

ANDROID STATIC ANALYSIS REPORT



Blood Sugar (1.6.5)

File Name:	com.blood.sugar.diabetes.tracker_39.apk
Package Name:	com.blood.sugar.diabetes.tracker
Scan Date:	Aug. 29, 2025, 8:10 p.m.
App Security Score:	45/100 (MEDIUM RISK)
Grade:	
Trackers Detection:	9/432

FINDINGS SEVERITY

≟ HIGH	▲ MEDIUM	i INFO	✓ SECURE	◎ HOTSPOT
5	20	3	2	5

FILE INFORMATION

File Name: com.blood.sugar.diabetes.tracker_39.apk

Size: 40.87MB

MD5: 2023dc4a9d859a3c4f97dc44edf2ccd0

SHA1: 60abfe439b474556ec3b564088980468ee8832fd

SHA256: 7ff7e17f6f82e3e464e4738a762dca74c30147b7ba984fa348c74ea41c80671b

i APP INFORMATION

App Name: Blood Sugar

Package Name: com.blood.sugar.diabetes.tracker

Main Activity: com.wavez.bloodsugarpro.splash.LaunchActivity

Target SDK: 34 Min SDK: 23 Max SDK:

Android Version Name: 1.6.5

EE APP COMPONENTS

Activities: 61 Services: 16 Receivers: 17 Providers: 5

Exported Activities: 1
Exported Services: 2
Exported Receivers: 4
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: 2023-10-16 09:46:23+00:00 Valid To: 2053-10-16 09:46:23+00:00

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

Serial Number: 0xda95c47722edd5f47ccd60e8ac9827cac54d71b6

Hash Algorithm: sha256

md5: d167d15176e0ed90c5bbd9ab150d796f

sha1: d67c74cf07280ce990739de9939df1b2f59721f2

sha256: 265535b4a597133c4802672b3abaaf8ae812d329d5e372520411895e7257ec5a

sha512: c7ba47e939fc78aafa08aba2980143b02ea40ea24a495e3d19b732b68e2142b92cc0ce8e01b84585f6ccb6117c0f34f3e80c8ffab175eb16eec2ee376d89be5f

PublicKey Algorithm: rsa

Bit Size: 4096

Fingerprint: a4a4dbfb935db5ebeba6f10b2e27e3d541828cbdb5ebfeeb8f8fd5cf4dc5ccd2

Found 1 unique certificates

E APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
android.permission.SCHEDULE_EXACT_ALARM	normal	permits exact alarm scheduling for background work.	Allows an app to use exact alarm scheduling APIs to perform timing sensitive background work.
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
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.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.

PERMISSION	STATUS	INFO	DESCRIPTION
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.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.FOREGROUND_SERVICE_SPECIAL_USE	normal	enables special-use foreground services.	Allows a regular application to use Service.startForeground with the type "specialUse".
com.google.android.gms.permission.AD_ID	normal	application shows advertisements	This app uses a Google advertising ID and can possibly serve advertisements.

PERMISSION		INFO	DESCRIPTION
android.permission.ACCESS_ADSERVICES_AD_ID		allow app to access the device's advertising ID.	This ID is a unique, user- resettable identifier provided by Google's advertising services, allowing apps to track user behavior for advertising purposes while maintaining user privacy.
android.permission.ACCESS_ADSERVICES_ATTRIBUTION	normal	allow applications to access advertising service attribution	This enables the app to retrieve information related to advertising attribution, which can be used for targeted advertising purposes. App can gather data about how users interact with ads, such as clicks or impressions, to measure the effectiveness of advertising campaigns.
android.permission.ACCESS_ADSERVICES_TOPICS		allow applications to access advertising service topics	This enables the app to retrieve information related to advertising topics or interests, which can be used for targeted advertising purposes.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	normal	permission defined by google	A custom permission defined by Google.
com.android.vending.BILLING	normal	application has in-app purchases	Allows an application to make in-app purchases from Google Play.
com.blood.sugar.diabetes.tracker.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference

命 APKID ANALYSIS

FILE	DETAILS		
2023dc4a9d859a3c4f97dc44edf2ccd0.apk	FINDINGS		DETAILS
2023uc4a9u639a3c4197uc44eu12ccuo.apk	Anti-VM Code		possible VM check
classes.dex	FINDINGS	DETA	ILS
	Anti-VM Code	Build.M Build.M Build.H Build.H SIM ope	INGERPRINT check MODEL check MANUFACTURER check RODUCT check MARDWARE check AGS check erator check k operator name check
	Compiler	r8	

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



ACTIVITY	INTENT
com.facebook.CustomTabActivity	Schemes: fbconnect://, Hosts: cct.com.blood.sugar.diabetes.tracker,

△ NETWORK SECURITY

ı	NO	SCOPE	SEVERITY	DESCRIPTION
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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.

Q MANIFEST ANALYSIS

HIGH: 1 | WARNING: 8 | 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	Application Data can be Backed up [android:allowBackup=true]	warning	This flag allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device.
3	Broadcast Receiver (com.wavez.bloodsugarpro.common.services.notifydaily.DailyReceiver) 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.
4	Broadcast Receiver (com.adjust.sdk.AdjustReferrerReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.INSTALL_PACKAGES [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.
7	Activity (com.facebook.CustomTabActivity) 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
8	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.
9	Broadcast Receiver (androidx.profileinstaller.ProfileInstallReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.DUMP [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

</> CODE ANALYSIS

HIGH: 3 | WARNING: 9 | INFO: 3 | SECURE: 2 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				a/g.java a1/g.java a5/b.java

NO	ISSUE	SEVERITY	STANDARDS	a 5/bo.java a 5/j.java
				a5/j0.java
				a5/m.java
				a5/r.java
				a5/t.java
				a5/x.java
				a6/a.java
				ae/c0.java
				ae/h0.java
				ae/o.java
				ae/p.java
				ae/p0.java
				ae/t0.java
				ae/u0.java
				ae/v0.java
				ae/x0.java
				ae/z.java
				ah/e.java
				ai/e2.java
				ai/ez.java ai/i1.java
				ai/o2.java
				ai/x2.java
				b0/p.java
				b6/b.java
				ba/a0.java
				ba/j0.java
				ba/q3.java
				ba/z.java
				bb/e.java
				bb/g.java
				bc/d.java
				bc/h.java
				bg/c.java
				bg/f.java
				bg/g.java
				bh/a.java
				bh/e.java
				c0/h.java
				c1/g.java

NO	ISSUE	SEVERITY	STANDARDS	C171.Java F3(bijava c2/c.java
				c2/g.java
				c5/a.java
				c5/g.java
				c5/j.java
				c9/d.java
				ca/a.java
				ce/d.java
				ce/e.java
				ce/f.java
				ce/j.java
				cg/b.java
				cg/c.java
				cg/e.java
				cg/f.java
				cg/i.java
				cg/k.java
				ci/p.java
				cl/k0.java
				com/adjust/sdk/Logger.java
				com/apm/insight/b/j.java
				com/apm/insight/h/a.java
				com/apm/insight/k/k.java
				com/apm/insight/l/q.java
				com/apm/insight/runtime/o.java
				com/bumptech/glide/b.java
				com/bumptech/glide/c.java
				com/bumptech/glide/d.java
				com/bumptech/glide/l.java
				com/bumptech/glide/load/data/b.java
				com/bumptech/glide/load/data/l.java
				com/bumptech/glide/manager/d.java
				com/bumptech/glide/manager/s.java
				com/bumptech/glide/manager/t.java
				com/bumptech/glide/n.java
				com/bumptech/glide/p.java
				com/bykv/vk/openvk/component/video/pv
				s/icD/Jd.java
				com/bykv/vk/openvk/component/video/pv

				s/icD/NB.java
NO	ISSUE	SEVERITY	STANDARDS	բղըբե ykv/vk/openvk/component/video/pv s/icD/icD.java
				com/bykv/vk/openvk/component/video/pv
				s/icD/sUS.java
				com/bykv/vk/openvk/component/video/pv
				s/icD/yiw.java
				com/bykv/vk/openvk/component/video/pv
				s/vG/pvs.java
				com/bykv/vk/openvk/preload/falconx/a/a.j ava
				com/bykv/vk/openvk/preload/geckox/logg
				er/DefaultLogger.java
				com/bytedance/adsdk/lottie/LottieAnimati
				onView.java
				com/bytedance/adsdk/ugeno/component/i
				cD.java
				com/bytedance/adsdk/ugeno/component/i
				mage/RoundImageView.java
				com/bytedance/adsdk/ugeno/component/i
				mage/pvs.java
				com/bytedance/adsdk/ugeno/core/Wyp.jav
				a
				com/bytedance/adsdk/ugeno/core/pvs.java
				com/bytedance/adsdk/ugeno/core/so.java
				com/bytedance/adsdk/ugeno/pvs/vG.java
				com/bytedance/sdk/component/NB/icD/pv
				s.java
				com/bytedance/sdk/component/NB/vG/ic
				D.java
				com/bytedance/sdk/component/NB/vG/pv s/pvs/icD.java
				com/bytedance/sdk/component/NB/vG/pv
				s/pvs/pvs.java
				com/bytedance/sdk/component/NB/vG/vG
				.java
				com/bytedance/sdk/component/adexpress
				/NB/pvs.java
				com/bytedance/sdk/component/adexpress
				/pvs/icD/sUS.java
				com/bytedance/sdk/component/embedap
1				component chibedap

NO	ISSUE	SEVERITY	STANDARDS	plog/PangleEncryptUtils.java [7][[7][5]ytedance/sdk/component/embedap plog/PangleEncryptUtilsType4.java
NO	ISSUE	SEVERITY	STANDARDS	plog/PangleEncryptUtilsType4.java com/bytedance/sdk/component/icD.java com/bytedance/sdk/component/pglcrypt/P glCryptUtils.java com/bytedance/sdk/component/so/Jd.java com/bytedance/sdk/component/utils/Hom eWatcherReceiver.java com/bytedance/sdk/component/utils/Ju.jav a com/bytedance/sdk/component/utils/Ju.jav a com/bytedance/sdk/component/utils/Ju.jav a com/bytedance/sdk/component/yiw/Jd/NB .java com/bytedance/sdk/component/yiw/icD/p vs.java com/bytedance/sdk/openadsdk/IP/icD.java com/bytedance/sdk/openadsdk/IP/vG.java com/bytedance/sdk/openadsdk/activity/TT AppOpenAdActivity.java com/bytedance/sdk/openadsdk/api/factory /SDKTypeConfig.java com/bytedance/sdk/openadsdk/api/init/PA GSdk.java com/bytedance/sdk/openadsdk/componen t/icD.java com/bytedance/sdk/openadsdk/componen t/reward/kj.java com/bytedance/sdk/openadsdk/componen
				t/reward/pvs/IP.java com/bytedance/sdk/openadsdk/componen t/reward/pvs/Mxy.java com/bytedance/sdk/openadsdk/componen t/reward/pvs/bNS.java com/bytedance/sdk/openadsdk/componen t/yiw.java com/bytedance/sdk/openadsdk/core/CvL.j ava com/bytedance/sdk/openadsdk/core/act/p vs.java

NO	ISSUE	SEVERITY	STANDARDS	com/bytedance/sdk/openadsdk/core/mode ፑኪ፲ፑ §java
140	13301	SEVERITI	317(140) (1403	com/bytedance/sdk/openadsdk/core/settin
				gs/IP.java
				com/bytedance/sdk/openadsdk/core/settin
				gs/kj.java
				com/bytedance/sdk/openadsdk/core/settin
				gs/mnm.java
				com/bytedance/sdk/openadsdk/core/settin
				gs/vG.java
				com/bytedance/sdk/openadsdk/core/widg
				et/NB.java
				com/bytedance/sdk/openadsdk/icD/vG.jav
				a
				com/bytedance/sdk/openadsdk/utils/Gp.ja
				va com/bytedance/sdk/openadsdk/utils/NB.ja
				va
				com/bytedance/sdk/openadsdk/utils/jlb.jav
				a
				com/bytedance/sdk/openadsdk/utils/zM.ja
				va
				com/github/mikephil/charting/charts/PieCh
				art.java
				com/iab/omid/library/bytedance2/utils/d.ja
				va
				com/journeyapps/barcodescanner/Barcode
				View.java
				com/journeyapps/barcodescanner/Capture
				Activity.java
				com/makeramen/roundedimageview/Roun
				dedImageView.java
				com/mbridge/msdk/dycreator/a/a.java
				com/mbridge/msdk/dycreator/baseview/M BScrollView.java
				com/mbridge/msdk/dycreator/baseview/e
				xtview/MBExtAcquireRewardPopView.java
				com/mbridge/msdk/dycreator/baseview/e
				xtview/MBExtFeedBackView.java
				com/mbridge/msdk/dycreator/baseview/e
				xtview/MBExtMBridgeBaitClickView.java
•	•	•		-

NO	ISSUE	SEVERITY	STANDARDS	com/mbridge/msdk/dycreator/baseview **Mid=6*** MBExtMBridgeTextView.java com/mbridge/msdk/dycreator/bus/Back
				oundPoster.java
				com/mbridge/msdk/dycreator/bus/Even
				us.java
				com/mbridge/msdk/dycreator/e/g.java
				com/mbridge/msdk/foundation/controll b.java
				com/mbridge/msdk/foundation/same/re
				rt/b/b.java
				com/mbridge/msdk/foundation/same/r
				rt/b/d.java
				com/mbridge/msdk/foundation/same/r
				rt/d.java
				com/mbridge/msdk/foundation/same/r
				rt/l.java
				com/mbridge/msdk/foundation/tools/a
				va
				com/mbridge/msdk/foundation/tools/a
				va
				com/mbridge/msdk/mbnative/controlle
				ativeController.java
				com/mbridge/msdk/mbnative/controlle
				java
				com/mbridge/msdk/mbnative/e/b.java
				com/mbridge/msdk/newreward/function
				/a/a.java
				com/mbridge/msdk/playercommon/exc
				yer2/DefaultRenderersFactory.java
				com/mbridge/msdk/playercommon/exc
				yer2/ExoPlayerImpl.java
				com/mbridge/msdk/playercommon/exc
				yer2/ExoPlayerImplInternal.java
				com/mbridge/msdk/playercommon/exc
				yer2/MediaPeriodHolder.java
				com/mbridge/msdk/playercommon/exc
				yer2/SimpleExoPlayer.java
				com/mbridge/msdk/playercommon/exc
				yer2/audio/DefaultAudioSink.java
				com/mbridge/msdk/playercommon/exc

NO	ISSUE	SEVERITY	STANDARDS	yer2/drm/ClearKeyUtil.java Fd F5 bridge/msdk/playercommon/exopla yer2/drm/DefaultDrmSession.java
				yer2/mediacodec/MediaCodecUtil.java com/mbridge/msdk/playercommon/exopla

NO	ISSUE	SEVERITY	STANDARDS	yer2/metadata/id3/ld3Decoder.java FURFAbridge/msdk/playercommon/exopla yer2/offline/DownloadManager.java
1	The App logs information. Sensitive information should never be logged.	info	CWE: CWE-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3	com/mbridge/msdk/playercommon/exopla yer2/offline/DownloadService.java com/mbridge/msdk/playercommon/exopla yer2/source/chunk/BaseMediaChunkOutpu t.java com/mbridge/msdk/playercommon/exopla yer2/source/chunk/ChunkSampleStream.ja va com/mbridge/msdk/playercommon/exopla yer2/source/chunk/ChunksGampleStream.ja va com/mbridge/msdk/playercommon/exopla yer2/source/chunk/ChunkedTrackBlacklist Util.java com/mbridge/msdk/playercommon/exopla yer2/text/cea/Cea708Decoder.java com/mbridge/msdk/playercommon/exopla yer2/text/cea/CeaUtil.java com/mbridge/msdk/playercommon/exopla yer2/text/dvb/DvbParser.java com/mbridge/msdk/playercommon/exopla yer2/text/subrip/SubripDecoder.java com/mbridge/msdk/playercommon/exopla yer2/text/ttml/TtmlDecoder.java com/mbridge/msdk/playercommon/exopla yer2/text/webvtt/WebvttCue.java com/mbridge/msdk/playercommon/exopla yer2/text/webvtt/WebvttCueParser.java com/mbridge/msdk/playercommon/exopla yer2/upstream/DefaultDataSource.java com/mbridge/msdk/playercommon/exopla yer2/upstream/DefaultHttpDataSource.java com/mbridge/msdk/playercommon/exopla yer2/upstream/Loader.java com/mbridge/msdk/playercommon/exopla yer2/upstream/cache/CachedRegionTracke r.java com/mbridge/msdk/playercommon/exopla yer2/upstream/cache/SimpleCache.java com/mbridge/msdk/playercommon/exopla

NO	ISSUE	SEVERITY	STANDARDS	com/mbridge/msdk/playercommon/exopla FILES til/EventLogger.java com/mbridge/msdk/playercommon/exopla
				yer2/util/Util.java com/mbridge/msdk/playercommon/exopla yer2/video/DummySurface.java com/mbridge/msdk/playercommon/exopla yer2/video/MediaCodecVideoRenderer.java com/mbridge/msdk/tracker/b.java com/mbridge/msdk/tracker/c.java com/mbridge/msdk/tracker/j.java com/mbridge/msdk/tracker/j.java com/mbridge/msdk/tracker/m.java com/mbridge/msdk/tracker/n.java com/mbridge/msdk/tracker/n.java com/mbridge/msdk/tracker/p.java com/mbridge/msdk/tracker/r.java com/mbridge/msdk/tracker/y.java com/mbridge/msdk/tracker/y.java com/mbridge/msdk/tracker/y.java com/mbridge/msdk/video/module/MBridg eBaseView.java com/mbridge/msdk/widget/FeedbackRadio Group.java com/mbridge/msdk/widget/FeedbackRadio Group.java com/wavez/bloodsugarpro/MainActivity.jav a com/wavez/bloodsugarpro/bloodsugar/vie wmodels/AddBloodSugarViewModel.java com/wavez/bloodsugarpro/bmi/viewmodel s/TrackViewBmiModel.java com/wavez/bloodsugarpro/common/basea pp/ads/appopen/AppOpenManager.java com/wavez/bloodsugarpro/info/activities/l nfoDetailActivity.java com/wavez/bloodsugarpro/stress/viewmo dels/MeasurementViewModel.java d/d.java d/d.java d/d.java d/d.java

NO	ISSUE	SEVERITY	STANDARDS	d3/p.java GJ/E-S d9/e-java
				d9/f.java
				d9/j.java d9/k.java
				d9/p.java
				d9/t.java
				d9/w.java
				db/f.java
				db/k.java
				db/m.java
				dc/c.java
				dh/d.java
				dh/h.java
				e2/a.java
				e2/d.java
				e6/b0.java
				e6/e0.java
				e6/f0.java
				e6/o0.java
				e6/q0.java
				e7/a.java
				ea/a.java
				ec/d.java
				eg/c.java
				el/e.java
				f/c.java
				f/c0.java
				f/d0.java
				f/f.java
				f/h0.java
				f/l.java
				f/s.java
				f/v.java
				f1/p.java
				f5/i.java
				f9/e0.java
				f9/f.java
				f9/h.java
				f9/u.java
				fo/a java

NO	ISSUE	SEVERITY	STANDARDS	fi/f.java FileS g1/j.java
				g1/k.java
				g1/l.java
				g1/m.java
				g1/n.java
				g1/r.java
				g5/g.java
				g7/g.java
				g9/e.java
				g9/g0.java
				g9/h.java
				g9/h0.java
				g9/j0.java
				g9/m0.java
				g9/q.java
				g9/t.java
				g9/w.java
				h0/c.java
				h1/c.java
				h4/c.java
				ha/b.java
				i/i.java
				i/j.java
				i0/f.java
				i0/k.java
				i0/r.java
				i7/a.java
				i7/b.java
				i7/c.java
				i7/f.java
				i7/g.java
				j/i.java
				j/o.java
				j1/o.java
				j2/b.java
				j2/e.java
				j7/b.java
				j7/c.java
				j7/e.java
1			ļ	10/2 12/2

NO	ISSUE	SEVERITY	STANDARDS	java java jb/d.java
				jb/g.java
				jd/m.java
				jd/n.java
				jg/f.java
				k/e1.java
				k/f2.java
				k/i1.java
				k/i3.java
				k/k.java
				k/k2.java
				k/l2.java
				k/m0.java
				k/o2.java
				k/s0.java
				k/u2.java
				k/y.java
				k0/a.java
				k1/a.java
				k2/b.java
				k3/g.java
				k3/o.java
				k4/b.java
				k5/b.java
				k9/c.java
				kb/l.java
				kb/n.java
				kg/h.java
				l1/e.java
				l7/c.java
				l7/d.java
				l9/a.java
				ld/m.java
				lg/b.java
				Il/r.java
				Il/w.java
				m2/a.java
				m6/b.java
				m7/a.iava
				m7/a.java

				111770.jdvd
NO	ISSUE	SEVERITY	STANDARDS	፫ባ ፫/፫ ģ ava m7/e.java
				m//e.java
				m7/g.java
ŀ				m7/i.java
				m7/k.java
				m8/h0.java
				me/l.java
				n1/b.java
				n1/j0.java
				n1/j1.java
				n1/o.java
				n1/r1.java
				n1/s1.java
				n1/v0.java
				n1/w1.java
				n1/z0.java
				n2/d.java
				n4/a.java
				n6/a0.java
				n6/x.java
				n8/h.java
				n9/e.java
				n9/g.java
				nk/h1.java
				oh/i.java
				p4/c.java
				p4/d.java
				p5/b.java
				p5/d0.java
				p5/r0.java
				p5/t.java
				p5/u.java
				pa/c.java
				pd/c.java
				pi/d.java
				pi/e.java
				pi/f.java
				pi/g.java
				pj/f.java
				q4/d.java
ŀ				

				q4/e.java
NO	ISSUE	SEVERITY	STANDARDS	ជ្ គ្រ ់ទ្រ i g va q5/h.java
				q5/h.java
				q5/m.java
				q5/w.java
				q7/p.java
				qd/b.java
				qd/d.java
				r/a0.java
				r/e0.java
				r/i.java
				r/j0.java
				r2/d.java
				r3/e.java
				rd/c.java
				ri/c.java
				rj/g.java
				s2/c1.java
				s2/n0.java
				s2/x.java
				s4/c.java
				se/c.java
				se/d.java
				sj/f0.java
				t0/d.java
				t1/r.java
				t2/a0.java
				t2/m.java
				t2/o.java
				t2/q.java
				t2/r.java
				t2/s.java
				t2/z.java
				t4/h0.java
				t4/l.java
				t4/m.java
				t4/p.java
				t4/z.java
				t5/j.java
				t5/k.java
				t8/h.java

				t9/e.java
NO	ISSUE	SEVERITY	STANDARDS	FMESa
				t9/h.java
				t9/l.java
				te/a.java
				u3/f.java
				u4/g.java
				u4/h.java
				u5/g.java
				ub/e.java
				ub/g.java
				uf/h.java
				v0/e.java
				v1/e.java
				v4/i.java
				vd/a.java
				w1/s.java
				w5/b.java
				w5/c.java
				w6/a.java
				w6/b.java
				w7/c.java
				w7/i.java
				wd/b.java
				wd/d.java
				wd/h.java
				wd/l.java
				wj/j.java
				x2/c.java
				x4/f.java
				x4/h.java
				x4/n.java
				y/a1.java
				y/d.java
				y/r0.java
				y0/c.java
				y0/f.java
				y0/g.java
				y0/j.java
				y0/n.java
				y2/f.java

NO	ISSUE	SEVERITY	STANDARDS	y5/e.java 丹ట5s va y5/j.java
				y5/k.java y5/k.java y6/l.java y9/c0.java y9/e.java y9/g.java y9/g.java y9/o.java y9/v.java y9/y0.java ya/d.java yc/e.java yg/e.java z/i.java z/i.java z/h.java z5/h.java z2/a.java zg/g.java zg/g.java zg/g.java zg/g.java zg/g.java
				com/adjust/sdk/Constants.java com/bykv/vk/openvk/component/video/pv s/icD/Mxy.java com/mbridge/msdk/MBridgeConstans.java com/mbridge/msdk/foundation/download/ core/DownloadCommon.java com/mbridge/msdk/foundation/download/ core/DownloaderReporter.java com/mbridge/msdk/foundation/entity/Ca mpaignEx.java com/mbridge/msdk/newreward/player/MB

NO	ISSUE	SEVERITY	STANDARDS	RewardVideoActivity.java Fdh
2	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	com/mbridge/msdk/newreward/player/im odel/IECModel.java com/mbridge/msdk/newreward/player/im odel/IMoreOfferModel.java com/mbridge/msdk/newreward/player/im odel/IPlayModel.java com/mbridge/msdk/newreward/player/ivie w/IBaseWebView.java com/mbridge/msdk/newreward/player/ivie w/IBaseWebView.java com/mbridge/msdk/newreward/player/ivie w/IPlayTempleView.java com/mbridge/msdk/newreward/player/mo del/BigTemplateModel.java com/mbridge/msdk/newreward/player/mo del/ECTempleModel.java com/mbridge/msdk/newreward/player/mo del/MoreOfferModel.java com/mbridge/msdk/newreward/player/mo del/PlayTempleModel.java com/mbridge/msdk/newreward/player/mo del/WebTemplateModel.java com/mbridge/msdk/newreward/player/mo del/WebViewECModel.java com/mbridge/msdk/newreward/player/vie w/WebViewTemplate.java com/mbridge/msdk/newreward/player/vie w/WebViewTemplate.java com/mbridge/msdk/newreward/player/vie w/ectemplate/WebViewEC.java com/mbridge/msdk/newreward/player/vie w/ectemplate/WebViewEC.java com/mbridge/msdk/playercommon/exopla yer2/drm/DefaultDrmSessionManager.java com/mbridge/msdk/video/dynview/moffer /MOfferModel.java dm/k.java o/b.java r4/k.java s5/j.java t4/f.java

				t4/f0.java
NO	ISSUE	SEVERITY	STANDARDS	t4l/xtj2Sva
3	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	ap/a.java aq/a.java aq/a.java bp/a.java bp/a.java com/bytedance/sdk/openadsdk/BuildConfi g.java cp/a.java cq/e.java dp/a.java ep/a.java fp/a.java ip/c.java ip/c.java ip/c.java jp/a.java l7/c.java lg/b.java mp/a.java so/a.java uo/a.java vo/a.java zo/a.java
4	The App uses ECB mode in Cryptographic encryption algorithm. ECB mode is known to be weak as it results in the same ciphertext for identical blocks of plaintext.	high	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-2	dh/h.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
5	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	ba/x3.java com/apm/insight/l/v.java com/bykv/vk/openvk/component/video/api /sUS/icD.java com/bykv/vk/openvk/preload/geckox/utils/ g.java com/bytedance/sdk/component/NB/vG/vG /vG.java com/bytedance/sdk/component/utils/NB.ja va com/bytedance/sdk/component/utils/NB.ja va com/mbridge/msdk/foundation/download/ core/OkHTTPFileDownloadTask.java com/mbridge/msdk/foundation/download/ resource/MBResourceManager.java com/mbridge/msdk/foundation/tools/aa.ja va com/pgl/ssdk/C0163q.java h4/c.java j8/o.java y5/k.java y9/c0.java yc/e.java
6	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	b0/f.java com/pgl/ssdk/C0163q.java com/pgl/ssdk/ces/c.java dh/c.java hc/h.java jb/b.java k9/c.java ld/i.java qd/b.java
				b0/f.java ba/x3.java bc/g.java

NO	ISSUE	SEVERITY	STANDARDS	cm/b4.java EHLESjava cm/g1.java
7	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	cm/v2.java com/adjust/sdk/Util.java com/adjust/sdk/Util.java com/bytedance/sdk/component/sUS/pvs/s US/vG.java com/bytedance/sdk/component/utils/pvs.j ava com/bytedance/sdk/component/yiw/vG/sU S.java com/bytedance/sdk/openadsdk/core/mode l/OT.java com/bytedance/sdk/openadsdk/icD/qh.jav a com/bytedance/sdk/openadsdk/utils/jlb.jav a com/bytedance/sdk/openadsdk/utils/jlb.jav a com/mbridge/msdk/dycreator/baseview/re wardpopview/MBAcquireRewardPopView.j ava com/mbridge/msdk/playercommon/exopla yer2/source/ShuffleOrder.java com/mbridge/msdk/playercommon/exopla yer2/trackselection/RandomTrackSelection. java com/mbridge/msdk/playercommon/exopla yer2/upstream/cache/CachedContentIndex. java com/mbridge/msdk/thrid/okhttp/OkHttpCli ent.java com/mbridge/msdk/thrid/okhttp/internal/ ws/RealWebSocket.java com/mbridge/msdk/thrid/okhttp/internal/

NO	ISSUE	SEVERITY	STANDARDS	mc/c.java FibliES va p5/n.java
				tn/a.java tn/b.java un/a.java vd/h.java vd/i.java wd/b.java wd/g.java wd/g.java wd/l.java com/apm/insight/nativecrash/c.java com/bytedance/sdk/openadsdk/icD/pvs/v
8	This App may have root detection capabilities.	secure	OWASP MASVS: MSTG-RESILIENCE-1	G.java com/bytedance/sdk/openadsdk/utils/jlb.jav a hc/h.java jb/g.java
	App uses SQLite Database and			ba/a4.java ba/h0.java ba/j.java ba/q3.java com/apm/insight/e/b/a.java com/apm/insight/e/b/b.java com/bykv/vk/openvk/component/video/pv s/icD/icD/Jd.java com/bykv/vk/openvk/preload/geckox/a/b.j ava com/bytedance/sdk/component/sUS/pvs/p vs/pvs/Jd.java com/bytedance/sdk/component/sUS/pvs/p vs/pvs/icD.java com/bytedance/sdk/openadsdk/core/sUS.j ava com/bytedance/sdk/openadsdk/mnm/icD.j ava
9	execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	com/mbridge/msdk/foundation/db/BatchR eportDao.java com/mbridge/msdk/foundation/db/b.java

NO	written to the database.	SEVERITY	STANDARDS	com/mbridge/msdk/foundation/db/c.java Fdhf5 bridge/msdk/foundation/db/e.java com/mbridge/msdk/foundation/db/g.java
				com/mbridge/msdk/foundation/download/database/DatabaseHelper.java com/mbridge/msdk/newreward/function/d/c.java com/mbridge/msdk/tracker/b.java i0/f.java q5/m.java r/c2.java r/i.java r/m.java w7/c.java w7/h.java x7/h.java x7/h.java x7/n.java
10	Insecure WebView Implementation. Execution of user controlled code in WebView is a critical Security Hole.	warning	CWE: CWE-749: Exposed Dangerous Method or Function OWASP Top 10: M1: Improper Platform Usage OWASP MASVS: MSTG-PLATFORM-7	com/bytedance/sdk/component/adexpress /NB/NB.java com/bytedance/sdk/component/widget/SS WebView.java
11	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/bytedance/sdk/openadsdk/common/ Wyp.java
12	App can write to App Directory. Sensitive Information should be encrypted.	info	CWE: CWE-276: Incorrect Default Permissions OWASP MASVS: MSTG-STORAGE-14	bk/b.java c6/b.java no/m.java p5/m0.java p5/r0.java w5/i.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
13	The file or SharedPreference is World Readable. Any App can read from the file	high	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/mbridge/msdk/mbbid/common/b.jav a
14	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	com/mbridge/msdk/thrid/okhttp/internal/ Util.java
15	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	cl/o.java cl/q.java com/apm/insight/entity/d.java com/apm/insight/l/w.java com/apm/insight/nativecrash/c.java com/bytedance/sdk/openadsdk/utils/jlb.jav a com/mbridge/msdk/foundation/same/repo rt/b/d.java com/mbridge/msdk/foundation/tools/ag.ja va com/pgl/ssdk/ces/c.java e6/l0.java
16	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/mbridge/msdk/playercommon/exopla yer2/util/Util.java qd/d.java t9/e.java
17	The App uses the encryption mode CBC with PKCS5/PKCS7 padding. This configuration is vulnerable to padding oracle attacks.	high	CWE: CWE-649: Reliance on Obfuscation or Encryption of Security-Relevant Inputs without Integrity Checking OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-3	com/bytedance/sdk/component/Jd/pvs.jav a dh/d.java

■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION	
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BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
			ai/b3.java ai/b2.java ai/k2.java ai/k2.java ai/y.java c0/b.java ci/t.java cl/x.java com/apm/insight/b/b.java com/apm/insight/b/b.java com/apm/insight/h/b.java com/apm/insight/h/c.java com/apm/insight/k/b.java com/apm/insight/l/c.java com/apm/insight/l/f.java com/apm/insight/l/i.java com/apm/insight/l/o.java com/apm/insight/l/o.java com/apm/insight/l/o.java com/apm/insight/nativecrash/NativeImpl.java com/apm/insight/nativecrash/b.java com/apm/insight/nativecrash/b.java com/apm/insight/nativecrash/c.java com/apm/insight/nativecrash/d.java com/apm/insight/runtime/h.java com/apm/insight/runtime/b.java com/apm/insight/runtime/k.java com/apm/insight/runtime/s.java

			com/bykv/vk/openvk/component/video/api/vG.java
RULE	DELLA MOLID	LABEL	com/bykv/vk/openvk/component/video/pvs/Jd/Jd.java
ID	BEHAVIOUR	LABEL	Fort/bykv/vk/openvk/component/video/pvs/icD/pvs/vG.java
טו			com/bykv/vk/openvk/component/video/pvs/pvs/pvs/pvs.java
			com/bykv/vk/openvk/preload/falconx/loader/a.java
			com/bykv/vk/openvk/preload/geckox/a/a/e.java
			com/bykv/vk/openvk/preload/geckox/a/c.java
			com/bykv/vk/openvk/preload/geckox/buffer/a/a.java
			com/bykv/vk/openvk/preload/geckox/buffer/a/b.java
			com/bykv/vk/openvk/preload/geckox/buffer/a/c.java
			com/bykv/vk/openvk/preload/geckox/d/a/a/c.java
			com/bykv/vk/openvk/preload/geckox/d/a/b/d.java
			com/bykv/vk/openvk/preload/geckox/d/a/b/e.java
			com/bykv/vk/openvk/preload/geckox/d/b/a/c.java
			com/bykv/vk/openvk/preload/geckox/d/b/a/d.java
			com/bykv/vk/openvk/preload/geckox/d/b/b/e.java
			com/bykv/vk/openvk/preload/geckox/d/b/b/f.java
			com/bykv/vk/openvk/preload/geckox/d/c.java
	Open a file from given absolute path of the file	file	com/bykv/vk/openvk/preload/geckox/f/a.java
00022			com/bykv/vk/openvk/preload/geckox/f/a/c.java
			com/bykv/vk/openvk/preload/geckox/f/b.java
			com/bykv/vk/openvk/preload/geckox/g/c.java
			com/bykv/vk/openvk/preload/geckox/utils/BsPatch.java
			com/bykv/vk/openvk/preload/geckox/utils/c.java
			com/bytedance/adsdk/lottie/Jd/so.java
			com/bytedance/adsdk/lottie/Jd/yiw.java
			com/bytedance/adsdk/lottie/yiw.java
			com/bytedance/sdk/component/adexpress/pvs/icD/vG.java
			com/bytedance/sdk/component/icD.java
			com/bytedance/sdk/component/utils/sUS.java
			com/bytedance/sdk/openadsdk/CacheDirFactory.java
			com/bytedance/sdk/openadsdk/component/reward/Jd.java
			com/bytedance/sdk/openadsdk/component/reward/qh.java
			com/bytedance/sdk/openadsdk/component/sUS.java
			com/bytedance/sdk/openadsdk/component/yiw/pvs.java
			com/bytedance/sdk/openadsdk/core/settings/bNS.java
			com/bytedance/sdk/openadsdk/core/video/icD/pvs.java
			com/bytedance/sdk/openadsdk/icD/Jd/pvs/pvs.java
			com/bytedance/sdk/openadsdk/multipro/vG.java
			com/mbridge/msdk/foundation/download/resource/MBResourceManager.java
			com/mbridge/msdk/foundation/download/utils/Objects.java
			com/mbridge/msdk/foundation/download/utils/Objects.java

RULE	DE11474011D		com/mbridge/msdk/foundation/same/b/e.java <u>com/m</u> bridge/msdk/foundation/tools/ag.java
ID	BEHAVIOUR	LABEL	FILES com/mbridge/msdk/foundation/tools/ah.java
I I D			com/mbridge/msdk/mbbanner/common/c/b.java
			com/mbridge/msdk/newreward/function/c/c/w.java
			com/mbridge/msdk/newreward/function/command/receiver/a/h.java
			com/mbridge/msdk/newreward/function/command/receiver/a/i.java
			com/mbridge/msdk/newreward/player/presenter/PlayTemplePresenter.java
			com/mbridge/msdk/newreward/player/presenter/PlayWebPresenter.java
			com/mbridge/msdk/reward/adapter/c.java
			com/mbridge/msdk/splash/c/d.java
			com/mbridge/msdk/video/module/a/a/o.java
			com/pgl/ssdk/B.java
			com/pgl/ssdk/K.java
			h4/d.java
			ic/h.java
			qc/a.java
			t9/e.java
			w1/a0.java
			w1/m0.java
			y3/k.java y3/n.java
			yonijava

RULE ID	BEHAVIOUR	LABEL	FILES
00005	Get absolute path of file and put it to JSON object	file	com/apm/insight/b/b.java com/apm/insight/k/b.java com/apm/insight/l/i.java com/apm/insight/nativecrash/b.java com/apm/insight/nativecrash/c.java com/apm/insight/runtime/s.java com/apm/insight/runtime/s.java com/bytedance/sdk/openadsdk/component/reward/Jd.java com/bytedance/sdk/openadsdk/component/reward/qh.java com/bytedance/sdk/openadsdk/component/sUS.java com/bytedance/sdk/openadsdk/component/yiw/pvs.java com/bytedance/sdk/openadsdk/core/video/icD/pvs.java com/bytedance/sdk/openadsdk/icD/Jd/pvs/pvs.java com/bytedance/sdk/icD/Jd/pvs/pvs.java

RULE ID	BEHAVIOUR	LABEL	FILES
00004	Get filename and put it to JSON object	file collection	com/apm/insight/b/b.java com/apm/insight/k/b.java com/apm/insight/k/b.java com/apm/insight/k/b.java com/apm/insight/k/d.java com/apm/insight/k/e.java com/apm/insight/l/i.java com/apm/insight/l/i.java com/apm/insight/l/i.java com/apm/insight/nativecrash/b.java com/apm/insight/nativecrash/c.java com/apm/insight/runtime/s.java com/apm/insight/runtime/s.java com/bytedance/sdk/openadsdk/Wyp/vG.java com/bytedance/sdk/openadsdk/component/reward/Jd.java com/bytedance/sdk/openadsdk/component/sUS.java com/bytedance/sdk/openadsdk/core/settings/mnm.java com/bytedance/sdk/openadsdk/core/settings/vG.java com/bytedance/sdk/openadsdk/core/sitings/vG.java com/bytedance/sdk/openadsdk/core/video/icD/pvs.java com/bytedance/sdk/openadsdk/core/video/icD/pvs.java com/pgl/ssdk/Co163q.java com/pgl/ssdk/y.java q5/m.java qc/a.java qd/d.java y/d.java z5/a.java

RULE ID	BEHAVIOUR	LABEL	FILES
00014	Read file into a stream and put it into a JSON object	file	c6/a.java com/apm/insight/l/a.java com/apm/insight/l/i.java com/bytedance/sdk/openadsdk/core/video/icD/pvs.java com/bytedance/sdk/openadsdk/core/video/icD/pvs.java com/mbridge/msdk/foundation/tools/ab.java com/mbridge/msdk/foundation/tools/ai.java com/mbridge/msdk/newreward/function/h/c.java com/pgl/ssdk/C0163q.java ic/h.java m4/e.java nc/b.java qd/d.java r/i.java y/x.java y/s.java
			c1/i.java c2/g.java c6/a.java cl/v.java com/adjust/sdk/PreinstallUtil.java com/apm/insight/k/j.java com/apm/insight/l/a.java com/apm/insight/l/d.java com/apm/insight/l/i.java com/apm/insight/l/i.java com/apm/insight/l/i.java com/bykv/vk/openvk/component/video/pvs/Jd/Jd.java com/bykv/vk/openvk/preload/geckox/f/a/c.java com/bytedance/adsdk/lottie/Jd/so.java com/bytedance/adsdk/lottie/Jd/yiw.java com/bytedance/sdk/component/NB/vG/pvs/pvs/pvs.java com/bytedance/sdk/component/adexpress/pvs/icD/icD.java com/bytedance/sdk/component/icD.java com/bytedance/sdk/component/icD.java com/bytedance/sdk/component/utils/NB.java com/bytedance/sdk/component/utils/NB.java

RULE ID	BEHAVIOUR	LABEL	com/bytedance/sdk/openadsdk/core/settings/bNS.java com/bytedance/sdk/openadsdk/core/video/icD/pvs.java FILES com/bytedance/sdk/openadsdk/utils/dX.java com/mbridge/msdk/dycreator/a/a.java
00013	Read file and put it into a stream	file	com/mbridge/msdk/foundation/tools/ab.java com/mbridge/msdk/foundation/tools/ab.java com/mbridge/msdk/foundation/tools/ai.java com/mbridge/msdk/foundation/tools/ai.java com/mbridge/msdk/playercommon/exoplayer2/upstream/ContentDataSource. java com/mbridge/msdk/playercommon/exoplayer2/upstream/RawResourceDataS ource.java com/mbridge/msdk/playercommon/exoplayer2/util/AtomicFile.java com/mbridge/msdk/playercommon/exoplayer2/util/AtomicFile.java com/mbridge/msdk/thrid/okio/Okio.java com/pgl/ssdk/C0163q.java g1/l.java g1/l.java g1/l.java h1/c.java h4/d.java hc/e.java hc/h.java hc/h.java j/g.java lc/a.java m4/e.java nc/b.java p4/f.java p5/f.java q5/g.java q4/d.java rf.java rf.java rf.java r2/a.java x2/i.java sh/u.java sh/u.java w1/h0.java w1/m0.java y/x.java

RULE ID	BEHAVIOUR	LABEL	y1/f.java y3/f.java y3/f.java F1LES y3/k.java y5/k.java
			y9/g0.java z1/k.java zq/i.java
00096	Connect to a URL and set request method	command network	ba/a0.java com/apm/insight/k/e.java com/apm/insight/k/j.java com/bumptech/glide/manager/d.java com/bytedance/adsdk/lottie/Jd/icD.java com/bytedance/sdk/component/NB/icD/pvs.java com/bytedance/sdk/component/icD/pvs/pvs/pvs/icD.java com/bytedance/sdk/openadsdk/IP/vG.java com/bytedance/sdk/openadsdk/IP/vG.java com/mbridge/msdk/click/h.java com/mbridge/msdk/newreward/player/redirect/UrlReDirectController.java com/mbridge/msdk/playercommon/exoplayer2/upstream/DefaultHttpDataSou rce.java com/mbridge/msdk/tracker/network/toolbox/h.java com/pgl/ssdk/G.java r/i.java y9/d1.java

RULE ID	BEHAVIOUR	LABEL	FILES
00109	Connect to a URL and get the response code	network command	ba/k2.java ba/q0.java c9/d.java com/apm/insight/k/e.java com/apm/insight/k/j.java com/bumptech/glide/load/data/l.java com/bytedance/sdk/component/icD/pvs/pvs/pvs/icD.java com/bytedance/sdk/openadsdk/IP/vG.java com/mbridge/msdk/click/h.java com/mbridge/msdk/foundation/download/download/DownLoadUtils.java com/mbridge/msdk/newreward/player/redirect/UrlReDirectController.java com/mbridge/msdk/playercommon/exoplayer2/upstream/DefaultHttpDataSou rce.java com/mbridge/msdk/tracker/network/toolbox/h.java com/pgl/ssdk/G.java n8/k.java r/i.java rd/c.java y9/d1.java

RULE ID	BEHAVIOUR	LABEL	FILES
00089	Connect to a URL and receive input stream from the server	command network	com/apm/insight/k/e.java com/apm/insight/k/j.java com/bumptech/glide/load/data/l.java com/bumptech/glide/manager/d.java com/bytedance/sdk/component/NB/icD/pvs.java com/bytedance/sdk/openadsdk/IP/vG.java com/mbridge/msdk/click/h.java com/mbridge/msdk/foundation/download/download/DownLoadUtils.java com/mbridge/msdk/foundation/exoplayer2/upstream/DefaultHttpDataSou rce.java com/mbridge/msdk/tracker/network/toolbox/h.java com/pgl/ssdk/G.java m6/b.java r/i.java rd/c.java y9/d1.java
00030	Connect to the remote server through the given URL	network	ba/a0.java ba/q0.java com/adjust/sdk/AdjustLinkResolution.java com/bumptech/glide/load/data/l.java com/bytedance/adsdk/lottie/Jd/icD.java com/bytedance/sdk/component/NB/icD/pvs.java com/bytedance/sdk/component/icD/pvs/pvs/jos/java com/bytedance/sdk/component/icD/pvs/pvs/jos/java com/mbridge/msdk/click/h.java com/mbridge/msdk/playercommon/exoplayer2/upstream/DefaultHttpDataSou rce.java com/pgl/ssdk/G.java

RULE ID	BEHAVIOUR	LABEL	FILES
00094	Connect to a URL and read data from it	command network	com/apm/insight/k/e.java com/apm/insight/k/j.java com/bytedance/sdk/component/NB/icD/pvs.java com/mbridge/msdk/foundation/download/download/DownLoadUtils.java com/mbridge/msdk/playercommon/exoplayer2/upstream/DefaultHttpDataSou rce.java com/pgl/ssdk/G.java k5/b.java
00108	Read the input stream from given URL	network command	ba/j2.java ba/o0.java com/apm/insight/k/e.java com/apm/insight/k/j.java com/bytedance/sdk/component/NB/icD/pvs.java com/bytedance/sdk/component/icD/pvs/pvs/pvs/so.java com/bytedance/sdk/component/icD/pvs/pvs/pvs/so.java com/mbridge/msdk/foundation/download/download/DownLoadUtils.java com/mbridge/msdk/playercommon/exoplayer2/upstream/DefaultHttpDataSou rce.java com/pgl/ssdk/G.java
			al/c.java ba/q3.java ba/x3.java bb/e.java bd/a.java cl/n0.java cl/x.java com/adjust/sdk/ActivityHandler.java com/adjust/sdk/PreinstallUtil.java com/bytedance/sdk/openadsdk/activity/TTWebsiteActivity.java com/bytedance/sdk/openadsdk/common/Mxy.java com/bytedance/sdk/openadsdk/core/act/pvs.java com/bytedance/sdk/openadsdk/core/ae.java com/bytedance/sdk/openadsdk/core/widget/pvs/NB.java com/bytedance/sdk/openadsdk/core/widget/pvs/NB.java com/bytedance/sdk/openadsdk/core/widget/pvs/NB.java

RULE ID	BEHAVIOUR	LABEL	com/bytedance/sdk/openadsdk/utils/DeviceUtils.java com/bytedance/sdk/openadsdk/utils/cR.java FILES com/bytedance/sdk/openadsdk/utils/jlb.java com/com/bytedance/overseas/sdk/pvs/icD.java
00063	Implicit intent(view a web page, make a phone call, etc.)	control	com/com/bytedance/overseas/sdk/pvs/pvs.java com/karumi/dexter/listener/SettingsClickListener.java com/mbridge/msdk/activity/DomainMBCommonActivity.java com/mbridge/msdk/click/c.java com/mbridge/msdk/foundation/tools/MIMManager.java com/mbridge/msdk/foundation/tools/MIMManager.java com/mbridge/msdk/foundation/webview/a.java com/mbridge/msdk/foundation/webview/a.java com/mbridge/msdk/mbbanner/common/communication/BannerExpandDialog .java com/mbridge/msdk/mbbanner/view/a.java com/mbridge/msdk/mbbanner/view/a.java com/mbridge/msdk/mbsignalcommon/commonwebview/CommonWebView.ja va com/mbridge/msdk/newreward/player/model/BaseWebContentModel.java com/mbridge/msdk/splash/signal/SplashExpandDialog.java com/mbridge/msdk/video/module/a/a.java d9/f.java e6/f0.java e6/f0.java e6/f0.java e6/q0.java ik/x.java jg/n.java k/k.java ns/a3.java qk/s.java qk/s.java y9/v.java z5/c.java
00003	Put the compressed bitmap data into JSON object	camera	y9/q.java

RULE ID	BEHAVIOUR	LABEL	FILES	
00036	Get resource file from res/raw directory	reflection	ao/z.java cl/n0.java com/adjust/sdk/ActivityHandler.java com/adjust/sdk/DeviceInfo.java com/adjust/sdk/InstallReferrerHuawei.java com/bytedance/sdk/openadsdk/core/ae.java com/bytedance/sdk/openadsdk/utils/jlb.java com/bytedance/sdk/openadsdk/utils/jlb.java com/bytedance/overseas/sdk/pvs/icD.java com/com/bytedance/overseas/sdk/pvs/icD.java com/karumi/dexter/listener/SettingsClickListener.java com/mbridge/msdk/foundation/tools/MIMManager.java com/mbridge/msdk/foundation/tools/ai.java com/mbridge/msdk/mbbanner/common/c/b.java com/mbridge/msdk/splash/c/e.java d9/f.java e6/l0.java e6/w0.java ik/x.java x4/n.java z5/c.java	
00034	Query the current data network type	collection network	com/apm/insight/l/p.java com/bykv/vk/openvk/preload/geckox/utils/h.java com/mbridge/msdk/foundation/tools/z.java z5/c.java	
00012	Read data and put it into a buffer stream	file	c2/g.java q5/g.java y5/k.java	

RULE ID	BEHAVIOUR	LABEL	FILES	
00125	Check if the given file path exist	file	com/mbridge/msdk/mbbanner/common/communication/a.java com/mbridge/msdk/reward/adapter/c.java com/mbridge/msdk/splash/c/e.java r/i.java z5/a.java	
00051	Implicit intent(view a web page, make a phone call, etc.) via setData control		bb/e.java com/bytedance/sdk/openadsdk/activity/TTWebsiteActivity.java com/bytedance/sdk/openadsdk/common/Mxy.java com/bytedance/sdk/openadsdk/core/ae.java com/bytedance/sdk/openadsdk/core/widget/pvs/NB.java com/bytedance/sdk/openadsdk/qh/vG.java com/bytedance/sdk/openadsdk/utils/cR.java com/bytedance/overseas/sdk/pvs/icD.java com/com/bytedance/overseas/sdk/pvs/pvs.java com/com/bytedance/overseas/sdk/pvs/pvs.java com/mbridge/msdk/click/c.java com/mbridge/msdk/click/c.java com/mbridge/msdk/video/module/a/a/a.java d9/f.java e6/l0.java e6/l0.java ik/x.java jg/l.java jg/l.java jg/n.java jg/n.java z5/c.java	
00191	Get messages in the SMS inbox	sms	com/adjust/sdk/DeviceInfo.java com/adjust/sdk/InstallReferrerMeta.java com/bytedance/sdk/openadsdk/multipro/pvs/pvs.java com/mbridge/msdk/foundation/tools/MIMManager.java e6/f0.java z5/c.java	

RULE ID	BEHAVIOUR	LABEL	FILES	
00163	Create new Socket and connecting to it	socket	com/adjust/sdk/network/ActivityPackageSender.java com/mbridge/msdk/thrid/okhttp/OkHttpClient.java com/mbridge/msdk/thrid/okhttp/internal/connection/StreamAllocation.java com/mbridge/msdk/thrid/okhttp/internal/platform/AndroidPlatform.java com/mbridge/msdk/thrid/okhttp/internal/platform/Platform.java	
00009	Put data in cursor to JSON object	file	com/mbridge/msdk/foundation/db/c.java com/mbridge/msdk/foundation/db/k.java com/mbridge/msdk/foundation/tools/MIMManager.java com/mbridge/msdk/newreward/function/d/a.java q5/m.java t9/l.java y/d.java z5/c.java	
00091	Retrieve data from broadcast	collection	com/mbridge/msdk/foundation/tools/MIMManager.java e6/f0.java m4/t.java m8/n0.java n3/b.java n6/c0.java u3/f.java	
00104	Check if the given path is directory	file	y9/c0.java	
00024	Write file after Base64 decoding	reflection file	com/bytedance/adsdk/lottie/yiw.java y3/n.java	
00015	Put buffer stream (data) to JSON object	file	e6/l0.java	

RULE ID	BEHAVIOUR	LABEL	FILES	
00078	Get the network operator name	collection telephony	com/apm/insight/entity/Header.java e6/l0.java	
00028	Read file from assets directory	file	com/mbridge/msdk/playercommon/exoplayer2/upstream/AssetDataSource.jav a	
00189	Get the content of a SMS message	sms	com/adjust/sdk/DeviceInfo.java e6/f0.java n9/e.java	
00188	Get the address of a SMS message	sms	com/adjust/sdk/DeviceInfo.java e6/f0.java n9/e.java	
00011	Query data from URI (SMS, CALLLOGS)	sms calllog collection	com/adjust/sdk/DeviceInfo.java e6/f0.java	
00200	Query data from the contact list	collection contact	com/adjust/sdk/DeviceInfo.java e6/f0.java n9/e.java	
00187	Query a URI and check the result	collection sms calllog calendar	e6/f0.java	
00201	Query data from the call log	collection calllog	com/adjust/sdk/DeviceInfo.java e6/f0.java n9/e.java	
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	com/adjust/sdk/DeviceInfo.java e6/f0.java f/v.java n9/e.java	

RULE ID	BEHAVIOUR	LABEL	FILES	
00001	Initialize bitmap object and compress data (e.g. JPEG) into bitmap object	camera	com/bytedance/sdk/component/utils/Jd.java t9/e.java	
00162	Create InetSocketAddress object and connecting to it	socket	com/mbridge/msdk/thrid/okhttp/internal/platform/AndroidPlatform.java com/mbridge/msdk/thrid/okhttp/internal/platform/Platform.java	
00123	Save the response to JSON after connecting to the remote server	network command	ba/a0.java	
00153	Send binary data over HTTP	http	com/apm/insight/k/e.java com/mbridge/msdk/tracker/network/toolbox/h.java	
00075	Get location of the device	collection location	f/c.java	
00137	Get last known location of the device	location collection	f/c.java	
00183	Get current camera parameters and change the setting.	camera	cg/f.java	

FIREBASE DATABASES ANALYSIS

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TITLE	SEVERITY	DESCRIPTION
Firebase Remote Config enabled	warning	The Firebase Remote Config at https://firebaseremoteconfig.googleapis.com/v1/projects/963490987497/namespaces/firebase:fetch? key=AlzaSyCxOBq8maxdzNz2DHDvRlNRhE81-yrdSUU is enabled. Ensure that the configurations are not sensitive. This is indicated by the response: {'entries': {'advice_inter_rewarded': 'false', 'advice_reward': 'true', 'hidden_native_ads': 'false', 'inter_ads_gap': '60000', 'inter_and_open_app_gap': '7000', 'is_monetization': 'false', 'main_banner': 'true', 'max_time_gap': '30000', 'min_time_gap': '5000', 'native_language': 'true', 'noti_status': '1', 'number_ignore_gap_request_ad': '2', 'number_native_ad_need_load': '1', 'tracker_banner': 'true', 'tracker_native': 'true', 'user': 'false'}, 'state': 'UPDATE', 'templateVersion': '45'}

***: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	8/25	android.permission.RECEIVE_BOOT_COMPLETED, android.permission.VIBRATE, android.permission.WAKE_LOCK, android.permission.CAMERA, android.permission.INTERNET, android.permission.WRITE_EXTERNAL_STORAGE, android.permission.READ_EXTERNAL_STORAGE, android.permission.ACCESS_NETWORK_STATE
Other Common Permissions	3/44	android.permission.FOREGROUND_SERVICE, com.google.android.gms.permission.AD_ID, 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	
app.adjust.cn	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou	
subscription.adjust.cn	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou	
gdpr.adjust.cn	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou	
ssrv.adjust.cn	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou	

Q DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
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DOMAIN	STATUS	GEOLOCATION
app.adjust.cn	ok	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map
app.eu.adjust.com	ok	IP: 185.151.204.60 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
ssdk-va.pangle.io	ok	IP: 96.16.55.147 Country: United States of America Region: Louisiana City: New Orleans Latitude: 29.954651 Longitude: -90.075073 View: Google Map
gdpr.adjust.world	ok	IP: 185.151.204.40 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map

DOMAIN	STATUS	GEOLOCATION
gdpr.tr.adjust.com	ok	IP: 195.244.54.6 Country: Turkey Region: Izmir City: Izmir Latitude: 38.412731 Longitude: 27.138380 View: Google Map
www.googleadservices.com	ok	IP: 74.125.136.156 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
graph-video.s	ok	No Geolocation information available.
app.adjust.net.in	ok	IP: 185.151.204.30 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
whatwg.org	ok	IP: 165.227.248.76 Country: United States of America Region: New Jersey City: Clifton Latitude: 40.858429 Longitude: -74.163757 View: Google Map

DOMAIN	STATUS	GEOLOCATION
support.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
app.adjust.com	ok	IP: 185.151.204.12 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
issuetracker.google.com	ok	IP: 64.233.177.113 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
gdpr.adjust.com	ok	IP: 185.151.204.50 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map

DOMAIN	STATUS	GEOLOCATION
subscription.tr.adjust.com	ok	IP: 195.244.54.5 Country: Turkey Region: Izmir City: Izmir Latitude: 38.412731 Longitude: 27.138380 View: Google Map
ssrv.us.adjust.com	ok	IP: 185.151.204.70 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
fundingchoicesmessages.google.com	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
play.google.com	ok	IP: 172.253.124.102 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
graph.s	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
api16-access-sg.pangle.io	ok	IP: 23.62.226.175 Country: Japan Region: Tokyo City: Tokyo Latitude: 35.689507 Longitude: 139.691696 View: Google Map
googlemobileadssdk.page.link	ok	IP: 74.125.21.132 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
facebook.com	ok	IP: 31.13.70.36 Country: United States of America Region: California City: Los Angeles Latitude: 34.052231 Longitude: -118.243683 View: Google Map
github.com	ok	IP: 140.82.112.3 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
log.sgsnssdk.com	ok	IP: 23.45.173.146 Country: United States of America Region: California City: El Segundo Latitude: 33.919182 Longitude: -118.416473 View: Google Map
ssrv.adjust.world	ok	IP: 185.151.204.206 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
firebase.google.com	ok	IP: 74.125.136.101 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.w3.org	ok	IP: 104.18.23.19 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
sites.google.com	ok	IP: 142.250.9.139 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
subscription.adjust.world	ok	IP: 185.151.204.44 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
developer.android.com	ok	IP: 64.233.176.138 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.google.com	ok	IP: 142.251.15.147 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
sf16-fe-tos-sg.i18n-pglstatp.com	ok	IP: 23.32.152.242 Country: United States of America Region: Florida City: West Palm Beach Latitude: 26.715340 Longitude: -80.053368 View: Google Map
ssrv.adjust.com	ok	IP: 185.151.204.2 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
ssrv.adjust.net.in	ok	IP: 185.151.204.207 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
gdpr.eu.adjust.com	ok	IP: 185.151.204.60 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map

DOMAIN	STATUS	GEOLOCATION
ssdk-sg.pangle.io	ok	IP: 96.16.55.157 Country: United States of America Region: Louisiana City: New Orleans Latitude: 29.954651 Longitude: -90.075073 View: Google Map
developers.facebook.com	ok	IP: 31.13.70.1 Country: United States of America Region: California City: Los Angeles Latitude: 34.052231 Longitude: -118.243683 View: Google Map
subscription.eu.adjust.com	ok	IP: 185.151.204.60 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
gdpr.us.adjust.com	ok	IP: 185.151.204.70 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map

DOMAIN	STATUS	GEOLOCATION
sf16-static.i18n-pglstatp.com	ok	IP: 23.220.73.53 Country: Colombia Region: Antioquia City: Medellin Latitude: 6.251840 Longitude: -75.563591 View: Google Map
app-measurement.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
pangolin16.sgsnssdk.com	ok	IP: 23.66.3.72 Country: United States of America Region: Massachusetts City: Cambridge Latitude: 42.363598 Longitude: -71.085205 View: Google Map
api16-endcard-pack-sg.pangle.io	ok	IP: 23.62.226.170 Country: Japan Region: Tokyo City: Tokyo Latitude: 35.689507 Longitude: 139.691696 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.example.com	ok	IP: 23.220.73.58 Country: Colombia Region: Antioquia City: Medellin Latitude: 6.251840 Longitude: -75.563591 View: Google Map
subscription.adjust.cn	ok	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map
subscription.adjust.net.in	ok	IP: 185.151.204.34 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
pangolin16.isnssdk.com	ok	IP: 23.62.226.163 Country: Japan Region: Tokyo City: Tokyo Latitude: 35.689507 Longitude: 139.691696 View: Google Map

DOMAIN	STATUS	GEOLOCATION
gdpr.adjust.cn	ok	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map
firebaseremoteconfigrealtime.googleapis.com	ok	IP: 172.217.215.95 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
sf19-static.i18n-pglstatp.com	ok	IP: 151.101.198.73 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
app.adjust.world	ok	IP: 185.151.204.41 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map

DOMAIN	STATUS	GEOLOCATION
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
sf16-scmcdn-sg.ibytedtos.com	ok	IP: 23.206.229.173 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
ssrv.eu.adjust.com	ok	IP: 185.151.204.60 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
ssrv.tr.adjust.com	ok	IP: 195.244.54.5 Country: Turkey Region: Izmir City: Izmir Latitude: 38.412731 Longitude: 27.138380 View: Google Map

DOMAIN	STATUS	GEOLOCATION
log-mva.isnssdk.com	ok	IP: 23.62.226.165 Country: Japan Region: Tokyo City: Tokyo Latitude: 35.689507 Longitude: 139.691696 View: Google Map
gist.github.com	ok	IP: 140.82.112.3 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
subscription.us.adjust.com	ok	IP: 185.151.204.70 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
app.tr.adjust.com	ok	IP: 195.244.54.6 Country: Turkey Region: Izmir City: Izmir Latitude: 38.412731 Longitude: 27.138380 View: Google Map

DOMAIN	STATUS	GEOLOCATION
gdpr.adjust.net.in	ok	IP: 185.151.204.31 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
app.us.adjust.com	ok	IP: 185.151.204.70 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
ns.adobe.com	ok	No Geolocation information available.
ssrv.adjust.cn	ok	IP: 47.104.30.117 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map
schemas.microsoft.com	ok	IP: 13.107.253.71 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.googleapis.com	ok	IP: 64.233.177.95 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
firebase-settings.crashlytics.com	ok	IP: 142.250.9.94 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.
subscription.adjust.com	ok	IP: 185.151.204.52 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
www.pangleglobal.com	ok	IP: 23.62.226.171 Country: Japan Region: Tokyo City: Tokyo Latitude: 35.689507 Longitude: 139.691696 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.googletagmanager.com	ok	IP: 74.125.21.97 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
xmlpull.org	ok	IP: 185.199.110.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map
p16-sign-sg.tiktokcdn.com	ok	IP: 23.32.152.247 Country: United States of America Region: Florida City: West Palm Beach Latitude: 26.715340 Longitude: -80.053368 View: Google Map
www.facebook.com	ok	IP: 31.13.70.36 Country: United States of America Region: California City: Los Angeles Latitude: 34.052231 Longitude: -118.243683 View: Google Map

DOMAIN	STATUS	GEOLOCATION
goo.gl	ok	IP: 64.233.176.101 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
.facebook.com	ok	No Geolocation information available.

EMAILS

EMAIL	FILE
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dreamcity.techvn@gmail.com	w1/s.java

A TRACKERS

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Facebook Login	Identification	https://reports.exodus-privacy.eu.org/trackers/67

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Google AdMob	Advertisement	https://reports.exodus-privacy.eu.org/trackers/312
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Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
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Mintegral	Advertisement, Analytics	https://reports.exodus-privacy.eu.org/trackers/200
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▶ HARDCODED SECRETS

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POSSIBLE SECRETS

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SxHy+zpC+eGmQUPW4BYYcldQdVxiSSVnY0gIrWauGKU=



Timestamp	Event	Error
2025-08-29 20:10:42	Generating Hashes	ОК
2025-08-29 20:10:42	Extracting APK	ОК
2025-08-29 20:10:42	Unzipping	ОК
2025-08-29 20:10:42	Parsing APK with androguard	ОК
2025-08-29 20:10:45	Extracting APK features using aapt/aapt2	ОК
2025-08-29 20:10:46	Getting Hardcoded Certificates/Keystores	ОК
2025-08-29 20:10:50	Parsing AndroidManifest.xml	ОК
2025-08-29 20:10:50	Extracting Manifest Data	ОК
2025-08-29 20:10:50	Manifest Analysis Started	ОК
2025-08-29 20:10:50	Performing Static Analysis on: Blood Sugar (com.blood.sugar.diabetes.tracker)	ОК

2025-08-29 20:10:50	Fetching Details from Play Store: com.blood.sugar.diabetes.tracker	ОК
2025-08-29 20:10:51	Checking for Malware Permissions	ОК
2025-08-29 20:10:51	Fetching icon path	ОК
2025-08-29 20:10:51	Library Binary Analysis Started	OK
2025-08-29 20:10:51	Reading Code Signing Certificate	OK
2025-08-29 20:10:52	Running APKiD 2.1.5	OK
2025-08-29 20:10:56	Detecting Trackers	ОК
2025-08-29 20:10:58	Decompiling APK to Java with JADX	OK
2025-08-29 20:11:17	Converting DEX to Smali	ОК
2025-08-29 20:11:17	Code Analysis Started on - java_source	ОК

2025-08-29 20:11:21	Android SBOM Analysis Completed	ОК
2025-08-29 20:11:32	Android SAST Completed	ОК
2025-08-29 20:11:32	Android API Analysis Started	ОК
2025-08-29 20:11:43	Android API Analysis Completed	ОК
2025-08-29 20:11:44	Android Permission Mapping Started	ОК
2025-08-29 20:11:53	Android Permission Mapping Completed	OK
2025-08-29 20:11:53	Android Behaviour Analysis Started	OK
2025-08-29 20:12:07	Android Behaviour Analysis Completed	ОК
2025-08-29 20:12:07	Extracting Emails and URLs from Source Code	ОК
2025-08-29 20:12:13	Email and URL Extraction Completed	OK
2025-08-29 20:12:13	Extracting String data from APK	ОК

2025-08-29 20:12:16	Extracting String data from Code	OK
2025-08-29 20:12:16	Extracting String values and entropies from Code	OK
2025-08-29 20:12:19	Performing Malware check on extracted domains	ОК
2025-08-29 20:12:54	Saving to Database	ОК

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

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