

ANDROID STATIC ANALYSIS REPORT



ACCESS HRA (3.9)

File Name:	gov.nyc.hra.SelfService_39.apk
Package Name:	gov.nyc.hra.SelfService
Scan Date:	Sept. 1, 2025, 1:24 p.m.
App Security Score:	47/100 (MEDIUM RISK)
Grade:	
Trackers Detection:	2/432

FINDINGS SEVERITY

≟ HIGH	▲ MEDIUM	i INFO	✓ SECURE	◎ HOTSPOT
2	11	2	1	1

FILE INFORMATION

File Name: gov.nyc.hra.SelfService_39.apk

Size: 37.29MB

MD5: 2308743b59295b351a16ad4b968834c8

SHA1: 4809d8780fd02b9d41e9a591f34f51b92d20f8f9

SHA256: de18899f357bade42a64cc0bca6ef68b7e860bc4794c3727a6fbd503cd65453d

1 APP INFORMATION

App Name: ACCESS HRA

Package Name: gov.nyc.hra.SelfService

Main Activity: com.diona.selfservice.activity.LaunchActivity

Target SDK: 34 Min SDK: 27 Max SDK:

Android Version Name: 3.9

EE APP COMPONENTS

Activities: 58 Services: 10 Receivers: 5 Providers: 4

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

***** CERTIFICATE INFORMATION

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

X.509 Subject: C=US, ST=New York, L=New York, O=NYC HRA, OU=Mobile Development, CN=Peter Mullally

Signature Algorithm: rsassa_pkcs1v15 Valid From: 2016-09-23 15:43:08+00:00 Valid To: 2116-08-30 15:43:08+00:00

Issuer: C=US, ST=New York, L=New York, O=NYC HRA, OU=Mobile Development, CN=Peter Mullally

Serial Number: 0xde1276a Hash Algorithm: sha256

md5: a9e55382f4f152b17b9ac1a1d51e3cad

sha1: 8f387eb4ebc1fd7395f6873152dd8d7d92719afc

sha256: 24d5456b62918bb99ac353394775b4f7a28b1025ffa9a09716cd7e1a3671654a

sha512: d413dd43a9b56e1d3e511c052ef416e70984208c21b08f25f892532d4206de5607bda3452f9e076c6b008bc65cb8d284fc38af6e08df87138f074d698201e771

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: 5230ef70333df1f6f781c0ee773afcb9dc06ba34a57401c3132965d7fa6a7f4c

Found 1 unique certificates

⋮ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
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.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_COARSE_LOCATION	dangerous	coarse (network- based) location	Access coarse location sources, such as the mobile network database, to determine an approximate phone location, where available. Malicious applications can use this to determine approximately where you are.
android.permission.ACCESS_FINE_LOCATION	dangerous	fine (GPS) location	Access fine location sources, such as the Global Positioning System on the phone, where available. Malicious applications can use this to determine where you are and may consume additional battery power.

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.READ_MEDIA_IMAGES	dangerous	allows reading image files from external storage.	Allows an application to read image files from external storage.
android.permission.READ_PHONE_STATE	dangerous	read phone state and identity	Allows the application to access the phone features of the device. An application with this permission can determine the phone number and serial number of this phone, whether a call is active, the number that call is connected to and so on.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.HIDE_OVERLAY_WINDOWS	normal	Prevent non- system-overlay windows	Allows an app to prevent non-system- overlay windows from being drawn on top of it.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
android.permission.USE_BIOMETRIC	normal	allows use of device-supported biometric modalities.	Allows an app to use device supported biometric modalities.

PERMISSION	STATUS	INFO	DESCRIPTION
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.
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.
gov.nyc.hra.SelfService.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference

命 APKID ANALYSIS

FILE	DETAILS	
2308743b59295b351a16ad4b968834c8.apk	FINDINGS	DETAILS
2306743b33233b331a10au4b306654c6.apk	Anti-VM Code	possible VM check

FILE	DETAILS		
	FINDINGS	DETAILS	
classes.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check	
	Compiler	r8 without marker (suspicious)	
	FINDINGS	DETAILS	
classes2.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check	
	Compiler	r8 without marker (suspicious)	

FILE	DETAILS		
classes3.dex	FINDINGS	DETAILS	
	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.BOARD check Build.TAGS check possible VM check	
	Anti Debug Code	Debug.isDebuggerConnected() check	
	Compiler	r8 without marker (suspicious)	
	FINDINGS	DETAILS	
	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check SIM operator check	
classes4.dex	Compiler	r8 without marker (suspicious)	

FILE	DETAILS	
classes5.dex	FINDINGS	DETAILS
Classess.uex	Compiler	unknown (please file detection issue!)

BROWSABLE ACTIVITIES

ACTIVITY	INTENT
com.diona.selfservice.activity.SelfServiceLoginActivity	Schemes: comdionaselfservice://, Hosts: auth,
com.diona.dm.framework.login.LoggedOutActivity	Schemes: comdionaselfservice://, Hosts: auth, Path Prefixes: /loggedOut,
com.diona.selfservice.activity.LaunchActivity	Schemes: hraselfservice://, Hosts: nyc.gov, Path Prefixes: /hraselfservice,
com.diona.citizenframeworklib.forgotpassword.ResetPasswordActivity	Schemes: comdionaselfservice://, Hosts: diona.com, Path Prefixes: /resetpassword,



NO	SCOPE	SEVERITY	DESCRIPTION

CERTIFICATE ANALYSIS

HIGH: 0 | WARNING: 0 | INFO: 1

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

Q MANIFEST ANALYSIS

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

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable Android version Android 8.1, minSdk=27]	warning	This application can be installed on an older version of android that has multiple vulnerabilities. Support an Android version => 10, API 29 to receive reasonable security updates.
2	Activity (com.diona.selfservice.activity.SelfServiceLoginActivity) 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
3	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.
4	Broadcast Receiver (androidx.profileinstaller.ProfileInstallReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.DUMP [android:exported=true]	warning	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

</> CODE ANALYSIS

HIGH: 1 | WARNING: 5 | INFO: 2 | SECURE: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/bumptech/glide/Glide.java com/bumptech/glide/disklrucache/DiskLru Cache.java com/bumptech/glide/gifdecoder/GifHeader Parser.java com/bumptech/glide/gifdecoder/Standard GifDecoder.java com/bumptech/glide/load/data/AssetPathF etcher.java

				box ious
NO	ISSUE	SEVERITY	STANDARDS	her jaya com/bumptech/glide/load/data/LocalUriFet
				cher.java
				com/bumptech/glide/load/data/mediastore
				/ThumbFetcher.java
				com/bumptech/glide/load/data/mediastore
				/ThumbnailStreamOpener.java
				com/bumptech/glide/load/engine/DecodeJ
				ob.java
				com/bumptech/glide/load/engine/DecodeP
				ath.java
				com/bumptech/glide/load/engine/Engine.ja
				va
				com/bumptech/glide/load/engine/GlideExc
				eption.java
				com/bumptech/glide/load/engine/SourceG
				enerator.java
				com/bumptech/glide/load/engine/bitmap_r
				ecycle/LruArrayPool.java
				com/bumptech/glide/load/engine/bitmap_r
				ecycle/LruBitmapPool.java
				com/bumptech/glide/load/engine/cache/Di
				skLruCacheWrapper.java
				com/bumptech/glide/load/engine/cache/M
				emorySizeCalculator.java
				com/bumptech/glide/load/engine/executor
				/GlideExecutor.java
				com/bumptech/glide/load/engine/executor
				/RuntimeCompat.java
				com/bumptech/glide/load/engine/prefill/Bi
				tmapPreFillRunner.java
				com/bumptech/glide/load/model/ByteBuff
				erEncoder.java
				com/bumptech/glide/load/model/ByteBuff
				erFileLoader.java
				com/bumptech/glide/load/model/FileLoad
				er.java
				com/bumptech/glide/load/model/Resource
				Loader.java
				com/bumptech/glide/load/model/StreamE

NO	ISSUE	SEVERITY	STANDARDS	FOM: Bumptech/glide/load/resource/Image DecoderResourceDecoder.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/bumptech/glide/load/resource/bitmap /BitmapEncoder.java com/bumptech/glide/load/resource/bitmap /BitmapImageDecoderResourceDecoder.jav a com/bumptech/glide/load/resource/bitmap /DefaultImageHeaderParser.java com/bumptech/glide/load/resource/bitmap /Downsampler.java com/bumptech/glide/load/resource/bitmap /DrawableToBitmapConverter.java com/bumptech/glide/load/resource/bitmap /HardwareConfigState.java com/bumptech/glide/load/resource/bitmap /TransformationUtils.java com/bumptech/glide/load/resource/bitmap /VideoDecoder.java com/bumptech/glide/load/resource/gif/Byt eBufferGifDecoder.java com/bumptech/glide/load/resource/gif/Gif DrawableEncoder.java com/bumptech/glide/load/resource/gif/Str eamGifDecoder.java com/bumptech/glide/manager/DefaultCon nectivityMonitor.java com/bumptech/glide/manager/PefaultCon nectivityMonitorFactory.java com/bumptech/glide/manager/RequestMa nagerFragment.java com/bumptech/glide/manager/RequestMa nagerRetriever.java com/bumptech/glide/manager/RequestTrac ker.java com/bumptech/glide/manager/RequestTrac ker.java com/bumptech/glide/manager/SupportReq uestManagerFragment.java com/bumptech/glide/module/ManifestPars er.java com/bumptech/glide/module/ManifestPars er.java com/bumptech/glide/module/ManifestPars er.java com/bumptech/glide/module/ManifestPars er.java

				t.java
NO	ISSUE	SEVERITY	STANDARDS	ppresumptech/glide/request/target/CustomViewTarget.java
				com/bumptech/glide/request/target/ViewT
				arget.java
				com/bumptech/glide/signature/Application
				VersionSignature.java
				com/bumptech/glide/util/ContentLengthInp
				utStream.java
				com/bumptech/glide/util/pool/FactoryPool
				s.java
				com/diona/citizenframeworklib/dotsindicat
				or/DotsIndicator.java
				com/diona/citizenframeworklib/scanner/Ca
				meraSource.java
				com/diona/citizenframeworklib/scanner/Ca
				meraSourcePreview.java
				com/diona/dm/framework/utils/LogUtil.jav
				a
				com/j256/ormlite/android/apptools/OrmLit
				eConfigUtil.java
				com/j256/ormlite/logger/LocalLog.java
				net/sqlcipher/AbstractCursor.java
				net/sqlcipher/BulkCursorToCursorAdaptor.j ava
				net/sqlcipher/DatabaseUtils.java
				net/sqlcipher/DefaultDatabaseErrorHandler
				.java
				net/sqlcipher/database/SQLiteCompiledSql.
				java
				net/sqlcipher/database/SQLiteContentHelp
				er.java
				net/sqlcipher/database/SQLiteDatabase.jav
				a
				net/sqlcipher/database/SQLiteDebug.java
				net/sqlcipher/database/SQLiteOpenHelper.j
				ava
				net/sqlcipher/database/SQLiteProgram.java
				net/sqlcipher/database/SQLiteQuery.java
				net/sqlcipher/database/SQLiteQueryBuilde
				r.java

NO	ISSUE	SEVERITY	STANDARDS	net/sqlcipher/database/SqliteWrapper.java pg/pgmcrest/generator/config/XmlConfigu
110	13302	SEVERITI	317(14)	rator.java
				org/hamcrest/generator/qdox/parser/impl/ Parser.java org/hamcrest/generator/qdox/tools/QDoxT ester.java org/joda/time/tz/DateTimeZoneBuilder.jav a org/joda/time/tz/ZoneInfoCompiler.java org/odk/collect/android/views/DMWebVie wClient.java org/opencv/android/AsyncServiceHelper.ja va org/opencv/android/BaseLoaderCallback.ja va org/opencv/android/Camera2Renderer.java org/opencv/android/CameraBridgeViewBas e.java org/opencv/android/CameraGLRendererBa se.java org/opencv/android/CameraGLSurfaceView .java org/opencv/android/CameraRenderer.java org/opencv/android/FpsMeter.java org/opencv/android/JavaCamera2View.java org/opencv/android/JavaCameraView.java org/opencv/android/JavaCameraView.java org/opencv/android/JavaCameraView.java org/opencv/android/StaticHelper.java org/slf4j/helpers/Util.java org/xmlpull/v1/XmlPullParserException.jav a
2	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	net/sqlcipher/database/SQLiteDatabase.jav a org/odk/collect/android/database/ItemsetD bAdapter.java
				com/bumptech/glide/load/Option.java

SSUE	SEVERITY	STANDARDS	com/bumptech/glide/load/engine/DataCac
			com/bumptech/glide/load/engine/EngineRe
			source.java
			com/bumptech/glide/load/engine/Resource
			CacheKey.java
			com/bumptech/glide/manager/RequestMa
			nagerRetriever.java
			com/diona/citizenframeworklib/application
			s/ApplicationsFragment.java
			com/diona/citizenframeworklib/appointme
			nts/AppointmentsFragment.java
			com/diona/citizenframeworklib/cases/Base
			CasesListFragment.java
			com/diona/citizenframeworklib/common/C
			itizenServerRequestUtil.java
			com/diona/citizenframeworklib/createacco
			unt/JSONCreateAccount.java
			com/diona/citizenframeworklib/dashboard
			/DashboardFragment.java
			com/diona/citizenframeworklib/data/Citize
			nSharedPreferences.java
			com/diona/citizenframeworklib/data/db/Cit
			izenFormInstance.java
			com/diona/citizenframeworklib/documents
			/DocumentsFragment.java
			com/diona/citizenframeworklib/documents
			/NoticesFragment.java
			com/diona/citizenframeworklib/forms/Citiz
			enFormInstanceActivity.java
			com/diona/citizenframeworklib/forms/For
			msFragment.java
			com/diona/citizenframeworklib/help/HelpF
			ragment.java
			com/diona/citizenframeworklib/login/Citize
			nLoginRequestUtil.java
			com/diona/citizenframeworklib/login/User
			Config.java
			com/diona/citizenframeworklib/messages/
			AppointmentMessageDataBinder.java

NO	ISSUE	SEVERITY	STANDARDS	com/diona/citizenframeworklib/messages/ MessagesFragment.java com/diona/citizenframeworklib/password/l
3	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	SONChangePasswordRequest.java com/diona/citizenframeworklib/payments/ PaymentsLoader.java com/diona/citizenframeworklib/profile/Pro fileFragment.java com/diona/citizenframeworklib/requiredoc uments/RequiredDocumentsFragment.java com/diona/citizenframeworklib/settings/PI NActivity.java com/diona/citizenframeworklib/settings/Se ttingsFragment.java com/diona/citizenframeworklib/systems/B ackEndSystemsFragment.java com/diona/citizenframeworklib/uploads/U ploadsFragment.java com/diona/dm/framework/adapters/bindin g/AnnouncementMessageDataBinder.java com/diona/dm/framework/adapters/bindin g/CalendarDataBinder.java com/diona/dm/framework/dadapters/bindin g/LocationDataBinder.java com/diona/dm/framework/db/Case.java com/diona/dm/framework/db/CaseFormIn stance.java com/diona/dm/framework/db/Reminder.ja va com/diona/dm/framework/db/tables/Inves tigationTable.java com/diona/dm/framework/db/tables/Story boardTable.java com/diona/dm/framework/db/tables/Word sAndPicturesTable.java com/diona/dm/framework/designee/Desig neeRow.java com/diona/dm/framework/multifactorauth /JSONVerifyMultiFactorAuthRequest.java com/diona/dm/framework/navigation/Frag

NO	ISSUE	SEVERITY	STANDARDS	mentResult.java
				TPAsyncTask.java com/diona/dm/framework/networking/Log
	, 			inRequestUtil.java
	l			com/diona/dm/framework/notes/HiddenN
	l			arrativeNoteFragmentKt.java
	l			com/diona/dm/framework/personsearch/P
	' 			ersonSearchOverlayFragment.java
	l			com/diona/dm/framework/personsearch/P
	l			ersonSearchResultsFragment.java
	l			com/diona/dm/framework/storyboards/JS
	l			ONStoryboardDetails.java
	' 			com/diona/dm/framework/storyboards/St
	l			oryboardDetailsFragment.java
	l			com/diona/dm/framework/ui/activities/Pas
	l			swordConfirmationActivity.java
	l			com/diona/dm/framework/ui/dialogs/Ope
	l			nCameraDialog.java
	l			com/diona/dm/framework/ui/fragments/A
	' I			udioAttachmentFragment.java
	' I			com/diona/dm/framework/ui/fragments/C
	' I			aseSelectFragment.java
	' I			com/diona/dm/framework/ui/fragments/Cl
	l			ientMultiSelectFragment.java
	l			com/diona/dm/framework/ui/fragments/D
	l			ynamicDetailsTabFragment.java
	l			com/diona/dm/framework/ui/fragments/G
	l			enericDetailFragment.java
	l			com/diona/dm/framework/ui/fragments/P
	l			ersonDetailsFragment.java
	l			com/diona/dm/framework/ui/fragments/S
	l			pinnerMultiSelectFragment.java
	l			com/diona/dm/framework/ui/fragments/Vi
	l			sitListFragment.java
	' 			com/diona/dm/framework/ui/viewmodels/
	' 			BaseFormInstanceDetailsViewModel.java
	l			com/diona/dm/framework/utils/BaseImage
	' 			Util.java
	' 			com/diona/dm/framework/utils/DionaShar

NO	ISSUE	SEVERITY	STANDARDS	edPreferences.java Folk E& ona/dm/framework/utils/FormGene rator.iava
				com/diona/dm/framework/visit/VisitAddre ssSelectFragment.java com/diona/selfservice/cases/members/Cas eMemberLoaderKt.java com/diona/selfservice/cases/members/Cas eMembersFragment.java com/diona/selfservice/cases/payments/Cas ePaymentsFragment.java com/diona/selfservice/cases/payments/Cas ePaymentsLoaderKt.java com/diona/selfservice/cases/payments/Cas ePaymentsLoaderKt.java com/diona/selfservice/cases/programs/Cas eProgramsFragment.java com/diona/selfservice/fragment/ServicesFr agment.java org/javarosa/core/api/Constants.java org/javarosa/core/log/LogEntry.java org/javarosa/core/model/FormDef.java org/javarosa/core/model/FormDef.java org/javarosa/core/services/PropertyManag er.java org/odk/collect/android/preferences/Curre ncyCodePreference.java
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	org/odk/collect/android/provider/FormsPr org/javarosa/core/util/MathUtils.java oviderAPLiaya org/javarosa/core/util/PropertyUtils.java org/javarosa/xform/parse/FisherYates.java org/javarosa/xform/parse/ParkMiller.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
5	This App uses SQL Cipher. SQLCipher provides 256-bit AES encryption to sqlite database files.	info	OWASP MASVS: MSTG-CRYPTO-1	com/diona/citizenframeworklib/data/db/Cit izenUserDatabasehelper.java com/diona/citizenframeworklib/data/db/Se lfServiceDatabaseHelper.java com/diona/dm/framework/db/DatabaseHe lper.java com/j256/ormlite/android/apptools/OrmLit eBaseActivity.java net/sqlcipher/database/SupportHelper.java
6	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/diona/dm/core/data/FileValidator.java com/diona/dm/framework/ui/fragments/F ormInstanceFragment.java com/diona/dm/framework/utils/BaseFileCa cheUtil.java com/diona/dm/framework/utils/CameraUti l.java org/odk/collect/android/application/Collect .java
7	The file or SharedPreference is World Writable. Any App can write to the file	high	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/diona/citizenframeworklib/scanner/Ph otoCropFragment\$showImage\$2.java
8	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/diona/dm/framework/ui/dialogs/Capt chaDialog.java

■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION	

BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
00022	Open a file from given absolute path of the file	file	com/diona/citizenframework/lib/scanner/DocumentScannerFragment.java com/diona/dm/framework/attachments/AttachmentsTabFragment.java com/diona/dm/framework/attachments/RecordAudioService.java com/diona/dm/framework/networking/HTTPUtil.java com/diona/dm/framework/notes/NoteFragment.java com/diona/dm/framework/ui/activities/CameraActivity.java com/diona/dm/framework/ui/dactivities/DMDrawActivity.java com/diona/dm/framework/ui/fragments/DMDrawActivity.java com/diona/dm/framework/ui/fragments/DemoSettingsPreferenceFragment.java com/diona/dm/framework/ui/fragments/DemoSettingsPreferenceFragment.java com/diona/dm/framework/ui/fragments/FormInstanceFragment.java com/diona/dm/framework/uitls/BaseFileCacheUtil.java com/diona/dm/framework/utils/BaseImageUtil.java com/diona/dm/framework/utils/CameraUtil.java com/diona/dm/framework/utils/CameraUtil.java com/diona/dm/framework/utils/PecryptMediaFileAsyncTask.java com/diona/dm/framework/utils/PecryptMediaFileAsyncTask.java com/j256/ormlite/android/apptools/OrmLiteConfigUtil.java org/hamcrest/generator/qdox/ant/AbstractQdoxTask.java org/hamcrest/generator/qdox/junit/APITestCase.java org/odk/collect/android/tasks/FormLoaderTask.java org/odk/collect/android/tasks/FormLoaderTask.java org/odk/collect/android/utilities/FileUtils.java org/odk/collect/android/utilities/FileUtils.java org/odk/collect/android/widgets/ImageWidget.java org/odk/collect/android/widgets/ItemsetWidget.java org/odek/collect/android/widgets/ItemsetWidget.java org/opencv/android/Utils.java

RULE ID	BEHAVIOUR	LABEL	FILES
00013	Read file and put it into a stream	file	com/bumptech/glide/load/ImageHeaderParserUtils.java com/bumptech/glide/load/ImageHeaderParserUtils.java com/bumptech/glide/load/model/FileLoader.java com/diona/citizenframeworklib/common/SelfServiceFileCacheUtil.java com/diona/citizenframeworklib/login/CitizenLoginRequestUtil.java com/diona/dm/framework/listeners/BaseNewFormInstanceClickListener.jav a com/diona/dm/framework/ui/activities/DMDrawActivity.java com/diona/dm/framework/ui/fragments/FormInstanceFragment.java com/diona/dm/framework/uils/CipherUtil.java com/diona/dm/framework/uils/CipherUtil.java com/j256/ormlite/android/apptools/OrmLiteCipherSqliteOpenHelper.java okio/OkioJvmOkioKt.java org/hamcrest/generator/qdox/JavaDocBuilder.java org/hamcrest/generator/qdox/tools/QDoxTester.java org/javarosa/core/model/instance/XmlExternalInstance.java org/javarosa/xml/InternalDataInstanceParser.java org/joda/time/tz/ZoneInfoCompiler.java org/joda/time/tz/ZoneInfoProvider.java org/joda/time/tz/ZoneInfoProvider.java org/odk/collect/android/logic/FileReference.java org/odk/collect/android/tasks/FormLoaderTask.java org/odk/collect/android/utilities/DefaultBinaryManager.java org/odk/collect/android/utilities/FileUtils.java
00125	00125 Check if the given file path exist file		com/diona/citizenframeworklib/forms/LocalFormViewModel.java com/diona/citizenframeworklib/uploads/UploadPhotoFragment.java com/diona/dm/framework/networking/BaseServerRequestUtil.java com/diona/dm/framework/notes/NoteFragment.java com/diona/dm/framework/ui/activities/DMDrawActivity.java com/diona/dm/framework/ui/fragments/AudioAttachmentFragment.java com/diona/dm/framework/ui/fragments/FormInstanceFragment.java com/diona/dm/framework/ui/fragments/ImageAttachmentFragment.java com/diona/dm/framework/ui/fragments/UnknownAttachmentFragment.java

RULE ID	BEHAVIOUR	LABEL	FILES
00063	Implicit intent(view a web page, make a phone call, etc.)	control	com/diona/citizenframeworklib/applications/SubmittedFormDetailsActivity.java com/diona/citizenframeworklib/base/BaseNavigationActivity.java com/diona/citizenframeworklib/login/CitizenLoginActivity.java com/diona/citizenframeworklib/uploads/UploadsActivity.java com/diona/dm/framework/listeners/DirectionsClickListener.java com/diona/dm/framework/listeners/MapClickListener.java com/diona/dm/framework/listeners/SMSClickListener.java com/diona/dm/framework/notes/NoteFragment.java com/diona/dm/framework/ui/activities/BaseLoginActivity.java com/diona/dm/framework/ui/fragments/DemoSettingsPreferenceFragment.j ava com/diona/dm/framework/ui/fragments/FormInstanceFragment.java com/diona/dm/framework/utils/BaseFileCacheUtil.java com/diona/dm/framework/utils/DeviceUtil.java com/diona/dm/framework/utils/LinkUtils.java com/diona/dm/framework/utils/LinkUtils.java com/diona/selfservice/listensers/ServicesActionButtonClickListener.java org/odk/collect/android/utilities/PhoneNumberClickListener.java org/odk/collect/android/widgets/UrlWidget.java org/opencv/android/AsyncServiceHelper.java
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	com/diona/citizenframeworklib/applications/SubmittedFormDetailsActivity.j ava com/diona/dm/framework/listeners/SMSClickListener.java com/diona/dm/framework/notes/NoteFragment.java com/diona/dm/framework/ui/activities/BaseLoginActivity.java com/diona/dm/framework/ui/fragments/DemoSettingsPreferenceFragment.j ava com/diona/dm/framework/utils/BaseFileCacheUtil.java com/diona/selfservice/listensers/ServicesActionButtonClickListener.java com/diona/selfservice/listensers/SmsClickListener.java org/odk/collect/android/utilities/PhoneNumberClickListener.java org/odk/collect/android/widgets/UrlWidget.java

RULE ID	BEHAVIOUR	LABEL	FILES
00036	Get resource file from res/raw directory	reflection	com/diona/dm/framework/notes/NoteFragment.java com/diona/dm/framework/ui/activities/BaseLoginActivity.java com/diona/dm/framework/ui/fragments/VideoAttachmentFragment.java com/diona/dm/framework/utils/DeviceUtil.java
08000	Save recorded audio/video to a file	record file	com/diona/dm/framework/ui/activities/CameraActivity.java
00101	Initialize recorder	record	com/diona/dm/framework/ui/activities/CameraActivity.java
O0183 Get current camera parameters and change the setting.		camera	com/diona/citizenframeworklib/scanner/CameraSource.java com/diona/dm/framework/ui/activities/CameraActivity.java com/diona/dm/framework/views/CameraPreview.java io/card/payment/CardScanner.java org/opencv/android/CameraRenderer.java org/opencv/android/JavaCameraView.java
00091	Retrieve data from broadcast	collection	com/diona/citizenframeworklib/base/BaseNavigationActivity.java com/diona/citizenframeworklib/dynamic/CitizenDynamicTableActivity.java com/diona/dm/framework/ui/activities/CameraActivity.java com/diona/dm/framework/ui/activities/DMDrawActivity.java com/diona/dm/framework/ui/fragments/FormInstanceFragment.java
00195	Set the output path of the recorded file	record file	com/diona/dm/framework/attachments/RecordAudioService.java com/diona/dm/framework/ui/activities/CameraActivity.java
00199	Stop recording and release recording resources	record	com/diona/dm/framework/attachments/RecordAudioService.java com/diona/dm/framework/ui/activities/CameraActivity.java
00198	Initialize the recorder and start recording	record	com/diona/dm/framework/attachments/RecordAudioService.java com/diona/dm/framework/ui/activities/CameraActivity.java
00136	Stop recording	record command	com/diona/dm/framework/ui/activities/CameraActivity.java

RULE ID	BEHAVIOUR	LABEL	FILES
00007	Use absolute path of directory for the output media file path	file	com/diona/dm/framework/attachments/RecordAudioService.java com/diona/dm/framework/ui/activities/CameraActivity.java
00138	Set the audio source (MIC)	record	com/diona/dm/framework/ui/activities/CameraActivity.java
00133	Start recording	record command	com/diona/dm/framework/ui/activities/CameraActivity.java
00016	Get location info of the device and put it to JSON object	location collection	com/diona/dm/framework/json/JSONCoordinates.java com/diona/dm/framework/utils/EncryptMediaFileAsyncTask.java
00112	Get the date of the calendar event	collection calendar	com/diona/dm/framework/utils/DateUtil.java com/diona/dm/framework/views/dynamicforms/FormDatePicker.java org/odk/collect/android/widgets/DateTimeWidget.java org/odk/collect/android/widgets/DateWidget.java
00005	Get absolute path of file and put it to JSON object	file	com/diona/dm/framework/networking/HTTPUtil.java com/diona/dm/framework/ui/fragments/DemoSettingsPreferenceFragment.j ava com/diona/dm/framework/ui/fragments/FormInstanceFragment.java com/diona/dm/framework/utils/EncryptMediaFileAsyncTask.java
00121	Create a directory	file command	com/diona/dm/framework/ui/fragments/DemoSettingsPreferenceFragment.j ava com/diona/dm/framework/ui/fragments/FormInstanceFragment.java
00202	Make a phone call	control	com/diona/selfservice/listensers/ServicesActionButtonClickListener.java org/odk/collect/android/utilities/PhoneNumberClickListener.java
00203	00203 Put a phone number into an intent control		com/diona/selfservice/listensers/ServicesActionButtonClickListener.java org/odk/collect/android/utilities/PhoneNumberClickListener.java

RULE ID	BEHAVIOUR	LABEL	FILES
00056	Modify voice volume	control	com/diona/dm/framework/utils/TextToSpeechUtil.java
00194	Set the audio source (MIC) and recorded file format	record	com/diona/dm/framework/attachments/RecordAudioService.java
00197	Set the audio encoder and initialize the recorder	record	com/diona/dm/framework/attachments/RecordAudioService.java
00196	Set the recorded file format and output path	record file	com/diona/dm/framework/attachments/RecordAudioService.java
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	com/bumptech/glide/load/data/mediastore/ThumbFetcher.java com/diona/citizenframeworklib/uploads/UploadPhotoFragment.java org/odk/collect/android/utilities/MediaUtils.java
00089	Connect to a URL and receive input stream from the server	command network	com/bumptech/glide/load/data/HttpUrlFetcher.java org/odk/collect/android/views/DMWebViewClient.java
00004	Get filename and put it to JSON object	file collection	com/diona/citizenframeworklib/common/CitizenServerRequestUtil.java com/diona/dm/framework/json/DocumentsLoader.java com/diona/dm/framework/networking/HTTPUtil.java com/diona/dm/framework/ui/fragments/FormInstanceFragment.java
00002	Open the camera and take picture	camera	com/diona/citizenframeworklib/scanner/CameraSource.java
00030	Connect to the remote server through the given URL	network	com/bumptech/glide/load/data/HttpUrlFetcher.java
00109	Connect to a URL and get the response code network command		com/bumptech/glide/load/data/HttpUrlFetcher.java

RULE ID	BEHAVIOUR	LABEL	FILES
00189	Get the content of a SMS message	sms	org/odk/collect/android/utilities/MediaUtils.java
00188	Get the address of a SMS message	sms	org/odk/collect/android/utilities/MediaUtils.java
00200	Query data from the contact list	collection contact	org/odk/collect/android/utilities/MediaUtils.java
00187	Query a URI and check the result	collection sms calllog calendar	org/odk/collect/android/utilities/MediaUtils.java
00201	Query data from the call log	collection calllog	org/odk/collect/android/utilities/MediaUtils.java
00012	Read data and put it into a buffer stream	file	com/diona/citizenframeworklib/common/SelfServiceFileCacheUtil.java
00001	Initialize bitmap object and compress data (e.g. JPEG) into bitmap object	camera	com/diona/dm/framework/utils/BaseImageUtil.java
00038	Query the phone number	collection	com/diona/dm/framework/utils/DeviceUtil.java
00191	Get messages in the SMS inbox	sms	com/diona/citizenframeworklib/imagepicker/lmagePickerFragment.java com/diona/dm/framework/ui/fragments/FormInstanceFragment.java
00209	Get pixels from the latest rendered image	collection	org/opencv/android/JavaCamera2View.java
00009	Put data in cursor to JSON object	file	com/diona/dm/framework/ui/fragments/FormInstanceFragment.java org/odk/collect/android/external/handler/ExternalDataHandlerSearch.java
00014	Read file into a stream and put it into a JSON object	file	com/diona/dm/framework/ui/fragments/FormInstanceFragment.java

RULE ID	BEHAVIOUR	LABEL	FILES
00147	Get the time of current location	collection location	com/diona/dm/framework/utils/LocationUtil.java
00075	Get location of the device	collection location	com/diona/dm/framework/utils/LocationUtil.java
00137	Get last known location of the device	location collection	com/diona/dm/framework/utils/LocationUtil.java
00115	Get last known location of the device	collection location	com/diona/dm/framework/utils/LocationUtil.java
00092	Send broadcast	command	com/diona/dm/framework/utils/LocationUtil.java
00054	Install other APKs from file	reflection	org/odk/collect/android/views/MediaLayout.java
00024	Write file after Base64 decoding	reflection file	com/diona/dm/framework/forms/FormTypeConfigParser.java com/diona/dm/framework/utils/CipherUtil.java

FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
Open Firebase database	high	The Firebase database at https://hra-document-upload-reports.firebaseio.com/.json is exposed to internet without any authentication
Firebase Remote Config disabled	secure	Firebase Remote Config is disabled for https://firebaseremoteconfig.googleapis.com/v1/projects/810304505169/namespaces/firebase:fetch? key=AlzaSyD9zfgxgnxmSL4m53o_ywuRxABs55n9G6U. This is indicated by the response: {'state': 'NO_TEMPLATE'}

***: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	10/25	android.permission.WRITE_EXTERNAL_STORAGE, android.permission.WAKE_LOCK, android.permission.VIBRATE, android.permission.INTERNET, android.permission.ACCESS_COARSE_LOCATION, android.permission.ACCESS_FINE_LOCATION, android.permission.CAMERA, android.permission.READ_PHONE_STATE, android.permission.READ_EXTERNAL_STORAGE, android.permission.ACCESS_NETWORK_STATE
Other Common Permissions	3/44	com.google.android.c2dm.permission.RECEIVE, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE, com.google.android.gms.permission.AD_ID

Malware Permissions:

Top permissions that are widely abused by known malware.

Other Common Permissions:

Permissions that are commonly abused by known malware.

• OFAC SANCTIONED COUNTRIES

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

DOMAIN	COUNTRY/REGION
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Q DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
opendatakit.org	ok	IP: 18.238.96.34 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
www.openmobilealliance.org	ok	IP: 172.67.75.102 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
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.opendatakit.org	ok	IP: 18.238.96.115 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.zetetic.net	ok	IP: 18.238.96.105 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
apache.org	ok	IP: 151.101.2.132 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
xmlpull.org	ok	IP: 185.199.108.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map
hra-document-upload-reports.firebaseio.com	ok	IP: 35.201.97.85 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.wireless-village.org	ok	IP: 172.67.131.214 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
play.google.com	ok	IP: 142.250.74.142 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
openrosa.org	ok	IP: 3.33.130.190 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
maps.google.com	ok	IP: 216.58.207.238 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
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
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

** TRACKERS

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



POSSIBLE SECRETS
"external_auth_locale" : "en"
"firebase_database_url" : "https://hra-document-upload-reports.firebaseio.com"
"google_api_key" : "AlzaSyD9zfgxgnxmSL4m53o_ywuRxABs55n9G6U"
"google_crash_reporting_api_key" : "AlzaSyD9zfgxgnxmSL4m53o_ywuRxABs55n9G6U"
"library_android_database_sqlcipher_authorWebsite" : "https://www.zetetic.net/sqlcipher/"
"login_status_auth" : "Authenticating"
"password" : "Password"
"username" : "Username"
xJXZd/zR0io4+XWtcwbtnyYutpO4NX7DhE3xBg4
16a09e667f3bcc908b2fb1366ea957d3e3adec17512775099da2f590b0667322a
oh/AACypu7EhHIzJlqtCgyEK8MToFuQ8E7pIO7A
258EAFA5-E914-47DA-95CA-C5AB0DC85B11
470fa2b4ae81cd56ecbcda9735803434cec591fa
82c62205f0ef0ea96608a8
xBkDPNxUEiMRX5vPP2wqvCR4Grb8GZQqrKNyC0Y

> PLAYSTORE INFORMATION

Title: NYC ACCESS HRA

Score: 4.644153 Installs: 1,000,000+ Price: 0 Android Version Support: Category: Health & Fitness Play Store URL: gov.nyc.hra.SelfService

Developer Details: NYC Human Resources Administration, NYC+Human+Resources+Administration, None, ACCESSHRASuppapp@hra.nyc.gov,

Release Date: Mar 16, 2017 Privacy Policy: Privacy link

Description:

ACCESS HRA mobile - your benefits on-the-go! View Case Details and EBT Balances The Cases section of the app lets you view the current status of your SNAP or Cash Assistance case, the EBT balance for each of your benefits, and any upcoming Recertification dates. You can also track your Fair Fares NYC discount status, your Fair Fares NYC renewal period, or Access-A-Ride status. View Appointments The Appointment section of the app lets you view appointments that are upcoming, missed, or completed. It also lets you add a reminder for your appointment to your phone or tablet. View Payments The Payments section of the app lets you view upcoming and past payments for your case, such as payments made to your landlord, utility company, or to your EBT card. Required Documents The Required Documents section will show you a list of the documents that you need to return to the agency to support an application, recertification, periodic report or special grant request. You can take a photo of each document or select an image from your camera roll straight from this list. Your history of documents that you have uploaded can be seen on the My Uploads screen. Each document will stay on the list for 100 days. Note: Uploaded documents must be of good quality for the Agency to review. Submitting documents does not mean that your documents prove the eligibility factor. Please visit the My Documents section to check if the Agency accepted the documents you submitted. Only documents that are listed in the My Documents section were accepted by the Agency. View Accepted Documents The Documents section of the app lets you view a list of documents the Agency received from you about your case. Each document that you submit and is accepted by the Agency stays on the list for 60 days from the date it was accepted. Profile Information The Profile section of the app provides you with the contact information and notification preferences you have previously provided to the agency. If you have a CA or SNAP case, you can only update your profile every 24 hours. If you are only a Fair Fares NYC client, you can update your profile as often as you need. Additional Information You can also get real-time notifications on your smartphone about your case, such as when your case 'Recertification' is due, confirmation of an online application submission, upcoming appointments, required documentation and E-notices. ACCESS HRA mobile is available in English, Spanish, Arabic, French, Korean, Russian, and Simplified Chinese.

⋮ SCAN LOGS

Timestamp	Event	Error
2025-09-01 13:24:21	Generating Hashes	OK

2025-09-01 13:24:21	Extracting APK	ОК
2025-09-01 13:24:21	Unzipping	ОК
2025-09-01 13:24:22	Parsing APK with androguard	OK
2025-09-01 13:24:22	Extracting APK features using aapt/aapt2	ОК
2025-09-01 13:24:22	Getting Hardcoded Certificates/Keystores	ОК
2025-09-01 13:24:25	Parsing AndroidManifest.xml	ОК
2025-09-01 13:24:25	Extracting Manifest Data	ОК
2025-09-01 13:24:25	Manifest Analysis Started	ОК
2025-09-01 13:24:25	Performing Static Analysis on: ACCESS HRA (gov.nyc.hra.SelfService)	ОК
2025-09-01 13:24:26	Fetching Details from Play Store: gov.nyc.hra.SelfService	ОК
2025-09-01 13:24:28	Checking for Malware Permissions	ОК

2025-09-01 13:24:28	Fetching icon path	ОК
2025-09-01 13:24:28	Library Binary Analysis Started	OK
2025-09-01 13:24:28	Reading Code Signing Certificate	ОК
2025-09-01 13:24:28	Running APKiD 2.1.5	ОК
2025-09-01 13:24:37	Detecting Trackers	OK
2025-09-01 13:24:42	Decompiling APK to Java with JADX	ОК
2025-09-01 13:25:03	Converting DEX to Smali	ОК
2025-09-01 13:25:03	Code Analysis Started on - java_source	ОК
2025-09-01 13:25:07	Android SBOM Analysis Completed	OK
2025-09-01 13:25:12	Android SAST Completed	ОК
2025-09-01 13:25:12	Android API Analysis Started	ОК

2025-09-01 13:25:16	Android API Analysis Completed	ОК
2025-09-01 13:25:17	Android Permission Mapping Started	ОК
2025-09-01 13:25:21	Android Permission Mapping Completed	ОК
2025-09-01 13:25:21	Android Behaviour Analysis Started	ОК
2025-09-01 13:25:27	Android Behaviour Analysis Completed	ОК
2025-09-01 13:25:27	Extracting Emails and URLs from Source Code	ОК
2025-09-01 13:25:31	Email and URL Extraction Completed	OK
2025-09-01 13:25:31	Extracting String data from APK	OK
2025-09-01 13:25:31	Extracting String data from Code	OK
2025-09-01 13:25:31	Extracting String values and entropies from Code	ОК

2025-09-01 13:25:36	Performing Malware check on extracted domains	ОК
2025-09-01 13:25:42	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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