MOBSF

ANDROID STATIC ANALYSIS REPORT

F-Droid (1.23.1)

File Name:	fdroid.apk

Package Name:	org.fdroid.fdroid
Scan Date:	Dec. 21, 2025, 7:49 a.m.
App Security Score:	62/100 (LOW RISK)
Grade:	A
Trackers Detection:	1/432

FINDINGS SEVERITY

HIGH	MEDIUM	INFO	✓ SECURE	HOTSPOT
3	21	2	8	1

FILE INFORMATION

File Name: fdroid.apk
Size: 11.85MB
MD5: 8e44c488dc211b4c46cd1206ad598731
SHA1: f23fb703e39117d110d097d16666ede0e24fc459
SHA256: 1dfce4269081693f10350dbabd26991a59d7c2bb81f870de54e5b113f4785b7a

APP INFORMATION

App Name: F-Droid
Package Name: org.fdroid.fdroid
Main Activity: org.fdroid.fdroid.panic.CalculatorActivity
Target SDK: 30
Min SDK: 23
Max SDK:
Android Version Name: 1.23.1
Android Version Code: 1023051

APP COMPONENTS

Activities: 25
Services: 16
Receivers: 16

Providers: 4
Exported Activities: 5
Exported Services: 1
Exported Receivers: 2
Exported Providers: 0

CERTIFICATE INFORMATION

Binary is signed
v1 signature: True
v2 signature: True
v3 signature: True
v4 signature: False
X.509 Subject: C=UK, ST=Unknown, L=Wetherby, O=Unknown, OU=Unknown, CN=Ciaran Gultnieks
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2010-07-23 17:10:24+00:00
Valid To: 2037-12-08 17:10:24+00:00
Issuer: C=UK, ST=Unknown, L=Wetherby, O=Unknown, OU=Unknown, CN=Ciaran Gultnieks
Serial Number: 0x4c49cd00
Hash Algorithm: sha1
md5: 17c55c628056e193e95644e989792786
sha1: 05f2e65928088981b317fc9a6dbfe04b0fa13b4e
sha256: 43238d512c1e5eb2d6569f4a3afbf5523418b82e0a3ed1552770abb9a9c9ccab
sha512: 7f16ef277e1ba26bb2d64e4706f60635c71940e3056545785aaee312a209bc81f865a5fbf3a0136f469b484486474be4b1efdf9d78ac2cc5e52556349ab4070f
PublicKey Algorithm: rsa
Bit Size: 2048
Fingerprint: 7ea469cf9996dc93a574b731207c445429ea87d45fd5b13a33a1cc3ce08edd87
Found 1 unique certificates

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.ACCESS_WIFI_STATE	normal	view Wi-Fi status	Allows an application to view the information about the status of Wi-Fi.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.CHANGE_WIFI_MULTICAST_STATE	normal	allow Wi-Fi Multicast reception	Allows an application to receive packets not directly addressed to your device. This can be useful when discovering services offered nearby. It uses more power than the non-multicast mode.
android.permission.CHANGE_NETWORK_STATE	normal	change network connectivity	Allows applications to change network connectivity state.
android.permission.CHANGE_WIFI_STATE	normal	change Wi-Fi status	Allows an application to connect to and disconnect from Wi-Fi access points and to make changes to configured Wi-Fi networks.
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
android.permission.BLUETOOTH	normal	create Bluetooth connections	Allows applications to connect to paired bluetooth devices.
android.permission.BLUETOOTH_ADMIN	normal	bluetooth administration	Allows applications to discover and pair bluetooth devices.
android.permission.BLUETOOTH_CONNECT	dangerous	necessary for connecting to paired Bluetooth devices.	Required to be able to connect to paired Bluetooth devices.
android.permission.BLUETOOTH_SCAN	dangerous	required for discovering and pairing Bluetooth devices.	Required to be able to discover and pair nearby Bluetooth devices.
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.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.

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.MANAGE_EXTERNAL_STORAGE	dangerous	Allows an application a broad access to external storage in scoped storage	Allows an application a broad access to external storage in scoped storage. Intended to be used by few apps that need to manage files on behalf of the users.
android.permission.WRITE_SETTINGS	dangerous	modify global system settings	Allows an application to modify the system's settings data. Malicious applications can corrupt your system's configuration.
android.permission.USB_PERMISSION	unknown	Unknown permission	Unknown permission from android reference
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
android.permission.REQUEST_INSTALL_PACKAGES	dangerous	Allows an application to request installing packages.	Malicious applications can use this to try and trick users into installing additional malicious packages.
android.permission.REQUEST_DELETE_PACKAGES	normal	enables an app to request package deletions.	Allows an application to request deleting packages.
android.permission.UPDATE_PACKAGES_WITHOUT_USER_ACTION	normal	allows updating packages without requiring user action.	Allows an application to indicate via PackageInstaller.SessionParams.setRequireUserAction(int) that user action should not be required for an app update.
android.permission.NFC	normal	control Near-Field Communication	Allows an application to communicate with Near-Field Communication (NFC) tags, cards and readers.
android.permission.QUERY_ALL_PACKAGES	normal	enables querying any normal app on the device.	Allows query of any normal app on the device, regardless of manifest declarations.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
android.permission.ENFORCE_UPDATE_OWNERSHIP	normal	indicates intent to become the update owner via PackageInstaller.	Allows an application to indicate via PackageInstaller.SessionParams.setRequestUpdateOwnership(boolean) that it has the intention of becoming the update owner.
org.fdroid.fdroid.permission.UPDATE_REPOS	unknown	Unknown permission	Unknown permission from android reference
org.fdroid.fdroid.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference
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.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.

APKID ANALYSIS

FILE	DETAILS	
	FINDINGS	DETAILS
classes.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check
	Compiler	r8

<table>
<tr><th>FILE</th><th>DETAILS</th></tr>
<tr><td>classes2.dex</td><td>
<table>
<tr><th>FINDINGS</th><th>DETAILS</th></tr>
<tr><td>Anti-VM Code</td><td>Build.FINGERPRINT check
possible Build.SERIAL check</td></tr>
<tr><td>Anti Debug Code</td><td>Debug.isDebuggerConnected() check</td></tr>
<tr><td>Compiler</td><td>r8</td></tr>
</table>
</td></tr>
</table>

BROWSABLE ACTIVITIES

ACTIVITY	INTENT
org.fdroid.fdroid.views.repos.AddRepoActivity	Schemes: https://, fdroidrepo://, fdroidrepos://, FDROIDREPO://, FDROIDREPOS://, http://, HTTP://, HTTPS://, Hosts: fdroid.link, *, Mime Types: text/plain, Paths: /fdroid/repo, /fdroid/archive, /FDROID/REPO, Path Patterns: /fdroid/repo/*, /.*/fdroid/repo, /.*/fdroid/repo/*, /.*/.*/fdroid/repo, /.*/.*/fdroid/repo/*, /.*/.*/.*/fdroid/repo, /.*/.*/.*/fdroid/repo/*, /.*/.*/.*/.*/fdroid/repo, /.*/.*/.*/.*/fdroid/repo/*, /.*/.*/.*/.*/.*/fdroid/repo, /.*/.*/.*/.*/.*/fdroid/repo/*, /.*/.*/.*/.*/.*/.*/fdroid/repo, /.*/.*/.*/.*/.*/.*/fdroid/repo/*, /fdroid/archive/*, /.*/fdroid/archive, /.*/fdroid/archive/*, /.*/.*/fdroid/archive, /.*/.*/fdroid/archive/*, /.*/.*/.*/fdroid/archive, /.*/.*/.*/fdroid/archive/*, /.*/.*/.*/.*/fdroid/archive, /.*/.*/.*/.*/fdroid/archive/*, /.*/FDROID/REPO, /.*/.*/FDROID/REPO, /.*/.*/.*/FDROID/REPO,
org.fdroid.fdroid.views.main.MainActivity	Schemes: fdroid.app://, https://, http://, market://, amzn://, fdroid.search://, Hosts: f-droid.org, www.f-droid.org, staging.f-droid.org, cloudflare.f-droid.org, details, play.google.com, apps, amazon.com, www.amazon.com, search, Paths: /store/apps/details, /android, /gp/mas/dl/android, /store/search, Path Prefixes: /app/, /packages/, /repository/browse, Path Patterns: /.*/packages/.*, /.*/packages/.*/,

NETWORK SECURITY

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

NO	SCOPE	SEVERITY	DESCRIPTION
1	*	high	Base config is insecurely configured to permit clear text traffic to all domains.
2	*	warning	Base config is configured to trust system certificates.
3	*	high	Base config is configured to trust user installed certificates.
4	amazonaws.com	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.
5	f-droid.org	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.
6	github.com	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.
7	githubusercontent.com	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.
8	github.io	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.
9	gitlab.com	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.
10	gitlab.io	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.

CERTIFICATE ANALYSIS

HIGH: 0 | WARNING: 2 | INFO: 1

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

TITLE	SEVERITY	DESCRIPTION
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.

🔍 MANIFEST ANALYSIS

HIGH: **1** | WARNING: **9** | INFO: **0** | SUPPRESSED: **0**

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable unpatched Android version Android 6.0-6.0.1, [minSdk=23]	high	This application can be installed on an older version of android that has multiple unfixed vulnerabilities. These devices won't receive reasonable security updates from Google. Support an Android version => 10, API 29 to receive reasonable security updates.
2	App has a Network Security Configuration [android:networkSecurityConfig=@xml/network_security_config]	info	The Network Security Configuration feature lets apps customize their network security settings in a safe, declarative configuration file without modifying app code. These settings can be configured for specific domains and for a specific app.
3	Application Data can be Backed up [android:allowBackup=true]	warning	This flag allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device.
4	Activity (org.fdroid.fdroid.panic.PanicPreferencesActivity) 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.
5	Activity (org.fdroid.fdroid.panic.PanicResponderActivity) 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.
6	Activity (org.fdroid.fdroid.views.repos.AddRepoActivity) 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.
7	Activity (org.fdroid.fdroid.views.AppDetailsActivity) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.

NO	ISSUE	SEVERITY	DESCRIPTION
8	Activity (org.fdroid.fdroid.views.main.MainActivity) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
9	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.
10	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.
11	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: **7** | INFO: **2** | SECURE: **1** | SUPPRESSED: **0**

NO	ISSUE	SEVERITY	STANDARDS	FILES
				cc/mvdan/accesspoint/WifiApControl.java ch/qos/logback/classic/android/LogcatAppender.java ch/qos/logback/classic/pattern/TargetLengthBasedClassNameAbbreviator.java ch/qos/logback/classic/spi/ThrowableProxy.java ch/qos/logback/core/joran/util/ConfigurationWatchListUtil.java ch/qos/logback/core/spi/ContextAwareBase.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				ch/qos/logback/core/spi/ContextAwareImpl.java com/bumptech/glide/GeneratedAppGlideModuleImpl.java com/bumptech/glide/Glide.java com/bumptech/glide/disklrucache/DiskLruCache.java com/bumptech/glide/gifdecoder/GifHeaderParser.java com/bumptech/glide/gifdecoder/StandardGifDecoder.java com/bumptech/glide/load/data/AssetPathFetcher.java com/bumptech/glide/load/data/HttpUrlFetcher.java com/bumptech/glide/load/data/LocalUriFetcher.java com/bumptech/glide/load/data/mediastore/ThumbFetcher.java com/bumptech/glide/load/data/mediastore/ThumbnailStreamOpener.java com/bumptech/glide/load/engine/DecodeJob.java com/bumptech/glide/load/engine/DecodePath.java com/bumptech/glide/load/engine/Engine.java com/bumptech/glide/load/engine/GlideException.java com/bumptech/glide/load/engine/SourceGenerator.java com/bumptech/glide/load/engine/bitmap_recycle/LruArrayPool.java com/bumptech/glide/load/engine/bitmap_recycle/LruBitmapPool.java com/bumptech/glide/load/engine/cache/DiskLruCacheWrapper.java com/bumptech/glide/load/engine/cache/MemorySizeCalculator.java com/bumptech/glide/load/engine/executor/GlideExecutor.java com/bumptech/glide/load/model/ByteBufferEncoder.java com/bumptech/glide/load/model/ByteBufferFileLoader.java com/bumptech/glide/load/model/FileLoader.java com/bumptech/glide/load/model/ResourceLoader.java com/bumptech/glide/load/model/ResourceUriLoader.java com/bumptech/glide/load/model/StreamEncoder.java com/bumptech/glide/load/resource/DefaultOnHeaderDecodedListener.java com/bumptech/glide/load/resource/bitmap/BitmapEncoder.java com/bumptech/glide/load/resource/bitmap/BitmapImageDecoderResourceDecoder.java 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/TransformationUtil

NO	ISSUE	SEVERITY	STANDARDS	FILES
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	s.java com/bumptech/glide/load/resource/bitmap/VideoDecoder.java com/bumptech/glide/load/resource/gif/ByteBufferGifDecoder.java com/bumptech/glide/load/resource/gif/GifDrawableEncoder.java com/bumptech/glide/load/resource/gif/StreamGifDecoder.java com/bumptech/glide/manager/DefaultConnectivityMonitorFactory.java com/bumptech/glide/manager/RequestTracker.java com/bumptech/glide/manager/SingletonConnectivityReceiver.java com/bumptech/glide/module/ManifestParser.java com/bumptech/glide/request/SingleRequest.java com/bumptech/glide/request/target/CustomViewTarget.java com/bumptech/glide/request/target/ViewTarget.java com/bumptech/glide/signature/ApplicationVersionSignature.java com/bumptech/glide/util/pool/FactoryPools.java com/journeyapps/barcodescanner/CameraPreview.java com/journeyapps/barcodescanner/CaptureManager.java com/journeyapps/barcodescanner/DecoderThread.java com/journeyapps/barcodescanner/camera/AutoFocusManager.java com/journeyapps/barcodescanner/camera/CameraConfigurationUtils.java com/journeyapps/barcodescanner/camera/CameraInstance.java com/journeyapps/barcodescanner/camera/CameraManager.java com/journeyapps/barcodescanner/camera/CenterCropStrategy.java com/journeyapps/barcodescanner/camera/FitCenterStrategy.java com/journeyapps/barcodescanner/camera/PreviewScalingStrategy.java info/guardianproject/netcipher/NetCipher.java info/guardianproject/netcipher/proxy/OrbotHelper.java info/guardianproject/panic/PanicUtils.java org/acra/ACRA.java org/acra/builder/ReportExecutor.java org/acra/collector/LogCatCollector.java org/acra/log/AndroidLogDelegate.java org/acra/reporter/ErrorReporterImpl.java org/fdroid/database/FDroidDatabaseHolder$FixtureCallback$onCreate$1.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				org/fdroid/database/Repository.java org/fdroid/download/DownloaderFactory.java org/fdroid/download/HttpManagerKt$getHttpClientEngineFactory$1.java org/fdroid/fdroid/DeleteCacheService.java org/fdroid/fdroid/FDroidApp.java org/fdroid/fdroid/Preferences.java org/fdroid/fdroid/RepoUpdateManager.java org/fdroid/fdroid/Utils.java org/fdroid/fdroid/UtilsKt$generateQrBitmapKt$2.java org/fdroid/fdroid/compat/FileCompat.java org/fdroid/fdroid/compat/PackageManagerCompat.java org/fdroid/fdroid/data/App.java org/fdroid/fdroid/data/ContentProviderMigrator.java org/fdroid/fdroid/data/DBHelper.java org/fdroid/fdroid/installer/ApkVerifier.java org/fdroid/fdroid/installer/DefaultInstallerActivity.java org/fdroid/fdroid/installer/InstallManagerService.java org/fdroid/fdroid/installer/Installer.java org/fdroid/fdroid/installer/ObfInstallerService.java org/fdroid/fdroid/installer/PrivilegedInstaller.java org/fdroid/fdroid/installer/SessionInstallManager.java org/fdroid/fdroid/nearby/BluetoothManager.java org/fdroid/fdroid/nearby/BluetoothServer.java org/fdroid/fdroid/nearby/BonjourManager.java org/fdroid/fdroid/nearby/LocalHTTPDManager.java org/fdroid/fdroid/nearby/LocalRepoKeyStore.java org/fdroid/fdroid/nearby/LocalRepoManager.java org/fdroid/fdroid/nearby/LocalRepoService.java org/fdroid/fdroid/nearby/NewRepoConfig.java org/fdroid/fdroid/nearby/SDCardScannerService.java org/fdroid/fdroid/nearby/SwapService.java org/fdroid/fdroid/nearby/SwapSuccessView.java org/fdroid/fdroid/nearby/SwapWorkflowActivity.java org/fdroid/fdroid/nearby/UsbDeviceAttachedReceiver.java org/fdroid/fdroid/nearby/UsbDeviceDetachedReceiver.java org/fdroid/fdroid/nearby/WifiStateChangeService.java org/fdroid/fdroid/net/BluetoothDownloader.java org/fdroid/fdroid/net/ConnectivityMonitorService.java org/fdroid/fdroid/net/DnsCache.java org/fdroid/fdroid/net/DownloaderService.java org/fdroid/fdroid/panic/PanicResponderActivity.java org/fdroid/fdroid/privileged/views/AppSecurityPermissions.java org/fdroid/fdroid/privileged/views/UninstallDialogActivity.java org/fdroid/fdroid/qr/CameraCharacteristicsMinApiLevel21.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				org/fdroid/fdroid/receiver/RepoUpdateReceiver.java org/fdroid/fdroid/receiver/StartupReceiver.java org/fdroid/fdroid/receiver/UnarchivePackageReceiver.java org/fdroid/fdroid/views/AppDetailsActivity.java org/fdroid/fdroid/views/AppDetailsRecyclerViewAdapter.java org/fdroid/fdroid/views/PreferencesFragment.java org/fdroid/fdroid/views/appdetails/AntiFeaturesListingView.java org/fdroid/fdroid/views/apps/AppListActivity.java org/fdroid/fdroid/views/apps/AppListItemController.java org/fdroid/fdroid/views/categories/CategoryController.java org/fdroid/fdroid/views/main/CategoriesViewBinder.java org/fdroid/fdroid/views/main/MainActivity.java org/fdroid/fdroid/views/main/NearbyViewBinder.java org/fdroid/fdroid/views/repos/AddRepoActivity.java org/fdroid/fdroid/views/repos/ManageReposActivity.java org/fdroid/fdroid/views/repos/RepoDetailsViewModel$setArchiveRepoEnabled$1.java org/fdroid/fdroid/work/FDroidMetricsWorker.java org/fdroid/fdroid/work/RepoUpdateWorker.java org/fdroid/fdroid/work/UnarchiveWorker.java org/fdroid/index/v1/IndexV1Creator.java
2	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	org/fdroid/fdroid/Utils.java
3	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	javax/jmdns/impl/JmDNSImpl.java org/fdroid/download/Mirror.java org/fdroid/download/ProxyKt.java org/fdroid/fdroid/FDroidApp.java org/fdroid/fdroid/Preferences.java
4	App creates temp file. Sensitive information should never be written into a temp file.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/journeyapps/barcodescanner/CaptureManager.java fi/iki/elonen/NanoHTTPD.java org/fdroid/fdroid/RepoUpdateManager.java org/fdroid/fdroid/nearby/SwapService.java org/fdroid/index/RepoManager.java org/fdroid/index/RepoUpdater.java org/fdroid/index/v1/IndexV1Updater.java org/fdroid/index/v2/IndexV2Updater.java org/fdroid/repo/RepoV1Fetcher.java org/fdroid/repo/RepoV2Fetcher.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
5	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	javax/jmdns/impl/DNSRecord.java javax/jmdns/impl/JmDNSImpl.java org/fdroid/fdroid/FDroidApp.java org/fdroid/fdroid/Preferences.java org/fdroid/fdroid/views/apps/FeatureImage.java org/fdroid/fdroid/views/categories/CategoryController.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	ch/qos/logback/core/android/AndroidContextUtil.java org/acra/file/Directory.java org/fdroid/fdroid/data/Apk.java org/fdroid/fdroid/data/App.java org/fdroid/fdroid/installer/ObfInstallerService.java org/fdroid/fdroid/nearby/SDCardScannerService.java org/fdroid/fdroid/views/main/NearbyViewBinder.java
7	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	ch/qos/logback/classic/joran/action/ConfigurationAction.java ch/qos/logback/core/CoreConstants.java com/bumptech/glide/load/engine/DataCacheKey.java com/bumptech/glide/load/engine/EngineResource.java com/bumptech/glide/load/engine/ResourceCacheKey.java io/ktor/http/HttpHeaders.java kellinwood/security/zipsigner/ZipSigner.java org/fdroid/database/NewRepository.java org/fdroid/database/RepositoryPreferences.java org/fdroid/download/DownloadRequest.java org/fdroid/fdroid/views/apps/AppListActivity.java org/fdroid/repo/RepoUriGetter.java
8	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	ch/qos/logback/core/net/ssl/SSLContextFactoryBean.java fi/iki/elonen/NanoHTTPD.java
9	MD5 is a weak hash known to have hash collisions.	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	kellinwood/security/zipsigner/ZipSigner.java org/fdroid/index/IndexUtils.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
10	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	kellinwood/security/zipsigner/ZipSigner.java

SHARED LIBRARY BINARY ANALYSIS

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
1	x86/libandroidx.graphics.path.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with -fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
2	armeabi-v7a/libandroidx.graphics.path.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with -fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

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

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
4	x86_64/libandroidx.graphics.path.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with -fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
5	x86/libandroidx.graphics.path.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with -fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
6	armeabi-v7a/libandroidx.graphics.path.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with -fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

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

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
8	x86_64/libandroidx.graphics.path.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with -fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	True info This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option -D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION

BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
00013	Read file and put it into a stream	file	ch/qos/logback/core/joran/GenericConfigurator.java ch/qos/logback/core/joran/action/PropertyAction.java com/bumptech/glide/disklrucache/DiskLruCache.java com/bumptech/glide/load/ImageHeaderParserUtils.java com/bumptech/glide/load/model/FileLoader.java org/acra/util/StreamReader.java org/fdroid/download/Downloader.java org/fdroid/fdroid/Utils.java org/fdroid/fdroid/data/DBHelper.java org/fdroid/fdroid/nearby/BluetoothServer.java org/fdroid/fdroid/nearby/LocalHTTPD.java org/fdroid/fdroid/nearby/LocalRepoKeyStore.java org/fdroid/fdroid/net/LocalFileDownloader.java org/fdroid/fdroid/views/InstallHistoryActivity.java org/fdroid/index/IndexCreator.java org/fdroid/index/v2/IndexV2Updater.java org/fdroid/repo/RepoV2Fetcher.java
00162	Create InetSocketAddress object and connecting to it	socket	org/fdroid/fdroid/Utils.java
00163	Create new Socket and connecting to it	socket	org/fdroid/fdroid/Utils.java
00112	Get the date of the calendar event	collection calendar	org/fdroid/fdroid/Utils.java
00036	Get resource file from res/raw directory	reflection	info/guardianproject/netcipher/proxy/OrbotHelper.java org/fdroid/fdroid/Utils.java org/fdroid/fdroid/data/App.java org/fdroid/fdroid/installer/DefaultInstaller.java org/fdroid/fdroid/nearby/PublicSourceDirProvider.java org/fdroid/fdroid/views/AppDetailsActivity.java org/fdroid/fdroid/views/AppDetailsRecyclerViewAdapter.java org/fdroid/fdroid/views/main/NearbyViewBinder.java

RULE ID	BEHAVIOUR	LABEL	FILES
00063	Implicit intent(view a web page, make a phone call, etc.)	control	info/guardianproject/netcipher/proxy/OrbotHelper.java org/fdroid/fdroid/installer/DefaultInstaller.java org/fdroid/fdroid/installer/DefaultInstallerActivity.java org/fdroid/fdroid/installer/FileInstallerActivity.java org/fdroid/fdroid/installer/InstallHistoryService.java org/fdroid/fdroid/installer/InstallManagerService.java org/fdroid/fdroid/installer/Installer.java org/fdroid/fdroid/installer/InstallerService.java org/fdroid/fdroid/installer/ObfInstallerService.java org/fdroid/fdroid/nearby/NewRepoConfig.java org/fdroid/fdroid/nearby/PublicSourceDirProvider.java org/fdroid/fdroid/nearby/SwapService.java org/fdroid/fdroid/nearby/SwapWorkflowActivity.java org/fdroid/fdroid/net/DownloaderService.java org/fdroid/fdroid/panic/PanicPreferencesFragment.java org/fdroid/fdroid/views/AppDetailsActivity.java org/fdroid/fdroid/views/AppDetailsRecyclerViewAdapter.java org/fdroid/fdroid/views/StatusBanner.java org/fdroid/fdroid/views/appdetails/AntiFeaturesListingView.java org/fdroid/fdroid/views/apps/AppListItemController.java org/fdroid/fdroid/views/main/NearbyViewBinder.java org/fdroid/fdroid/views/repos/AddRepoActivity.java
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	info/guardianproject/netcipher/proxy/OrbotHelper.java org/fdroid/fdroid/installer/DefaultInstaller.java org/fdroid/fdroid/installer/DefaultInstallerActivity.java org/fdroid/fdroid/installer/Installer.java org/fdroid/fdroid/installer/InstallerService.java org/fdroid/fdroid/nearby/SwapService.java org/fdroid/fdroid/net/DownloaderService.java org/fdroid/fdroid/panic/PanicPreferencesFragment.java org/fdroid/fdroid/views/appdetails/AntiFeaturesListingView.java org/fdroid/fdroid/views/main/NearbyViewBinder.java org/fdroid/fdroid/views/repos/AddRepoActivity.java
00039	Start a web server	control network	fi/iki/elonen/NanoHTTPD.java

RULE ID	BEHAVIOUR	LABEL	FILES
00022	Open a file from given absolute path of the file	file	ch/qos/logback/core/android/AndroidContextUtil.java com/journeyapps/barcodescanner/CaptureManager.java fi/iki/elonen/NanoHTTPD.java org/fdroid/fdroid/data/App.java org/fdroid/fdroid/data/SanitizedFile.java org/fdroid/fdroid/installer/ApkCache.java org/fdroid/fdroid/installer/ObfInstallerService.java org/fdroid/fdroid/nearby/BluetoothServer.java org/fdroid/fdroid/nearby/LocalHTTPD.java org/fdroid/fdroid/nearby/LocalRepoKeyStore.java org/fdroid/fdroid/nearby/LocalRepoManager.java org/fdroid/fdroid/net/DownloaderService.java org/fdroid/fdroid/work/CleanCacheWorker.java org/fdroid/index/IndexCreator.java
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	com/bumptech/glide/load/data/mediastore/ThumbFetcher.java
00023	Start another application from current application	reflection control	org/fdroid/fdroid/views/AppDetailsActivity.java
00035	Query the list of the installed packages	reflection	org/fdroid/fdroid/nearby/SelectAppsView.java org/fdroid/fdroid/work/FDroidMetricsWorker.java
00130	Get the current WIFI information	wifi collection	org/fdroid/fdroid/nearby/SwapWorkflowActivity.java org/fdroid/fdroid/nearby/WifiStateChangeService.java
00024	Write file after Base64 decoding	reflection file	org/acra/util/IOUtils.java
00054	Install other APKs from file	reflection	org/fdroid/fdroid/installer/ObfInstallerService.java
00096	Connect to a URL and set request method	command network	org/fdroid/fdroid/nearby/SwapService.java
00109	Connect to a URL and get the response code	network command	com/bumptech/glide/load/data/HttpUrlFetcher.java org/fdroid/fdroid/nearby/SwapService.java
00079	Hide the current app's icon	evasion	org/fdroid/fdroid/panic/HidingManager.java

RULE ID	BEHAVIOUR	LABEL	FILES
00134	Get the current WiFi IP address	wifi collection	org/fdroid/fdroid/nearby/WifiStateChangeService.java
00089	Connect to a URL and receive input stream from the server	command network	com/bumptech/glide/load/data/HttpUrlFetcher.java
00030	Connect to the remote server through the given URL	network	com/bumptech/glide/load/data/HttpUrlFetcher.java
00183	Get current camera parameters and change the setting.	camera	com/journeyapps/barcodescanner/camera/CameraManager.java

ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	11/25	android.permission.INTERNET, android.permission.ACCESS_NETWORK_STATE, android.permission.ACCESS_WIFI_STATE, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.READ_EXTERNAL_STORAGE, android.permission.WRITE_EXTERNAL_STORAGE, android.permission.WRITE_SETTINGS, android.permission.WAKE_LOCK, android.permission.REQUEST_INSTALL_PACKAGES, android.permission.CAMERA, android.permission.ACCESS_COARSE_LOCATION
Other Common Permissions	5/44	android.permission.CHANGE_NETWORK_STATE, android.permission.CHANGE_WIFI_STATE, android.permission.FOREGROUND_SERVICE, android.permission.BLUETOOTH, android.permission.BLUETOOTH_ADMIN

Malware Permissions:

Top permissions that are widely abused by known malware.

Other Common Permissions:

Permissions that are commonly abused by known malware.

! OFAC SANCTIONED COUNTRIES

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

DOMAIN	COUNTRY/REGION

DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
en.wikipedia.org	ok	**IP:** 103.102.166.224 **Country:** United States of America **Region:** Indiana **City:** Francisco **Latitude:** 38.333332 **Longitude:** -87.447220 **View:** Google Map
liberapay.com	ok	**IP:** 172.67.150.182 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
gitlab.com	ok	**IP:** 172.65.251.78 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
journeyapps.com	ok	**IP:** 18.64.37.70 **Country:** United States of America **Region:** Washington **City:** Seattle **Latitude:** 47.627499 **Longitude:** -122.346199 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
my.imaginary.gateway	ok	No Geolocation information available.
opencollective.com	ok	**IP:** 104.26.12.145 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
xml.org	ok	**IP:** 104.239.142.8 **Country:** United States of America **Region:** Texas **City:** Windcrest **Latitude:** 29.499678 **Longitude:** -98.399246 **View:** Google Map
spdx.org	ok	**IP:** 54.192.100.90 **Country:** Italy **Region:** Sicilia **City:** Palermo **Latitude:** 38.115822 **Longitude:** 13.359760 **View:** Google Map
github.com	ok	**IP:** 20.205.243.166 **Country:** United States of America **Region:** Washington **City:** Redmond **Latitude:** 47.682899 **Longitude:** -122.120903 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
logback.qos.ch	ok	**IP:** 159.100.250.151 **Country:** Switzerland **Region:** Vaud **City:** Lausanne **Latitude:** 46.515999 **Longitude:** 6.632820 **View:** Google Map
guardianproject.info	ok	**IP:** 204.19.241.151 **Country:** United States of America **Region:** New York **City:** New York City **Latitude:** 40.755348 **Longitude:** -73.979874 **View:** Google Map
mirror.example.org	ok	No Geolocation information available.
metrics.cleaninsights.org	ok	**IP:** 13.41.251.67 **Country:** United States of America **Region:** Washington **City:** Seattle **Latitude:** 47.627499 **Longitude:** -122.346199 **View:** Google Map
archive.newpipe.net	ok	**IP:** 159.69.138.33 **Country:** Germany **Region:** Sachsen **City:** Falkenstein **Latitude:** 50.477879 **Longitude:** 12.371290 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
4everland.io	ok	**IP:** 104.21.72.66 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
apt.izzysoft.de	ok	**IP:** 144.76.109.58 **Country:** Germany **Region:** Bayern **City:** Nuremberg **Latitude:** 49.447781 **Longitude:** 11.068330 **View:** Google Map
127.0.0.1	ok	**IP:** 127.0.0.1 **Country:** - **Region:** - **City:** - **Latitude:** 0.000000 **Longitude:** 0.000000 **View:** Google Map
mirror.example.com	ok	No Geolocation information available.
microg.org	ok	**IP:** 109.230.233.153 **Country:** Germany **Region:** Hessen **City:** Frankfurt am Main **Latitude:** 50.115520 **Longitude:** 8.684170 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
flattr.com	ok	**IP:** 199.36.158.100 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
ktor.io	ok	**IP:** 18.64.18.96 **Country:** United States of America **Region:** Washington **City:** Seattle **Latitude:** 47.627499 **Longitude:** -122.346199 **View:** Google Map
briarproject.org	ok	**IP:** 157.90.23.135 **Country:** Germany **Region:** Bayern **City:** Gunzenhausen **Latitude:** 48.323330 **Longitude:** 11.601220 **View:** Google Map
f-droid.org	ok	**IP:** 37.218.247.73 **Country:** Netherlands **Region:** Noord-Holland **City:** Amsterdam **Latitude:** 52.374031 **Longitude:** 4.889690 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
www.slf4j.org	ok	**IP:** 31.97.181.89 **Country:** United Kingdom of Great Britain and Northern Ireland **Region:** England **City:** Bowness-on-Windermere **Latitude:** 54.363312 **Longitude:** -2.918590 **View:** Google Map
fdroid.link	ok	**IP:** 37.218.243.44 **Country:** Netherlands **Region:** Noord-Holland **City:** Amsterdam **Latitude:** 52.374031 **Longitude:** 4.889690 **View:** Google Map
example.org	ok	**IP:** 104.18.2.24 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
gateway.ipfs.io	ok	**IP:** 209.94.90.1 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.791256 **Longitude:** -122.400810 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
example.com	ok	**IP:** 104.18.27.120 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
forum.f-droid.org	ok	**IP:** 37.218.242.53 **Country:** Netherlands **Region:** Noord-Holland **City:** Amsterdam **Latitude:** 52.374031 **Longitude:** 4.889690 **View:** Google Map
www.f-droid.org	ok	**IP:** 37.218.243.72 **Country:** Netherlands **Region:** Noord-Holland **City:** Amsterdam **Latitude:** 52.374031 **Longitude:** 4.889690 **View:** Google Map
www.amazon.com	ok	**IP:** 23.32.245.173 **Country:** United States of America **Region:** New York **City:** New York City **Latitude:** 40.714272 **Longitude:** -74.005966 **View:** Google Map

EMAILS

EMAIL	FILE
reports@f-droid.org	org/fdroid/fdroid/BuildConfig.java

TRACKERS

TRACKER	CATEGORIES	URL
ACRA	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/444

HARDCODED SECRETS

POSSIBLE SECRETS
"login_password" : "סיסמה"
"login_password" : "Hasło"
"login_password" : "■■■■■■■■■■■"
"login_password" : "■■■■■■■"
"login_password" : "گذرواژه"
"repo_basic_auth_edit" : "Labot"
"menu_bitcoin" : "□□□"
"library_zxingandroidembedded_authorWebsite" : "https://journeyapps.com/"
"repo_basic_auth_edit" : "Променяне"

POSSIBLE SECRETS
"repo_basic_auth_edit" : "Modifica"
"repo_basic_auth_edit" : "Düzenle"
"login_password" : "Passord"
"login_password" : "■■■■■■■■■"
"repo_basic_auth_edit" : "□□"
"add_key" : "□□□□"
"login_password" : "Lykilorð"
"add_key" : "□□□□"
"repo_basic_auth_edit" : "Redakti"
"login_password" : "Parola"
"login_password" : "Heslo"
"repo_basic_auth_title" : "Lihtautentimine"
"menu_bitcoin" : "■■■■-■■■■■"
"login_password" : "□□□□□"
"menu_bitcoin" : "■■■■■■■■■■■■■"
"by_author_format" : "%s"
"repo_edit_credentials" : "□□□□"

POSSIBLE SECRETS
"menu_bitcoin" : "□□□□"
"repo_basic_auth_edit" : "Përpunojeni"
"login_password" : "Parole"
"login_password" : "Nenosiri"
"repo_basic_auth_edit" : "Редактировать"
"menu_bitcoin" : "■■■■■■■■"
"login_password" : "Lozinka"
"repo_basic_auth_password" : "□□□***"
"repo_basic_auth_username" : "□□□□%s"
"antinonfreedep_key" : "NonFreeDep"
"repo_basic_auth_edit" : "Upravit"
"repo_basic_auth_title" : "□□□□"
"menu_bitcoin" : "Bitmono"
"login_password" : "Salasõna"
"repo_basic_auth_edit" : "ویرایش"
"repo_edit_credentials" : "■■■■■■■■■■■■■■■"
"repo_basic_auth_edit" : "Muokkaa"

POSSIBLE SECRETS
"antinonfreenet_key" : "NonFreeNet"
"login_password" : "Passwort"
"login_password" : "■■■■■■■■"
"login_password" : "Contrasenya"
"add_key" : "■■■■■■■■■■■■■■■■■■"
"repo_basic_auth_edit" : "Edytuj"
"repo_edit_credentials" : "□□□□"
"by_author_format" : "□□□%s"
"repo_basic_auth_edit" : "Измени"
"repo_basic_auth_edit" : "Muuda"
"antidisabledalgorithm_key" : "DisabledAlgorithm"
"repo_basic_auth_edit" : "Рэдагаваць"
"antinonfreeassets_key" : "NonFreeAssets"
"repo_basic_auth_edit" : "Редагувати"
"antinosource_key" : "NoSourceSince"
"repo_basic_auth_edit" : "Edit"
"login_password" : "Пароль"

POSSIBLE SECRETS
"login_password" : "Cyfrinair"
"menu_bitcoin" : "□□□"
"repo_basic_auth_edit" : "עריכה"
"repo_basic_auth_edit" : "Modifier"
"login_password" : "Slaptažodis"
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"login_password" : "Парола"
"repo_basic_auth_edit" : "Bearbeiten"
"repo_basic_auth_edit" : "Bewerken"
"antitrack_key" : "Tracking"
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"login_password" : "Crae"
"repo_basic_auth_edit" : "Editatu"

POSSIBLE SECRETS
"menu_bitcoin" : "Биткойн"
"antiads_key" : "Ads"
"antiothers_key" : "_anti_others_"
"antitetherednet_key" : "TetheredNet"
"menu_bitcoin" : "■■■■■■■■■■"
"login_password" : "Contraseña"
"repo_basic_auth_edit" : "□□"
"login_password" : "Lösenord"
"repo_basic_auth_password" : "□□□***"
"login_password" : "■■■■■■■■■■■"
"login_password" : "Salasana"
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"repo_basic_auth_edit" : "Rediger"
"login_password" : "□□"
"repo_basic_auth_edit" : "Redigera"
"login_password" : "Wachtwoord"
"login_password" : "Лозинка"

POSSIBLE SECRETS
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"repo_basic_auth_title" : "Basis-Authentifizierung"
"login_password" : "Jelszó"
"login_password" : "Password"
"repo_basic_auth_username" : "□□□□□□%s"
"repo_basic_auth_edit" : "Sunting"
"repo_basic_auth_edit" : "■■■■■■■■"
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"login_password" : "Adgangskode"
"login_password" : "Fjalëkalim"
"repo_basic_auth_edit" : "Breyta"
"login_password" : "Geslo"
"antiknownvuln_key" : "KnownVuln"
"add_key" : "□□□□"

POSSIBLE SECRETS
"login_password" : "Contrasinal"
"repo_basic_auth_edit" : "Editar"
"repo_basic_auth_edit" : "□□"
"library_zxingandroidembedded_author" : "JourneyApps"
"login_password" : "□□"
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"antiupstreamnonfree_key" : "UpstreamNonFree"
"antinonfreead_key" : "NonFreeAdd"
"login_password" : "Senha"
"menu_bitcoin" : "بیت‌کوین"
"login_password" : "■■■■■■■"

POSSIBLE SECRETS
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POSSIBLE SECRETS
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POSSIBLE SECRETS
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POSSIBLE SECRETS
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POSSIBLE SECRETS
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POSSIBLE SECRETS
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MQVwithSHA384KDFAndSharedInfo

POSSIBLE SECRETS
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SCAN LOGS

Timestamp	Event	Error
2025-12-21 07:49:30	Generating Hashes	OK
2025-12-21 07:49:30	Extracting APK	OK
2025-12-21 07:49:30	Unzipping	OK
2025-12-21 07:49:32	Parsing APK with androguard	OK
2025-12-21 07:49:43	Extracting APK features using aapt/aapt2	OK
2025-12-21 07:49:45	Getting Hardcoded Certificates/Keystores	OK
2025-12-21 07:50:09	Parsing AndroidManifest.xml	OK

2025-12-21 07:50:09	Extracting Manifest Data	OK
2025-12-21 07:50:09	Manifest Analysis Started	OK
2025-12-21 07:50:09	Reading Network Security config from network_security_config.xml	OK
2025-12-21 07:50:09	Parsing Network Security config	OK
2025-12-21 07:50:09	Performing Static Analysis on: F-Droid (org.fdroid.fdroid)	OK
2025-12-21 07:50:23	Checking for Malware Permissions	OK
2025-12-21 07:50:23	Fetching icon path	OK
2025-12-21 07:50:23	Library Binary Analysis Started	OK
2025-12-21 07:50:23	Analyzing lib/x86/libandroidx.graphics.path.so	OK
2025-12-21 07:50:23	Analyzing lib/armeabi-v7a/libandroidx.graphics.path.so	OK
2025-12-21 07:50:23	Analyzing lib/arm64-v8a/libandroidx.graphics.path.so	OK
2025-12-21 07:50:23	Analyzing lib/x86_64/libandroidx.graphics.path.so	OK

2025-12-21 07:50:23	Analyzing apktool_out/lib/x86/libandroidx.graphics.path.so	OK
2025-12-21 07:50:23	Analyzing apktool_out/lib/armeabi-v7a/libandroidx.graphics.path.so	OK
2025-12-21 07:50:23	Analyzing apktool_out/lib/arm64-v8a/libandroidx.graphics.path.so	OK
2025-12-21 07:50:23	Analyzing apktool_out/lib/x86_64/libandroidx.graphics.path.so	OK
2025-12-21 07:50:23	Reading Code Signing Certificate	OK
2025-12-21 07:50:24	Running APKiD 3.0.0	OK
2025-12-21 07:50:31	Detecting Trackers	OK
2025-12-21 07:50:37	Decompiling APK to Java with JADX	OK
2025-12-21 07:53:12	Converting DEX to Smali	OK
2025-12-21 07:53:13	Code Analysis Started on - java_source	OK
2025-12-21 07:53:54	Android SBOM Analysis Completed	OK
2025-12-21 07:54:32	Android SAST Completed	OK

2025-12-21 07:54:32	Android API Analysis Started	OK
2025-12-21 07:54:41	Android API Analysis Completed	OK
2025-12-21 07:54:42	Android Permission Mapping Started	OK
2025-12-21 07:55:13	Android Permission Mapping Completed	OK
2025-12-21 07:55:14	Android Behaviour Analysis Started	OK
2025-12-21 07:55:23	Android Behaviour Analysis Completed	OK
2025-12-21 07:55:23	Extracting Emails and URLs from Source Code	OK
2025-12-21 07:55:26	Email and URL Extraction Completed	OK
2025-12-21 07:55:26	Extracting String data from APK	OK
2025-12-21 07:55:28	Extracting String data from SO	OK
2025-12-21 07:55:28	Extracting String data from Code	OK
2025-12-21 07:55:28	Extracting String values and entropies from Code	OK

2025-12-21 07:55:37	Performing Malware check on extracted domains	OK
2025-12-21 07:55:49	Saving to Database	OK

Report Generated by - MobSF v4.4.4

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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