

### ANDROID STATIC ANALYSIS REPORT



**#** Blood Donor (2.17.0)

File Name:	com.cube.arc.blood_4307.apk
Package Name:	com.cube.arc.blood
Scan Date:	Aug. 29, 2025, 9:25 p.m.
App Security Score:	<b>52/100 (MEDIUM RISK)</b>
Grade:	
Trackers Detection:	7/432

### FINDINGS SEVERITY

<b>≟</b> HIGH	▲ MEDIUM	i INFO	✓ SECURE	<b>◎</b> HOTSPOT
2	15	3	2	1

#### FILE INFORMATION

**File Name:** com.cube.arc.blood\_4307.apk

Size: 49.36MB

MD5: 00855ae33f828f157f1892220b3a9163

**SHA1**: 981128e3408664515dabe1d19283853b41d55dcc

**SHA256**: 33bb5d0d4724ba263cf13c06cd346aac754f566effc2f6faf253c4bab2141545

### **i** APP INFORMATION

App Name: Blood Donor

Package Name: com.cube.arc.blood

Main Activity: com.cube.arc.blood.BootActivity

Target SDK: 35 Min SDK: 29 Max SDK:

**Android Version Name: 2.17.0** 

#### **EE** APP COMPONENTS

Activities: 70 Services: 14 Receivers: 17 Providers: 4

Exported Activities: O Exported Services: 1 Exported Receivers: 4 Exported Providers: O

#### **\*** CERTIFICATE INFORMATION

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

X.509 Subject: C=GB, ST=Dorset, L=Bournemouth, O=3 SIDED CUBE, OU=Android Team, CN=Callum Taylor

Signature Algorithm: rsassa\_pkcs1v15 Valid From: 2014-07-16 16:12:54+00:00 Valid To: 2039-07-10 16:12:54+00:00

Issuer: C=GB, ST=Dorset, L=Bournemouth, O=3 SIDED CUBE, OU=Android Team, CN=Callum Taylor

Serial Number: 0x53c6a486 Hash Algorithm: sha1

md5: 16fb334ea2567f659bdffa6d7b333149

sha1: f858b686e32081c31700ebe3723791a9e4679f09

sha256: 8b3736c9be6fb9594d4aece7de95187e779acb10cea8238bb118287557c6f04b

sha512: a34437e49d74d71703c096e10734e449f061b23815d2e1be9288669c6041d3ee7e7ea68680f0a9149fd02caaab54811c540ef51d00f3a56b2857a222a336d562

PublicKey Algorithm: rsa

Bit Size: 1024

Fingerprint: 6b704b1f15cd290c478b33c5a4124dc2bc1df0059b901a71789187b04f9c823f

Found 1 unique certificates

### **E** APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.READ_MEDIA_IMAGES	dangerous	allows reading image files from external storage.	Allows an application to read image files from external storage.
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.READ_PROFILE	dangerous	read the user's personal profile data	Allows an application to read the user's personal profile data.
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.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.

PERMISSION	STATUS	INFO	DESCRIPTION
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.CHANGE_NETWORK_STATE	normal	change network connectivity	Allows applications to change network connectivity state.
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.USE_BIOMETRIC	normal	allows use of device- supported biometric modalities.	Allows an app to use device supported biometric modalities.
android.permission.USE_FINGERPRINT	normal	allow use of fingerprint	This constant was deprecated in API level 28. Applications should request USE_BIOMETRIC instead.
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
com.cube.arc.blood.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	normal	permission defined by google	A custom permission defined by Google.
com.google.android.gms.permission.AD_ID	normal	application shows advertisements	This app uses a Google advertising ID and can possibly serve advertisements.
android.permission.ACCESS_ADSERVICES_ATTRIBUTION	normal	allow applications to access advertising service attribution	This enables the app to retrieve information related to advertising attribution, which can be used for targeted advertising purposes. App can gather data about how users interact with ads, such as clicks or impressions, to measure the effectiveness of advertising campaigns.
android.permission.ACCESS_ADSERVICES_AD_ID	normal	allow app to access the device's advertising ID.	This ID is a unique, user-resettable identifier provided by Google's advertising services, allowing apps to track user behavior for advertising purposes while maintaining user privacy.
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.

# **M** APKID ANALYSIS

FILE	DETAILS		
00855ae33f828f157f1892220b3a9163.apk	FINDINGS		DETAILS
00055ае551020115711052222055а5105.арк	Anti-VM Code		possible VM check
	FINDINGS	DETAILS	
classes.dex	yara_issue	yara_issue yara issue - dex file recognized by apkid but not yara module	
	Anti-VM Code  Build.FINGERPRINT check  Build.MANUFACTURER check  network operator name check		R check
	Compiler unknown (please file detection issue!)		detection issue!)
	FINDINGS	DETAILS	
classes2.dex	yara_issue	yara issue - dex file red	cognized by apkid but not yara module
	Compiler unknown (please file o		detection issue!)

FILE	DETAILS		
	FINDINGS	DETAILS	
classes3.dex	yara_issue	yara issue - dex file recognized by apkid but not yara module	
	Compiler	unknown (please file detection issue!)	
	FINDINGS	DETAILS	
	yara_issue	yara issue - dex file recognized by apkid but not yara module	
classes4.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check Build.BOARD check Build.TAGS check SIM operator check	
	Compiler	unknown (please file detection issue!)	

FILE	DETAILS	
	FINDINGS	DETAILS
	yara_issue	yara issue - dex file recognized by apkid but not yara module
	Anti Debug Code	Debug.isDebuggerConnected() check
classes5.dex	Anti-VM Code	Build.MODEL check Build.PRODUCT check Build.HARDWARE check Build.TAGS check network operator name check possible VM check
	Compiler	unknown (please file detection issue!)

## **BROWSABLE ACTIVITIES**

|--|

ACTIVITY	INTENT
com.cube.arc.blood.BootActivity	Schemes: arcblooddonorapp://, https://, Hosts: redcrossblood.app.link, redcrossblood.test-app.link, redcrossblood-alternate.app.link, redcrossblood-alternate.test-app.link,

### **△** NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION	
----	-------	----------	-------------	--

#### **CERTIFICATE ANALYSIS**

HIGH: 0 | WARNING: 1 | INFO: 1

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate
Certificate algorithm might be vulnerable to hash collision	warning	Application is signed with SHA1withRSA. SHA1 hash algorithm is known to have collision issues. The manifest file indicates SHA256withRSA is in use.

## **Q** MANIFEST ANALYSIS

HIGH: 1 | WARNING: 5 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	Clear text traffic is Enabled For App [android:usesCleartextTraffic=true]	high	The app intends to use cleartext network traffic, such as cleartext HTTP, FTP stacks, DownloadManager, and MediaPlayer. The default value for apps that target API level 27 or lower is "true". Apps that target API level 28 or higher default to "false". The key reason for avoiding cleartext traffic is the lack of confidentiality, authenticity, and protections against tampering; a network attacker can eavesdrop on transmitted data and also modify it without being detected.
2	Broadcast Receiver (com.google.ads.conversiontracking.InstallReceiver) 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.
3	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.
4	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.

NO	ISSUE	SEVERITY	DESCRIPTION
5	Broadcast Receiver (com.google.firebase.iid.FirebaseInstanceIdReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.c2dm.permission.SEND [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
6	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: 0 | WARNING: 8 | INFO: 2 | SECURE: 1 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/adobe/marketing/mobile/AnalyticsConstants.java com/adobe/marketing/mobile/AndroidUIService.java com/adobe/marketing/mobile/App.java com/adobe/marketing/mobile/ConfigurationConstants.java com/adobe/marketing/mobile/ConfigurationExtension.java

NO	ISSUE	SEVERITY	STANDARDS	com/adobe/marketing/mobile/coreconsta
1	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	Iler.java com/adobe/marketing/mobile/EventDataKe ys.java com/adobe/marketing/mobile/IdentityCons tants.java com/adobe/marketing/mobile/LifecycleCon stants.java com/adobe/marketing/mobile/Matcher.jav a com/adobe/marketing/mobile/RuleConditi onGroup.java com/adobe/marketing/mobile/UserProfileC onstants.java com/adobe/marketing/mobile/V4ToV5Migr ation.java com/adobe/marketing/mobile/services/ui/ AndroidUlService.java com/cube/arc/blood/MainActivity.java com/cube/arc/blood/NoteActivity.java com/cube/arc/blood/PreferredLanguageAct ivity.java com/cube/arc/blood/fragment/SettingsFrag ment.java com/cube/arc/controller/handler/LoyaltyPo intsResponseHandler.java com/cube/arc/controller/handler/Webview KeyHandler.java com/cube/arc/model/models/EncryptedDat aWrapper.java com/cube/arc/model/models/EncryptedDat aWrapper.java com/cube/arc/model/models/Settings/Rem indersSettings.java io/branch/referral/Branch.java io/branch/referral/BranchPreinstall.java io/branch/referral/PrefHelper.java io/branch/referral/ServerRequest.java io/branch/referral/ServerRequestQueue.jav

NO	ISSUE	SEVERITY	STANDARDS	io/branch/referral/UniversalResourceAna ser.java
				io/branch/referral/validators/DeepLinkR
				ingValidator.java
				io/reactivex/internal/schedulers/Schedu
				PoolFactory.java
				at/grabner/circleprogress/CircleProgress
				w.java
				at/huber/youtubeExtractor/YouTubeExt
				or.java com/adobe/marketing/mobile/Abstractl
				Database.java
				com/adobe/marketing/mobile/Analytics.
				a
				com/adobe/marketing/mobile/Analytics
				e.java
				com/adobe/marketing/mobile/Analytics
				ension.java
				com/adobe/marketing/mobile/Analytics
				Schema.java
				com/adobe/marketing/mobile/Analytics
				sDatabase.java
				com/adobe/marketing/mobile/Analytics
				enerAnalyticsRequestContent.java
				com/adobe/marketing/mobile/Analytics
				enerGenericTrackRequestContent.java
				com/adobe/marketing/mobile/Analytics
				enerHubSharedState.java
				com/adobe/marketing/mobile/Analyticsl
				enerRulesEngineResponseContent.java
				com/adobe/marketing/mobile/Analytics
				e.java com/adobe/marketing/mobile/AndroidC
				pressedFileService.java
				com/adobe/marketing/mobile/AndroidD
				Store.java
				com/adobe/marketing/mobile/AndroidD
				base.java
				base.java

NO	ISSUE	SEVERITY	STANDARDS	com/adobe/marketing/mobile/AndroidData
				com/adobe/marketing/mobile/AndroidDee
				pLinkService.java
				com/adobe/marketing/mobile/AndroidEnc
				odingService.java
				com/adobe/marketing/mobile/AndroidEve
				ntHistory.java
				com/adobe/marketing/mobile/AndroidEve
				ntHistoryDatabase.java
				com/adobe/marketing/mobile/AndroidFulls
				creenMessage.java
				com/adobe/marketing/mobile/AndroidJson
				Utility.java
				com/adobe/marketing/mobile/AndroidLog
				gingService.java
				com/adobe/marketing/mobile/AndroidNet
				workService.java
				com/adobe/marketing/mobile/AndroidNet
				workServiceOverrider.java
				com/adobe/marketing/mobile/AndroidSyst
				emInfoService.java
				com/adobe/marketing/mobile/CacheMana
				ger.java
				com/adobe/marketing/mobile/Configuratio
				nData.java
				com/adobe/marketing/mobile/Configuratio
				nDownloader.java
				com/adobe/marketing/mobile/Configuratio
				nExtension.java
				com/adobe/marketing/mobile/Configuratio
				nSharedStateIdentity.java
				com/adobe/marketing/mobile/ContextData
				Util.java
				com/adobe/marketing/mobile/Core.java
				com/adobe/marketing/mobile/Core.java
				ller.java
				com/adobe/marketing/mobile/DispatcherA
				nalyticsRequestContentIdentity.java com/adobe/marketing/mobile/Event.java
				com/adobe/marketing/mobile/Event.java

NO	ISSUE	SEVERITY	STANDARDS	com/adobe/marketing/mobile/EventBus.ja
				com/adobe/marketing/mobile/EventData.ja
				va
				com/adobe/marketing/mobile/EventDataFl
				attener.java
				com/adobe/marketing/mobile/EventHub.ja
				va
				com/adobe/marketing/mobile/Extension.ja
				va
				com/adobe/marketing/mobile/ExtensionAp
				i.java
				com/adobe/marketing/mobile/ExtensionLis
				tener.java
				com/adobe/marketing/mobile/FileUtil.java
				com/adobe/marketing/mobile/FloatingButt
				onView.java
				com/adobe/marketing/mobile/FullscreenM
				essageActivity.java
				com/adobe/marketing/mobile/HexStringUti
				l.java
				com/adobe/marketing/mobile/HitQueue.ja
				va
				com/adobe/marketing/mobile/Identity.java
				com/adobe/marketing/mobile/IdentityCore
				.java
				com/adobe/marketing/mobile/IdentityExte
				nsion.java
				com/adobe/marketing/mobile/ldentityHitSc
				hema.java
				com/adobe/marketing/mobile/IdentityHits
				Database.java
				com/adobe/marketing/mobile/LifecycleCor
				e.java
				com/adobe/marketing/mobile/LifecycleExt
				ension.java
				com/adobe/marketing/mobile/LifecycleMet
				ricsBuilder.java
				com/adobe/marketing/mobile/LifecycleSes
				sion.java

NO	ISSUE	SEVERITY	STANDARDS	com/adobe/marketing/mobile/LifecycleV2 <b>5Ht-FS</b> oreCache.java
				com/adobe/marketing/mobile/LifecycleV2
				MetricsBuilder.java
				com/adobe/marketing/mobile/ListenerRule
				sEngineResponseContentSignal.java
				com/adobe/marketing/mobile/ListenerRule
				sResponseContentProfile.java
				com/adobe/marketing/mobile/ListenerUser
				ProfileRequestProfile.java
				com/adobe/marketing/mobile/ListenerUser
				ProfileRequestReset.java
				com/adobe/marketing/mobile/LocalNotific
				ationHandler.java
				com/adobe/marketing/mobile/Matcher.jav
				a
				com/adobe/marketing/mobile/MobileCore.
				java
				com/adobe/marketing/mobile/Module.java
				com/adobe/marketing/mobile/PermissiveV
				ariantSerializer.java
				com/adobe/marketing/mobile/PersistentPr
				ofileData.java
				com/adobe/marketing/mobile/RangedReso lver.java
				com/adobe/marketing/mobile/RemoteDow
				nloader.java
				com/adobe/marketing/mobile/RuleConditi
				onHistorical.java
				com/adobe/marketing/mobile/RuleConseq
				uence.java
				com/adobe/marketing/mobile/RulesEngine.
				java
				com/adobe/marketing/mobile/SignalCore.j
			CWE: CWE-532: Insertion of Sensitive Information	ava
)	The App logs information. Sensitive	info	into Log File	com/adobe/marketing/mobile/SignalExtens
•	information should never be logged.	7110	OWASP MASVS: MSTG-STORAGE-3	ion.java
			OTTO STORME	com/adobe/marketing/mobile/SignalHitSch
				ema.java
				com/adobe/marketing/mobile/SignalHitsDa

NO	ISSUE	SEVERITY	STANDARDS	tabase.java Fold Fold Signal Templ ate.java
				com/adobe/marketing/mobile/StringEncod er.java
				com/adobe/marketing/mobile/StringUtils.ja
				va com/adobe/marketing/mobile/TLSSocketFa
				ctory.java com/adobe/marketing/mobile/TimerState.j
				ava com/adobe/marketing/mobile/URLBuilder.j
				ava com/adobe/marketing/mobile/UrlUtilities.j
				ava com/adobe/marketing/mobile/UserProfile.j
				ava
				com/adobe/marketing/mobile/UserProfileC ore.java
				com/adobe/marketing/mobile/UserProfileE xtension.java
				com/adobe/marketing/mobile/V4ToV5Migr ation.java
				com/adobe/marketing/mobile/VisitorID.jav
				a com/adobe/marketing/mobile/XDMLifecycl
				eEnvironment.java com/adobe/marketing/mobile/ZipBundleH
				andler.java com/airbnb/lottie/LottieAnimationView.jav
				a com/airbnb/lottie/PerformanceTracker.java
				com/airbnb/lottie/utils/LogcatLogger.java com/aurelhubert/ahbottomnavigation/AHB
				ottomNavigation.java
				com/cube/arc/blood/appointment/fragmen t/AppointmentTypeFragment.java
				com/cube/arc/blood/signup/fragment/Sign upDonorldCheckFragment.java
				com/cube/arc/controller/handler/CloudDat

NO	ISSUE	SEVERITY	STANDARDS	aResponseHandler.java Fold & John Sube/maps/util/MapUtils.java com/cube/storm/content/lib/helper/Bundle
				Helper.java
				com/cube/storm/ui/quiz/fragment/StormQ
				uizWinFragment.java
				com/cube/storm/ui/view/holder/list/VideoL
				istItemViewHolder.java
				com/esotericsoftware/kryo/Kryo.java
				com/esotericsoftware/kryo/serializers/Versi
				onFieldSerializer.java
				com/esotericsoftware/kryo/util/Util.java
				com/esotericsoftware/minlog/Log.java
				com/fasterxml/uuid/Jug.java
				com/fasterxml/uuid/impl/LoggerFacade.jav
				a
				com/github/mikephil/charting/charts/BarC
				hart.java
				com/github/mikephil/charting/charts/BarLi
				neChartBase.java
				com/github/mikephil/charting/charts/Chart
				.java
				com/github/mikephil/charting/charts/Com
				binedChart.java
				com/github/mikephil/charting/charts/Horiz
				ontalBarChart.java
				com/github/mikephil/charting/charts/PieRa
				darChartBase.java
				com/github/mikephil/charting/components
				/AxisBase.java
				com/github/mikephil/charting/data/ChartD ata.java
				com/github/mikephil/charting/data/Combi
				nedData.java
				com/github/mikephil/charting/data/LineDa
				taSet.java
				com/github/mikephil/charting/data/PieDat
				a.java
				com/github/mikephil/charting/data/PieEntr
				y.java
				7.0

NO	ISSUE	SEVERITY	STANDARDS	com/github/mikephil/charting/listener/Bar <b>EiheES</b> artTouchListener.java
				com/github/mikephil/charting/renderer/Sc
				atterChartRenderer.java
				com/github/mikephil/charting/utils/FileUtil
				s.java
				com/github/mikephil/charting/utils/Utils.ja
				va
				com/nostra13/universalimageloader/cache
				/disc/impl/ext/DiskLruCache.java
				com/nostra13/universalimageloader/core/
				download/handlers/FlickrSchemeHandler.j
				ava
				com/wdullaer/materialdatetimepicker/date
				/DayPickerView.java
				com/wdullaer/materialdatetimepicker/time
				/AmPmCirclesView.java
				com/wdullaer/materialdatetimepicker/time
				/CircleView.java
				com/wdullaer/materialdatetimepicker/time
				/RadialPickerLayout.java
				com/wdullaer/materialdatetimepicker/time
				/RadialSelectorView.java
				com/wdullaer/materialdatetimepicker/time
				/RadialTextsView.java
				com/wdullaer/materialdatetimepicker/time
				/TimePickerDialog.java
				io/branch/referral/BranchJsonConfig.java
				io/branch/referral/BranchLogger.java
				io/branch/referral/validators/IntegrationVal
				idator.java
				lombok/bytecode/PoolConstantsApp.java
				lombok/bytecode/PostCompilerApp.java
				lombok/core/DiagnosticsReceiver.java
				lombok/core/Main.java
				lombok/core/PublicApiCreatorApp.java
				lombok/core/Version.java
				lombok/core/configuration/ConfigurationPr
				oblemReporter.java
				lombok/core/debug/FileLog.java

NO	ISSUE	SEVERITY	STANDARDS	lombok/core/debug/ProblemReporter.java  Toth Eok/core/runtimeDependencies/Create LombokRuntimeApp.java
				lombok/delombok/Delombok.java lombok/delombok/DelombokApp.java lombok/eclipse/TransformEclipseAST.java lombok/eclipse/handlers/EclipseSingularsR ecipes.java lombok/installer/Installer.java lombok/javac/CompilerMessageSuppressor .java lombok/javac/HandlerLibrary.java lombok/javac/JavacAST.java lombok/javac/JavacResolution.java lombok/javac/JavacTreeMaker.java lombok/javac/handlers/HandleBuilder.java lombok/javac/handlers/HandleVal.java lombok/javac/handlers/JavacSingularsRecip es.java lombok/patcher/ClassRootFinder.java lombok/patcher/ScriptManager.java lombok/patcher/ScriptManager.java lombok/patcher/ScriptSion.java lombok/patcher/Scripts/SetSymbolDuringM ethodCaliScript.java
3	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	lombok/permit/Permit.java  cott/atoget/dis/beat/diag/govebyliog/Wexpper.  GoocodingTask.java  org/slf4j/helpers/Util.java  timber/log/Timber.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
4	The App uses an insecure Random Number Generator.	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	com/cube/arc/lib/manager/StoryManager.j ava com/cube/arc/lib/receiver/CancelledAppoin tmentResolver.java com/cube/arc/lib/receiver/DefaultResolver.java com/cube/arc/lib/receiver/EligibilityResolve r.java com/cube/arc/lib/receiver/GeofenceResolver.java com/cube/arc/lib/receiver/JourneyResolver.java com/cube/arc/lib/receiver/JourneyResolver.java com/cube/arc/lib/receiver/RapidPassResolver.java com/cube/arc/lib/receiver/ReminderResolver.java com/cube/arc/lib/receiver/ScheduleResolver.java com/cube/arc/lib/receiver/ScheduleResolver.java com/cube/arc/lib/receiver/SelfieResolver.ja va com/cube/arc/lib/service/CartTimerReceive r.java com/cube/arc/lib/service/CartTimerReceive r.java com/fasterxml/uuid/EthernetAddress.java com/fasterxml/uuid/Generators.java com/fasterxml/uuid/Jug.java com/fasterxml/uuid/Jug.java com/fasterxml/uuid/Jug.java com/fasterxml/uuid/Jug.java com/fasterxml/uuid/Jug.java com/fasterxml/uuid/impl/RandomBasedGe nerator.java com/fasterxml/uuid/impl/RandomBasedGe nerator.java com/nostra13/universalimageloader/image /SimpleTextImage.java lombok/core/debug/AssertionLogger.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
5	App can read/write to External Storage. Any App can read data written to External Storage.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/cube/arc/lib/util/BitmapUtils.java com/github/mikephil/charting/charts/Chart .java com/github/mikephil/charting/utils/FileUtil s.java com/nostra13/universalimageloader/utils/S torageUtils.java
6	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	lombok/installer/OsUtils.java lombok/javac/apt/Processor.java
7	SHA-1 is a weak hash known to have hash collisions.	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	com/adobe/marketing/mobile/StringEncod er.java com/cube/arc/lib/util/DeviceUtils.java com/fasterxml/uuid/Generators.java
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	com/airbnb/lottie/network/NetworkCache.j ava com/cube/storm/util/lib/manager/FileMan ager.java com/nostra13/universalimageloader/image /Gravatarlmage.java
9	App uses SQLite Database and execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and written to the database.	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	com/adobe/marketing/mobile/AndroidData base.java com/adobe/marketing/mobile/AndroidEve ntHistoryDatabase.java com/adobe/marketing/mobile/services/SQ LiteDatabaseHelper.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
10	This App copies data to clipboard.  Sensitive data should not be copied to clipboard as other applications can access it.	info	OWASP MASVS: MSTG-STORAGE-10	io/branch/referral/ShareLinkManager.java
11	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	com/cube/arc/blood/MainApplication.java

# ■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION

## **BEHAVIOUR ANALYSIS**

RULE ID	BEHAVIOUR	LABEL	FILES
------------	-----------	-------	-------

RULE ID	BEHAVIOUR	LABEL	FILES
00022	Open a file from given absolute path of the file	file	at/huber/youtubeExtractor/YouTubeExtractor.java com/adobe/marketing/mobile/AbstractHitsDatabase.java com/adobe/marketing/mobile/AndroidCompressedFileService.java com/adobe/marketing/mobile/CacheManager.java com/adobe/marketing/mobile/ConfigurationExtension.java com/adobe/marketing/mobile/RemoteDownloader.java com/airbnb/lottie/LottieCompositionFactory.java com/airbnb/lottie/network/NetworkCache.java com/airbnb/lottie/network/NetworkFetcher.java com/airbnb/lottie/network/NetworkFetcher.java com/cube/arc/blood/MainApplication.java com/github/mikephil/charting/charts/Chart.java com/nostra13/universalimageloader/cache/disc/impl/BaseDiskCache.java com/nostra13/universalimageloader/core/LoadAndDisplayImageTask.java lombok/bytecode/PoolConstantsApp.java lombok/bytecode/PostCompilerApp.java lombok/bytecode/PostCompilerApp.java lombok/core/PublicApiCreatorApp.java lombok/core/runtimeDependencies/CreateLombokRuntimeApp.java lombok/delombok/Delombok.java lombok/delombok/DelombokApp.java lombok/installer/IdeLocation.java lombok/installer/losUtils.java lombok/installer/OsUtils.java lombok/installer/cclipse/EclipseProductLocation.java lombok/installer/eclipse/EclipseProductLocationProvider.java lombok/javac/CapturingDiagnosticListener.java lombok/patcher/ScriptManager.java
			com/adobe/marketing/mobile/AndroidDeepLinkService.java com/adobe/marketing/mobile/AndroidFullscreenMessage.java com/adobe/marketing/mobile/LocalNotificationHandler.java com/adobe/marketing/mobile/services/ui/AEPMessage.java com/adobe/marketing/mobile/services/ui/AndroidUlService.java com/cube/arc/blood/BootActivity.java com/cube/arc/blood/MainApplication.java com/cube/arc/blood/RapidPassActivity.java

RULE ID	BEHAVIOUR	LABEL	com/cube/arc/blood/SelfieActivity.java com/cube/arc/blood/WebViewActivity.java FILES com/cube/arc/blood/appointment/AppointmentDriveResultsActivity.java com/cube/arc/blood/appointment/NoAppointmentsAvailableActivity.java
00063	Implicit intent(view a web page, make a phone call, etc.)	control	com/cube/arc/blood/appointment/fragment/AppointmentConfirmedFragment.java com/cube/arc/blood/appointment/fragment/AppointmentTrypeFragment.java com/cube/arc/blood/donation/fragment/DonationHistoryFragment.java com/cube/arc/blood/donation/fragment/DonationHistoryListFragment.java com/cube/arc/blood/donation/fragment/DonationHistoryListFragment.java com/cube/arc/blood/fragment/HealthChartFragment.java com/cube/arc/blood/fragment/HealthChartFragment.java com/cube/arc/blood/fragment/LandingFragment.java com/cube/arc/blood/fragment/ManageAppointmentFragment.java com/cube/arc/blood/fragment/PostificationSettingsFragment.java com/cube/arc/blood/fragment/ProfileFragment.java com/cube/arc/blood/fragment/ProfileFragment.java com/cube/arc/blood/fragment/RapidPassCardFragment.java com/cube/arc/blood/fragment/SettingsFragment.java com/cube/arc/blood/fragment/TeamsFragment.java com/cube/arc/blood/fragment/TeamsFragment.java com/cube/arc/blood/fragment/TeamsFragment.java com/cube/arc/blood/signup/SignupAgeInvalidActivity.java com/cube/arc/lib/helper/CameraHelper.java com/cube/storm/ui/activity/StormActivity.java com/cube/storm/ui/activity/StormWebActivity.java com/cube/storm/ui/lib/factory/IntentFactory.java com/cube/storm/ui/lib/handler/LinkHandler.java com/cube/storm/ui/lib/provider/DefaultIntentProvider.java com/cube/storm/ui/lib/ragment/StormQuizActivity.java com/cube/storm/ui/quiz/fragment/StormQuizActivity.java com/cube/storm/ui/quiz/fragment/StormQuizActivity.java io/branch/referral/Branch.java io/branch/referral/Paranch.java io/branch/referral/Validators/DeepLinkRoutingValidator.java

RULE ID	BEHAVIOUR	LABEL	FILES
00091	Retrieve data from broadcast	collection	com/adobe/marketing/mobile/LocalNotificationHandler.java com/cube/arc/blood/MainActivity.java com/cube/arc/blood/RapidPassActivity.java com/cube/arc/blood/appointment/AppointmentDriveResultsActivity.java com/cube/arc/blood/appointment/AppointmentWizardActivity.java com/cube/storm/ui/activity/StormWebActivity.java com/cube/storm/ui/quiz/activity/StormQuizActivity.java io/branch/referral/Branch.java
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	com/adobe/marketing/mobile/AndroidDeepLinkService.java com/adobe/marketing/mobile/AndroidFullscreenMessage.java com/adobe/marketing/mobile/LocalNotificationHandler.java com/adobe/marketing/mobile/services/ui/AEPMessage.java com/adobe/marketing/mobile/services/ui/AEPMessage.java com/adobe/marketing/mobile/services/ui/AndroidUlService.java com/cube/arc/blood/WebViewActivity.java com/cube/arc/blood/appointment/AppointmentDriveResultsActivity.java com/cube/arc/blood/appointment/NoAppointmentsAvailableActivity.java com/cube/arc/blood/appointment/fragment/AppointmentDriveListResultsFragment. java com/cube/arc/blood/donation/fragment/DonationHistoryFragment.java com/cube/arc/blood/fragment/HealthChartFragment.java com/cube/arc/blood/fragment/HelpBottomDialogFragment.java com/cube/arc/blood/fragment/NotificationSettingsFragment.java com/cube/arc/blood/fragment/ProfileFragment.java com/cube/arc/blood/fragment/ProfileFragment.java com/cube/arc/blood/fragment/ProfileFragment.java com/cube/arc/blood/fragment/SettingsFragment.java com/cube/arc/blood/fragment/SettingsFragment.java com/cube/arc/blood/signup/SignupAgeInvalidActivity.java com/cube/storm/ui/activity/StormWebActivity.java com/cube/storm/ui/lib/provider/DefaultIntentProvider.java io/branch/referral/Branch.java

RULE ID	BEHAVIOUR	LABEL	FILES
00202	Make a phone call	control	com/cube/arc/blood/WebViewActivity.java com/cube/arc/blood/appointment/AppointmentDriveResultsActivity.java com/cube/arc/blood/appointment/NoAppointmentsAvailableActivity.java com/cube/arc/blood/appointment/fragment/AppointmentDriveListResultsFragment. java com/cube/arc/blood/donation/fragment/DonationHistoryFragment.java com/cube/arc/blood/donation/fragment/DonationHistoryListFragment.java com/cube/arc/blood/fragment/HealthChartFragment.java com/cube/arc/blood/fragment/HelpBottomDialogFragment.java com/cube/arc/blood/fragment/PasswordResetFragment.java com/cube/arc/blood/fragment/RapidPassCardFragment.java com/cube/arc/blood/signup/SignupAgeInvalidActivity.java com/cube/storm/ui/lib/handler/LinkHandler.java
00203	Put a phone number into an intent	control	com/cube/arc/blood/WebViewActivity.java com/cube/arc/blood/appointment/AppointmentDriveResultsActivity.java com/cube/arc/blood/appointment/NoAppointmentsAvailableActivity.java com/cube/arc/blood/appointment/fragment/AppointmentDriveListResultsFragment. java com/cube/arc/blood/donation/fragment/DonationHistoryFragment.java com/cube/arc/blood/donation/fragment/DonationHistoryListFragment.java com/cube/arc/blood/fragment/HealthChartFragment.java com/cube/arc/blood/fragment/HelpBottomDialogFragment.java com/cube/arc/blood/fragment/PasswordResetFragment.java com/cube/arc/blood/fragment/RapidPassCardFragment.java com/cube/arc/blood/signup/SignupAgeInvalidActivity.java com/cube/storm/ui/lib/handler/LinkHandler.java
00137	Get last known location of the device	location collection	net/atomcode/bearing/location/provider/LegacyLocationProvider.java

RULE ID	BEHAVIOUR	LABEL	FILES
00013	Read file and put it into a stream	file	at/huber/youtubeExtractor/YouTubeExtractor.java com/adobe/marketing/mobile/AndroidCompressedFileService.java com/adobe/marketing/mobile/AndroidFullscreenMessage.java com/adobe/marketing/mobile/ConfigurationExtension.java com/adobe/marketing/mobile/FileUtil.java com/adobe/marketing/mobile/services/ui/MessageWebViewClient.java com/airbnb/lottie/network/NetworkCache.java com/airbnb/lottie/network/NetworkFetcher.java com/cube/arc/lib/manager/KryoManager.java com/cube/arc/lib/manager/KryoManager.java com/cube/storm/content/lib/handler/GZIPTarCacheResponseHandler.java com/cube/storm/content/lib/helper/FileHelper.java com/cube/storm/ui/sponsorship/lib/manager/SponsorshipManager.java com/cube/storm/util/lib/manager/FileManager.java com/cube/storm/util/lib/resolver/FileResolver.java com/cube/storm/util/lib/resolver/FileResolver.java com/nostra13/universalimageloader/cache/disc/impl/ext/DiskLruCache.java com/nostra13/universalimageloader/core/download/BaselmageDownloader.java com/nostra13/universalimageloader/core/download/handlers/FileSchemeHandler.j ava lombok/bytecode/PostCompilerApp.java lombok/bytecode/PostCompilerApp.java lombok/core/configuration/ConfigurationFile.java lombok/loelombok/Delombok.java lombok/launch/ShadowClassLoader.java okio/Okio.java org/threeten/bp/chrono/HijrahDate.java
00012	Read data and put it into a buffer stream	file	com/cube/arc/blood/MainApplication.java com/cube/storm/content/lib/handler/GZIPTarCacheResponseHandler.java com/cube/storm/content/lib/helper/FileHelper.java com/cube/storm/util/lib/manager/FileManager.java com/nostra13/universalimageloader/core/download/BaseImageDownloader.java com/nostra13/universalimageloader/core/download/handlers/FileSchemeHandler.j ava

RULE ID	BEHAVIOUR	LABEL	FILES
00036	Get resource file from res/raw directory	reflection	com/cube/arc/blood/fragment/ProfileFragment.java com/cube/arc/lib/receiver/DefaultResolver.java com/cube/storm/ui/lib/resolver/AppResolver.java io/branch/referral/Branch.java
00078	Get the network operator name	collection telephony	com/adobe/marketing/mobile/services/DeviceInfoService.java io/branch/referral/SystemObserver.java
00072	Write HTTP input stream into a file	command network file	at/huber/youtubeExtractor/YouTubeExtractor.java
00089	Connect to a URL and receive input stream from the server	command network	at/huber/youtubeExtractor/YouTubeExtractor.java com/nostra13/universalimageloader/core/download/BaseImageDownloader.java com/nostra13/universalimageloader/core/download/handlers/SchemeHandler.java
00191	Get messages in the SMS inbox	sms	io/branch/coroutines/InstallReferrersKt.java
00096	Connect to a URL and set request method	command network	com/airbnb/lottie/network/DefaultLottieNetworkFetcher.java
00030	Connect to the remote server through the given URL	network	com/airbnb/lottie/network/DefaultLottieNetworkFetcher.java
00029	Initialize class object dynamically	reflection	lombok/eclipse/agent/EclipseLoaderPatcherTransplants.java
00046	Method reflection	reflection	lombok/eclipse/agent/EclipseLoaderPatcherTransplants.java
00023	Start another application from current application	reflection control	com/cube/storm/content/developer/lib/helper/DeveloperHelper.java

RULE ID	BEHAVIOUR	LABEL	FILES
00005	Get absolute path of file and put it to JSON object	file	com/airbnb/lottie/LottieCompositionFactory.java
00024	Write file after Base64 decoding	reflection file	com/airbnb/lottie/LottieCompositionFactory.java
00004	Get filename and put it to JSON object	file collection	com/airbnb/lottie/LottieCompositionFactory.java
00109	Connect to a URL and get the response code	network command	com/nostra13/universalimageloader/core/download/BaseImageDownloader.java com/nostra13/universalimageloader/core/download/handlers/SchemeHandler.java
00003	Put the compressed bitmap data into JSON object	camera	io/branch/referral/network/BranchRemoteInterfaceUrlConnection.java
00163	Create new Socket and connecting to it	socket	com/adobe/marketing/mobile/services/HttpConnectionHandler.java

# FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
App talks to a Firebase database	info	The app talks to Firebase database at https://decoded-vision-649.firebaseio.com
Firebase Remote Config disabled	secure	Firebase Remote Config is disabled for https://firebaseremoteconfig.googleapis.com/v1/projects/924422399954/namespaces/firebase:fetch? key=AlzaSyDN2CrtsLD_hZizqA2xbksCp9lyDPtsepA. This is indicated by the response: {'state': 'NO_TEMPLATE'}

#### **\*: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	9/25	android.permission.INTERNET, android.permission.ACCESS_NETWORK_STATE, android.permission.VIBRATE, android.permission.ACCESS_COARSE_LOCATION, android.permission.CAMERA, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.READ_EXTERNAL_STORAGE, android.permission.WAKE_LOCK
Other Common Permissions	5/44	android.permission.CHANGE_NETWORK_STATE, android.permission.FOREGROUND_SERVICE, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE, com.google.android.gms.permission.AD_ID, com.google.android.c2dm.permission.RECEIVE

#### **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
--------	----------------

## **Q DOMAIN MALWARE CHECK**

DOMAIN	STATUS	GEOLOCATION
www.redcrossblood.org	ok	IP: 23.53.144.214 Country: Australia Region: New South Wales City: Sydney Latitude: -33.867851 Longitude: 151.207321 View: Google Map
maps.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
help.branch.io	ok	IP: 104.18.20.218 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
blood.arc.cubeapis.com	ok	IP: 54.193.49.13 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map

DOMAIN	STATUS	GEOLOCATION
s.ytimg.com	ok	IP: 173.194.219.101  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
decoded-vision-649.firebaseio.com	ok	IP: 34.120.206.254 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
3sidedcube.com	ok	IP: 76.76.21.21  Country: United States of America Region: California City: Walnut Latitude: 34.015400 Longitude: -117.858223 View: Google Map
github.com	ok	IP: 140.82.113.3  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.gravatar.com	ok	IP: 192.0.73.2  Country: United States of America Region: California City: San Francisco Latitude: 37.748425 Longitude: -122.413673 View: Google Map
.crowdtwist.com	ok	No Geolocation information available.
twitter.com	ok	IP: 172.66.0.227  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
farms.staticflickr.com	ok	No Geolocation information available.
share.3sidedcube.com	ok	IP: 52.8.15.232 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.slf4j.org	ok	IP: 159.100.250.151 Country: Switzerland Region: Vaud City: Lausanne Latitude: 46.515999 Longitude: 6.632820 View: Google Map
www.redcross.org	ok	IP: 2.19.147.84  Country: United Kingdom of Great Britain and Northern Ireland Region: England City: London Latitude: 51.508530 Longitude: -0.125740 View: Google Map
api.flickr.com	ok	IP: 18.155.176.124  Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
blood.cube-sites.com	ok	IP: 52.8.93.51 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map

DOMAIN	STATUS	GEOLOCATION
youtube.googleapis.com	ok	IP: 74.125.21.95 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.youtube.com	ok	IP: 64.233.177.93 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
branch.app.link	ok	IP: 18.238.109.123 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
auth.cubeapis.com	ok	IP: 98.83.86.27 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map

DOMAIN	STATUS	GEOLOCATION
api3-eu.branch.io	ok	IP: 18.155.173.13  Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
api.branch.io	ok	IP: 18.238.109.105 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
bnc.lt	ok	IP: 18.238.109.128 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
3cu.be	ok	IP: 54.72.64.113  Country: Ireland Region: Dublin City: Dublin Latitude: 53.343990 Longitude: -6.267190 View: Google Map

DOMAIN	STATUS	GEOLOCATION
cdn.branch.io	ok	IP: 18.238.109.80 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
m.redcrossblood.org	ok	IP: 23.53.144.214 Country: Australia Region: New South Wales City: Sydney Latitude: -33.867851 Longitude: 151.207321 View: Google Map
y.x	ok	No Geolocation information available.
projectlombok.org	ok	IP: 104.21.64.1 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
groups.google.com	ok	IP: 216.239.34.177  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
redcrossblood.app.link	ok	IP: 18.238.109.28  Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
api2.branch.io	ok	IP: 18.238.109.38  Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
arc.cubeapis.com	ok	IP: 52.52.198.202 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map
x.y	ok	No Geolocation information available.
assets.adobedtm.com	ok	IP: 72.247.97.53  Country: United States of America Region: California City: Los Angeles Latitude: 34.052231 Longitude: -118.243683 View: Google Map

DOMAIN	STATUS	GEOLOCATION
i.ytimg.com	ok	IP: 64.233.176.119  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
rapidpass.redcrossblood.org	ok	IP: 40.85.162.217  Country: United States of America Region: Virginia City: Washington Latitude: 38.713451 Longitude: -78.159439 View: Google Map
youtube.com	ok	IP: 142.250.105.93  Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map



EMAIL	FILE
android+arc@3sidedcube.com	com/cube/arc/blood/fragment/SettingsFragment.java

EMAIL	FILE
mobile@3sidedcube.com	com/cube/arc/blood/fragment/DiagnosticsFragment.java
mobile@3sidedcube.com	com/cube/storm/content/developer/lib/diagnostics/DiagnosticsExportHelper.java

## \*\* TRACKERS

TRACKER	CATEGORIES	URL
Adobe Experience Cloud		https://reports.exodus-privacy.eu.org/trackers/229
Branch	Analytics	https://reports.exodus-privacy.eu.org/trackers/167
Google AdMob	Advertisement	https://reports.exodus-privacy.eu.org/trackers/312
Google Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/48
Google CrashLytics	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/27
Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
Google Tag Manager	Analytics	https://reports.exodus-privacy.eu.org/trackers/105



POSSIBLE SECRETS
"com.google.firebase.crashlytics.mapping_file_id" : "0000000000000000000000000000000000
"firebase_database_url" : "https://decoded-vision-649.firebaseio.com"
"google_api_key" : "AlzaSyDN2CrtsLD_hZizqA2xbksCp9lyDPtsepA"
"google_crash_reporting_api_key" : "AlzaSyDN2CrtsLD_hZizqA2xbksCp9lyDPtsepA"
"key_generator" : "%s.%s.%s"
"key_generator_short" : "%s.%s"
"maps_token" : "AlzaSyAni35Pj3M5SsrZEOLmWSbe8ia1Bftz5K4"
"mdtp_deleted_key" : "%1\$s\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
ab356380ce6f0a2bdeab79beaad767f0
16a09e667f3bcc908b2fb1366ea957d3e3adec17512775099da2f590b0667322a
23456789abcdefghjkmnpqrstvwxyz
6ba7b810-9dad-11d1-80b4-00c04fd430c8
258EAFA5-E914-47DA-95CA-C5AB0DC85B11
470fa2b4ae81cd56ecbcda9735803434cec591fa
6ba7b812-9dad-11d1-80b4-00c04fd430c8

POSSIBLE SECRETS
ef9841c8e525024a5d969bbc93a7a50c
edef8ba9-79d6-4ace-a3c8-27dcd51d21ed
9a04f079-9840-4286-ab92-e65be0885f95
6ba7b811-9dad-11d1-80b4-00c04fd430c8
000102030405060708090A0B0C0D0E0F101112131415161718191A1B1C1D1E1F202122232425262728292A2B2C2D2E2F303132333435363738393A3B3C3D3E3F4041 42434445464748494A4B4C4D4E4F505152535455565758595A5B5C5D5E5F606162636465666768696A6B6C6D6E6F707172737475767778797A7B7C7D7E7F80818283 8485868788898A8B8C8D8E8F909192939495969798999A9B9C9D9E9FA0A1A2A3A4A5A6A7A8A9AAABACADAEAFB0B1B2B3B4B5B6B7B8B9BABBBCBDBEBFC0C1C2C3 C4C5C6C7C8C9CACBCCCDCECFD0D1D2D3D4D5D6D7D8D9DADBDCDDDEDFE0E1E2E3E4E5E6E7E8E9EAEBECEDEEEFF0F1F2F3F4F5F6F7F8F9FAFBFCFDFEFF
0123456789abcdefABCDEF
6ba7b814-9dad-11d1-80b4-00c04fd430c8
c5a525897e1ab28df55c740a8eeb7564
77b1362a1e51d9c3180cdd7099075b31
3071c8717539de5d5353f4c8cd59a032
55ea4778a85e3d65588bf7d15e2afc5e
7d73d21f1bd82c9e5268b6dcf9fde2cb
826dfa93c0ce51617ce748f9e1b09fcb

## > PLAYSTORE INFORMATION

Title: Blood Donor

Score: 4.851751 Installs: 1,000,000+ Price: 0 Android Version Support: Category: Medical Play Store URL: com.cube.arc.blood

Developer Details: American Red Cross, American+Red+Cross, None, http://www.redcrossblood.org, customercare@redcross.org,

Release Date: Sep 5, 2014 Privacy Policy: Privacy link

## **Description:**

The American Red Cross Blood Donor App puts the power to save lives in the palm of your hand. Donating blood, platelets and AB Plasma is now easier than ever. Features: · Find local blood drives and donation centers quickly and easily · Convenient, easy appointment scheduling and rescheduling · Complete your RapidPass® · Get notified when your blood is on its way to a patient · View the results of your mini-physical · Receive appointment reminders and special blood shortage alert messages · Keep track of total blood donations · Stay updated on special promotions · Earn badges for special donation milestones · Join or create a lifesaving team, recruit other blood donors and view rankings on the Blood Donor Teams Leaderboard Privacy policy: http://www.redcross.org/privacy-policy EULA: http://www.redcross.org/m/mobile-apps/eula Copyright © 2022 The American National Red Cross

## **∷** SCAN LOGS

Timestamp	Event	Error
2025-08-29 21:25:38	Generating Hashes	ОК
2025-08-29 21:25:38	Extracting APK	ОК
2025-08-29 21:25:38	Unzipping	ОК

2025-08-29 21:25:39	Parsing APK with androguard	ОК
2025-08-29 21:25:40	Extracting APK features using aapt/aapt2	ОК
2025-08-29 21:25:40	Getting Hardcoded Certificates/Keystores	ОК
2025-08-29 21:25:43	Parsing AndroidManifest.xml	ОК
2025-08-29 21:25:43	Extracting Manifest Data	ОК
2025-08-29 21:25:43	Manifest Analysis Started	ОК
2025-08-29 21:25:44	Performing Static Analysis on: Blood Donor (com.cube.arc.blood)	ОК
2025-08-29 21:25:45	Fetching Details from Play Store: com.cube.arc.blood	ОК
2025-08-29 21:25:46	Checking for Malware Permissions	ОК
2025-08-29 21:25:46	Fetching icon path	OK
2025-08-29 21:25:46	Library Binary Analysis Started	ОК

2025-08-29 21:25:50	Reading Code Signing Certificate	ОК
2025-08-29 21:25:50	Running APKiD 2.1.5	ОК
2025-08-29 21:25:58	Detecting Trackers	ОК
2025-08-29 21:26:03	Decompiling APK to Java with JADX	ОК
2025-08-29 21:26:26	Converting DEX to Smali	ОК
2025-08-29 21:26:26	Code Analysis Started on - java_source	ОК
2025-08-29 21:26:39	Android SBOM Analysis Completed	ОК
2025-08-29 21:26:47	Android SAST Completed	ОК
2025-08-29 21:26:47	Android API Analysis Started	ОК
2025-08-29 21:26:54	Android API Analysis Completed	ОК
2025-08-29 21:26:55	Android Permission Mapping Started	ОК

2025-08-29 21:27:01	Android Permission Mapping Completed	ОК
2025-08-29 21:27:29	Android Behaviour Analysis Started	ОК
2025-08-29 21:27:50	Android Behaviour Analysis Completed	ОК
2025-08-29 21:27:50	Extracting Emails and URLs from Source Code	ОК
2025-08-29 21:27:58	Email and URL Extraction Completed	OK
2025-08-29 21:27:59	Extracting String data from APK	OK
2025-08-29 21:27:59	Extracting String data from Code	OK
2025-08-29 21:27:59	Extracting String values and entropies from Code	OK
2025-08-29 21:28:23	Performing Malware check on extracted domains	OK
2025-08-29 21:28:26	Saving to Database	OK

iniodile security Framework (modsf) is an automated, all-in-one modile application (Android/105/windows) pen-testing, maiware analysis and security assessment framework capable of performing static and dynamic analysis.

© 2025 Mobile Security Framework - MobSF | Ajin Abraham | OpenSecurity.