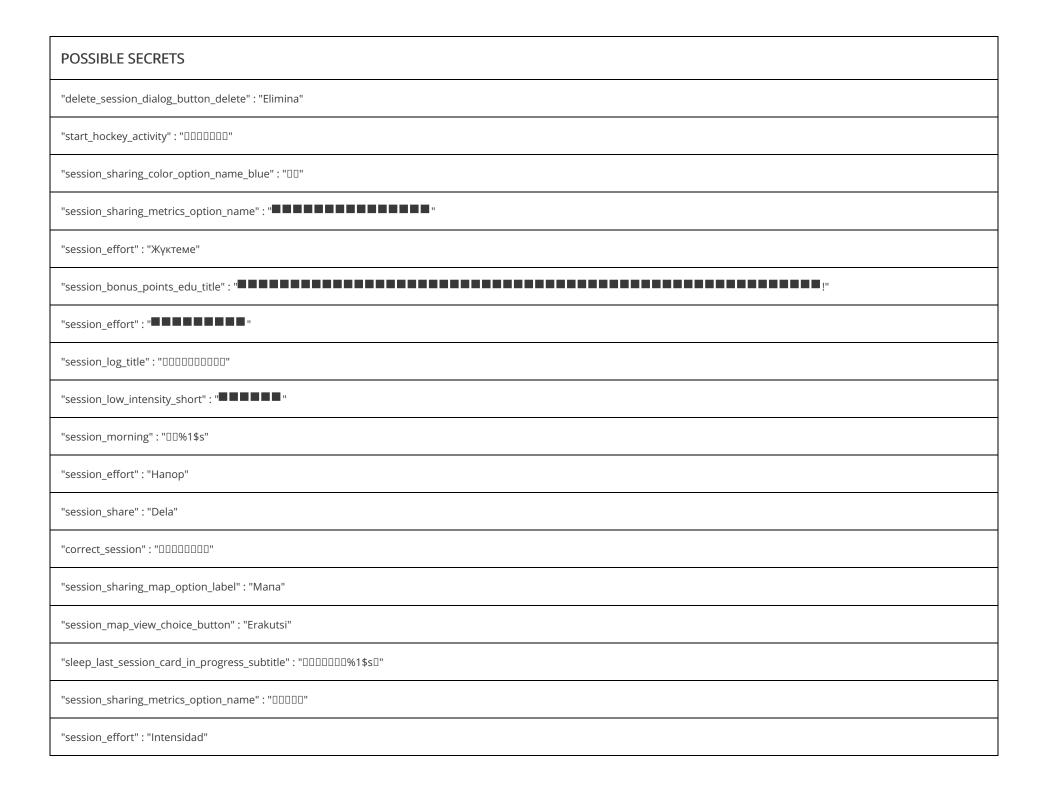


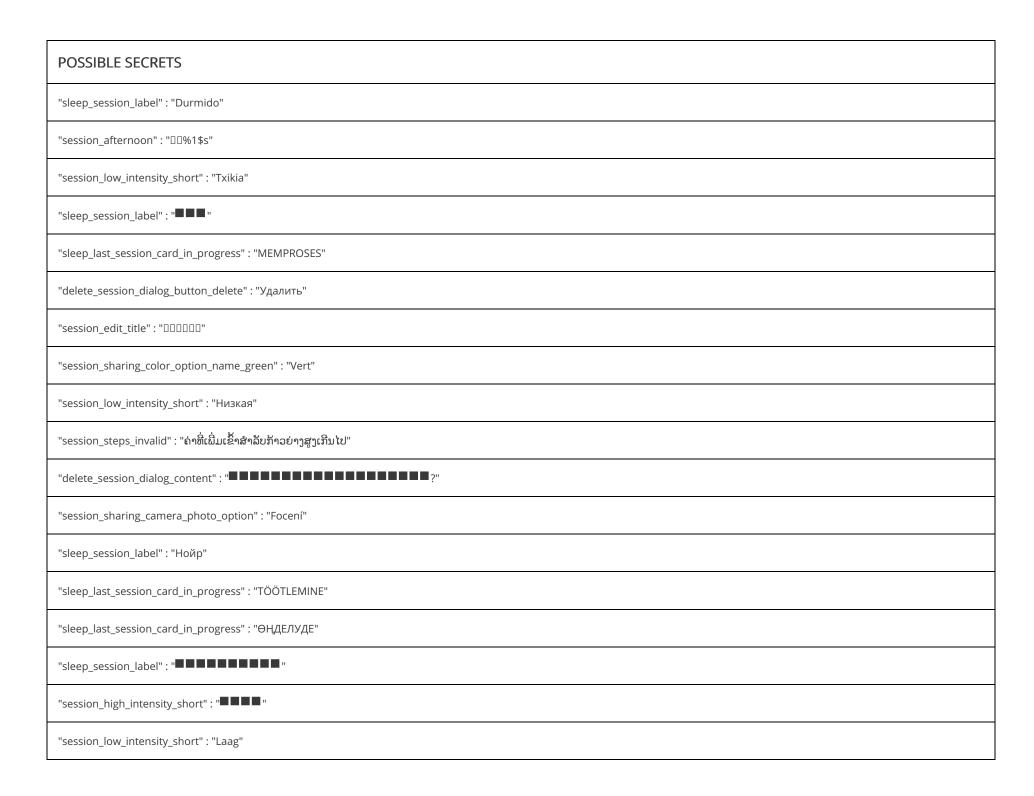


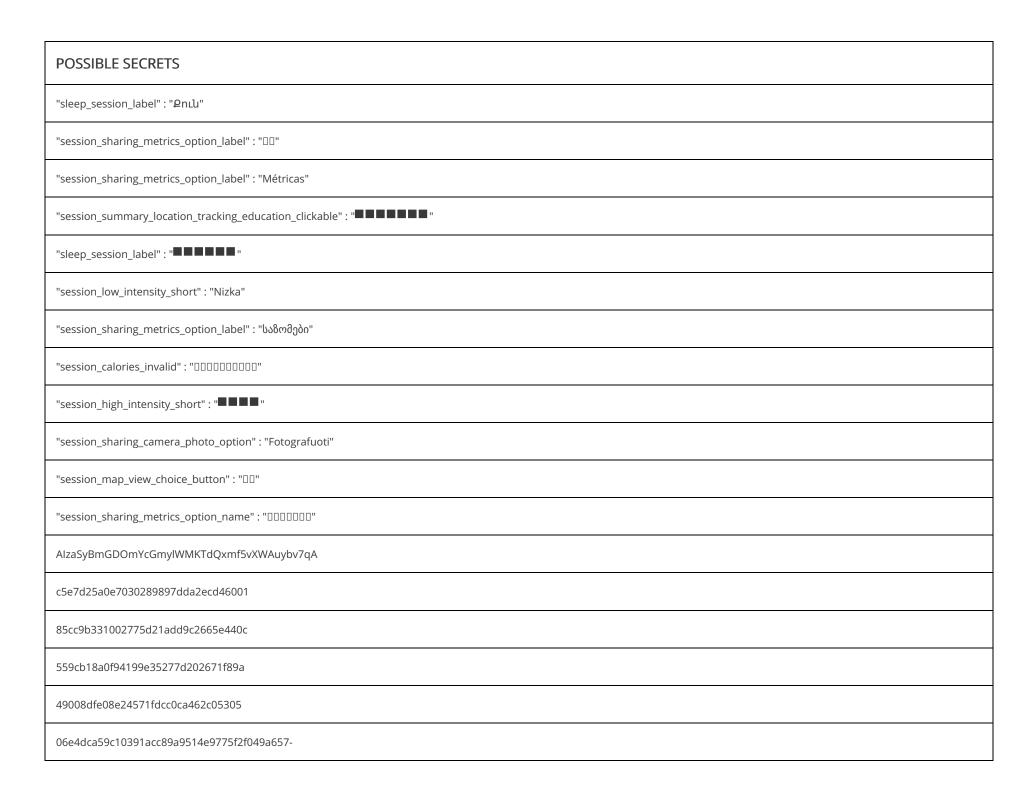












POSSIBLE SECRETS ChNjb20uYW5kcm9pZC52ZW5kaW5nCiBjb20uZ29vZ2xlLmFuZHJvaWQuYXBwcy5tZWV0aW5ncwohY29tLmdvb2dsZS5hbmRyb2lkLmFwcHMubWVzc2FnaW5n a-95ed6082-b8e9-46e8-a73f-ff56f00f5d9d 65df6cb9cb8dbc019379109071a8a995 ${\tt CkOtB5IHiQecB5gHgQeNB9gHgAegB6EHIAelB7IHsAeJBq8HyAfHBwCMB6cHqAelBplCkwLRBqgB1we0BskHygfLB+cHBqgB1We0Bshtqff$ 3b5fea28875f4115a3dae19c2f756e69 cf66d89d29f160a56452e1ec819be807 86254750241babac4b8d52996a675549 e46b2caea7279d752f27c63b107fcfe2 PLbpi6ZahtOH7ywA3QW1TzGTdke3fs Ch1BcHBUcmFuc2Zvcm1hdGlvbnNlZWxwZXluOjAuMg 1b7525fed103628bcc34280de5d4d544 1cbd3130fa23b59692c061c594c16cc0 bf62dbc920b36c8a13d8e11e933636e9 WVzEiYIBRIiSjwlRVZFTlRfTkFNRSU+I21heEZyYW1lVGltZU1pbGxpcw AlzaSyC8UYZpvA2eknNex0Pjid0



Title: Google Fit: Activity Tracking

Score: 3.58495 Installs: 100,000,000+ Price: 0 Android Version Support: Category: Health & Fitness Play Store URL: com.google.android.apps.fitness

Developer Details: Google LLC, 5700313618786177705, None, http://www.android.com/, apps-help@google.com,

Release Date: Oct 28, 2014 Privacy Policy: Privacy link

Description:

Get to a healthier and more active life with the new Google Fit! It's hard to know how much or what kind of activity you need to stay healthy. That's why Google Fit collaborated with the World Health Organization (WHO) and the American Heart Association (AHA) to bring you Heart Points, an activity goal that can help improve your health. Activities that get your heart pumping harder have tremendous health benefits for your heart and mind. You'll earn one Heart Point for each minute of moderate activity like picking up the pace when walking your dog, and double points for more intense activities like running. It takes just 30-minutes of brisk walking five days a week to reach the AHA and WHO's recommended amount of physical activity shown to reduce the risk of heart disease, improve sleep, and increase overall mental wellbeing. Google Fit will also help you: TRACK YOUR WORKOUTS FROM YOUR PHONE OR WATCH Get instant insights when you exercise and see real-time stats for your runs, walks, and bike rides. Fit will use your Android phone's sensors or Wear OS by Google smartwatch's heart rate sensors to record your speed, pace, route, and more. MONITOR YOUR GOALS See your daily progress on your Heart Points and Steps goal. Meeting your goals all the time? Easily adjust your goals to keep challenging yourself to achieve a healthy heart and mind. MAKE ALL YOUR MOVEMENT COUNT If you walk, run, or bike throughout the day, your Android phone or Wear OS by Google smartwatch will automatically detect and add your activities to your Google Fit journal to ensure you get credit for every move. Want extra credit? Turn up the tempo on your walks by starting a paced walking workout and stepping to the beat. Enjoy a different type of workout? Select it from a list of activities like pilates, rowing, or spinning, and Google Fit will track all the Heart Points you earn. CONNECT WITH YOUR FAVORITE APPS AND DEVICES Fit can show you info from many of your favorite apps and devices to give you a holistic view of your health, so you'll never lose track of your progress. These include Lifesum, Wear OS by Google, Nike+, Runkeeper, Strava, MyFitnessPal, Basis, Sleep as Android, Withings, Xiaomi Mi bands, and more. CHECK IN AT ANYTIME, FROM ANYWHERE See a snapshot of your activity history across Fit and your integrated apps in the redesigned journal. Or, get the full picture in browse, where you can find all of your health and wellness data. KEEP A FINGER ON THE PULSE OF YOUR HEALTH Breathing is one of the simplest ways to reduce tension and relieve stress. With Fit, checking in with your breath is easy—all you need is your phone camera. As well as your respiratory rate, you can measure your heart rate to get a better understanding of your body's wellbeing. VIEW YOUR DAY'S STATS AT A GLANCE Add a widget to the home screen of your Android phone or set up a tile and complication on your Wear OS by Google smartwatch. Learn more about Google Fit and see a list of supported apps at: www.google.com/fit

⋮≡ SCAN LOGS

Timestamp	Event	Error
2025-08-29 23:11:58	Generating Hashes	ОК
2025-08-29 23:11:58	Extracting APK	ОК
2025-08-29 23:11:58	Unzipping	ОК

2025-08-29 23:11:58	Parsing APK with androguard	ОК
2025-08-29 23:12:01	Failed to get app icon with androguard	RecursionError('maximum recursion depth exceeded')
2025-08-29 23:12:01	Extracting APK features using aapt/aapt2	ОК
2025-08-29 23:12:03	Getting Hardcoded Certificates/Keystores	ОК
2025-08-29 23:12:07	Parsing AndroidManifest.xml	ОК
2025-08-29 23:12:07	Extracting Manifest Data	ОК
2025-08-29 23:12:07	Manifest Analysis Started	OK
2025-08-29 23:12:07	Performing Static Analysis on: Fit (com.google.android.apps.fitness)	OK
2025-08-29 23:12:08	Fetching Details from Play Store: com.google.android.apps.fitness	OK
2025-08-29 23:12:08	Checking for Malware Permissions	ОК
2025-08-29 23:12:08	Fetching icon path	OK
2025-08-29 23:12:39	Library Binary Analysis Started	OK

2025-08-29 23:12:39	Analyzing lib/arm64-v8a/libvisual_ppg_processor_native.so	ОК
2025-08-29 23:12:39	Analyzing lib/arm64-v8a/libsurface_util_jni.so	ОК
2025-08-29 23:12:39	Analyzing lib/arm64-v8a/libimage_processing_util_jni.so	ОК
2025-08-29 23:12:39	Analyzing apktool_out/lib/arm64-v8a/libvisual_ppg_processor_native.so	ОК
2025-08-29 23:12:39	Analyzing apktool_out/lib/arm64-v8a/libsurface_util_jni.so	ОК
2025-08-29 23:12:39	Analyzing apktool_out/lib/arm64-v8a/libimage_processing_util_jni.so	ОК
2025-08-29 23:12:39	Reading Code Signing Certificate	ОК
2025-08-29 23:12:40	Running APKiD 2.1.5	ОК
2025-08-29 23:12:43	Detecting Trackers	ОК
2025-08-29 23:12:45	Decompiling APK to Java with JADX	ОК
2025-08-29 23:13:00	Converting DEX to Smali	OK
2025-08-29 23:13:00	Code Analysis Started on - java_source	ОК

2025-08-29 23:13:04	Android SBOM Analysis Completed	ОК
2025-08-29 23:13:28	Android SAST Completed	ОК
2025-08-29 23:13:28	Android API Analysis Started	ОК
2025-08-29 23:13:54	Android API Analysis Completed	ОК
2025-08-29 23:13:54	Android Permission Mapping Started	ОК
2025-08-29 23:14:18	Android Permission Mapping Completed	ОК
2025-08-29 23:14:18	Android Behaviour Analysis Started	ОК
2025-08-29 23:14:44	Android Behaviour Analysis Completed	ОК
2025-08-29 23:14:44	Extracting Emails and URLs from Source Code	ОК
2025-08-29 23:14:48	Email and URL Extraction Completed	ОК
2025-08-29 23:14:48	Extracting String data from APK	ОК
2025-08-29 23:14:52	Extracting String data from SO	ОК

2025-08-29 23:14:52	Extracting String data from Code	ОК
2025-08-29 23:14:52	Extracting String values and entropies from Code	ОК
2025-08-29 23:14:55	Performing Malware check on extracted domains	ОК
2025-08-29 23:14:57	Saving to Database	ОК

Report Generated by - MobSF v4.4.0

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

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