INFORMATION

Raw Logs

DATABASE

Search:

CLASS	METHOD
android.database.sqlite.SQLiteDatabase	**getPath** *Arguments:* [] *Result:* /data/user/0/com.nextcloud.client/databases/com.google.android.datatransport.events *Return Value:* /data/user/0/com.nextcloud.client/databases/com.google.android.datatransport.events *Called From:* android.database.sqlite.SQLiteDatabase.toString(SQLiteDatabase.java:2283)

CLASS	METHOD
android.database.sqlite.SQLiteDatabase	**openDatabase** *Arguments:* ['/data/user/0/com.nextcloud.client/databases/com.google.android.datatransport.events', '<instance: android.database.sqlite.SQLiteDatabase$OpenParams>'] *Result:* SQLiteDatabase: /data/user/0/com.nextcloud.client/databases/com.google.android.datatransport.events *Called From:* android.database.sqlite.SQLiteDatabase.openDatabase(SQLiteDatabase.java:729)
android.database.sqlite.SQLiteDatabase	**rawQueryWithFactory** *Arguments:* [None, 'PRAGMA busy_timeout=0;', [], None, None] *Result:* [object Object] *Called From:* android.database.sqlite.SQLiteDatabase.rawQuery(SQLiteDatabase.java:1347)

CLASS	METHOD
android.database.sqlite.SQLiteDatabase	**compileStatement** *Arguments:* ['PRAGMA user_version;'] *Result:* SQLiteProgram: PRAGMA user_version; *Called From:* android.database.DatabaseUtils.longForQuery(DatabaseUtils.java:828)
android.database.sqlite.SQLiteDatabase	**rawQuery** *Arguments:* ['PRAGMA busy_timeout=0;', []] *Result:* [object Object] *Called From:* com.google.android.datatransport.runtime.scheduling.persistence.SchemaManager.onConfigure(com.google.android.datatransport:transport-runtime@@2.2.0:113)

CLASS	METHOD
android.database.sqlite.SQLiteDatabase	**rawQueryWithFactory** *Arguments:* ['<instance: android.database.sqlite.SQLiteDatabase$CursorFactory, $className: androidx.sqlite.db.framework.FrameworkSQLiteDatabase$1>', "SELECT count(*) FROM sqlite_master WHERE name != 'android_metadata'", [], None, None] *Result:* [object Object] *Called From:* android.database.sqlite.SQLiteDatabase.rawQueryWithFactory(SQLiteDatabase.java:1383)
android.database.sqlite.SQLiteDatabase	**compileStatement** *Arguments:* ['PRAGMA user_version;'] *Result:* SQLiteProgram: PRAGMA user_version; *Called From:* android.database.DatabaseUtils.longForQuery(DatabaseUtils.java:828)

CLASS	METHOD
android.database.sqlite.SQLiteDatabase	**rawQueryWithFactory** *Arguments:* ['<instance: android.database.sqlite.SQLiteDatabase$CursorFactory, $className: androidx.sqlite.db.framework.FrameworkSQLiteDatabase$1>', "SELECT count(*) FROM sqlite_master WHERE name != 'android_metadata'", [], None] *Result:* [object Object] *Called From:* androidx.sqlite.db.framework.FrameworkSQLiteDatabase.query(FrameworkSQLiteDatabase.java:161)

CLASS	METHOD
android.database.sqlite.SQLiteDatabase	**getPath** *Arguments:* [] *Result:* /data/user/0/com.nextcloud.client/no_backup/androidx.work.workdb *Return Value:* /data/user/0/com.nextcloud.client/no_backup/androidx.work.workdb *Called From:* android.database.sqlite.SQLiteCursor.fillWindow(SQLiteCursor.java:143)

CLASS	METHOD
android.database.sqlite.SQLiteDatabase	**getPath** *Arguments:* [] *Result:* /data/user/0/com.nextcloud.client/databases/filelist *Return Value:* /data/user/0/com.nextcloud.client/databases/filelist *Called From:* android.database.sqlite.SQLiteDatabase.toString(SQLiteDatabase.java:2283)

Showing 1 to 10 of 551 entries

Previous 1 2 3 4 5 … 56 Next

CRYPTO - HASH

Search:

CLASS	METHOD

CLASS	METHOD
java.security.MessageDigest	**digest** *Arguments:* [] *Result:* -110,-126,70,106,-37,73,62,101,-46,-121,-102,15,-123,121,-14,25,69,35,-28,-12,120,116,-16,-52,39,-72,105,127,43,85,-101,28 *Return Value:* -110-12670106-377362101-46-121-10215-123121-14256935-28-12120116-16-5239-721051274385-10128 *Called From:* sun.security.util.ManifestEntryVerifier.verify(ManifestEntryVerifier.java:207)

Showing 1 to 1 of 1 entries

Previous 1 Next

DEVICE DATA

Search:

CLASS	METHOD

CLASS	METHOD
android.accounts.AccountManager	**getAccountsByType** ***Arguments:*** ['nextcloud'] ***Called From:*** com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)
android.accounts.AccountManager	**getAccountsByType** ***Arguments:*** ['nextcloud'] ***Called From:*** com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)
android.accounts.AccountManager	**getAccountsByType** ***Arguments:*** ['nextcloud'] ***Called From:*** com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)

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android.accounts.AccountManager	**getAccountsByType** ***Arguments:*** ['nextcloud'] ***Called From:*** com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)
android.accounts.AccountManager	**getAccountsByType** ***Arguments:*** ['nextcloud'] ***Called From:*** com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)
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android.accounts.AccountManager	**getAccountsByType** ***Arguments:*** ['nextcloud'] ***Called From:*** com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)
android.accounts.AccountManager	**getAccountsByType** ***Arguments:*** ['nextcloud'] ***Called From:*** com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)

CLASS	METHOD
android.accounts.AccountManager	**getAccountsByType** *Arguments:* ['nextcloud'] *Called From:* com.nextcloud.client.account.UserAccountManagerImpl.getAccounts(UserAccountManagerImpl.java:103)

Showing 1 to 10 of 158 entries

Previous 1 2 3 4 5 … 16 Next

✱ DEX CLASS LOADER

Search:

CLASS	METHOD

CLASS	METHOD
dalvik.system.BaseDexClassLoader	**findLibrary** *Arguments:* ['webviewchromium'] *Result:* /system/product/app/webview/webview.apk!/lib/x86/libwebviewchromium.so *Return Value:* /system/product/app/webview/webview.apk!/lib/x86/libwebviewchromium.so *Called From:* java.lang.Runtime.loadLibrary0(Runtime.java:1005)
dalvik.system.BaseDexClassLoader	**findLibrary** *Arguments:* ['webviewchromium_plat_support'] *Result:* /system/lib/libwebviewchromium_plat_support.so *Return Value:* /system/lib/libwebviewchromium_plat_support.so *Called From:* java.lang.Runtime.loadLibrary0(Runtime.java:1005)

CLASS	METHOD
dalvik.system.DexClassLoader	**$init** *Arguments:* ['/data/data/com.nextcloud.client/cache/frida3884353604765707111.dex', '/data/data/com.nextcloud.client/code_cache', None, '<instance: java.lang.ClassLoader, $className: dalvik.system.PathClassLoader>'] *Called From:* None

Showing 1 to 3 of 3 entries

Previous 1 Next

BINDER

Search:

CLASS	METHOD

CLASS	METHOD
android.app.Activity	**startActivity** *Arguments:* ['<instance: android.content.Intent>', None] *Called From:* android.app.Activity.startActivity(Activity.java:4873)
android.app.Activity	**startActivity** *Arguments:* ['<instance: android.content.Intent>'] *Called From:* android.accounts.AccountManager$AmsTask$Response.onResult(AccountManager.java:2337)
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$1>', '<instance: android.content.IntentFilter>', None, None] *Result:* Intent { act=android.net.conn.CONNECTIVITY_CHANGE flg=0x4200010 (has extras) } *Called From:* android.app.ContextImpl.registerReceiver(ContextImpl.java:1437)

CLASS	METHOD
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$1>', '<instance: android.content.IntentFilter>'] *Result:* Intent { act=android.net.conn.CONNECTIVITY_CHANGE flg=0x4200010 (has extras) } *Called From:* android.content.ContextWrapper.registerReceiver(ContextWrapper.java:623)
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$2>', '<instance: android.content.IntentFilter>', None, None] *Called From:* android.app.ContextImpl.registerReceiver(ContextImpl.java:1437)

CLASS	METHOD
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$2>', '<instance: android.content.IntentFilter>'] *Called From:* android.content.ContextWrapper.registerReceiver(ContextWrapper.java:623)
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$3>', '<instance: android.content.IntentFilter>', None, None] *Called From:* android.app.ContextImpl.registerReceiver(ContextImpl.java:1437)

CLASS	METHOD
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$3>', '<instance: android.content.IntentFilter>'] *Called From:* android.content.ContextWrapper.registerReceiver(ContextWrapper.java:623)
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher$1>', '<instance: android.content.IntentFilter>', None, None] *Called From:* android.app.ContextImpl.registerReceiver(ContextImpl.java:1437)

CLASS	METHOD
android.app.ContextImpl	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher$1>', '<instance: android.content.IntentFilter>'] *Called From:* android.content.ContextWrapper.registerReceiver(ContextWrapper.java:623)

Showing 1 to 10 of 16 entries

Previous 1 2 Next

IPC

Search:

CLASS	METHOD

CLASS	METHOD
android.content.ContextWrapper	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$1>', '<instance: android.content.IntentFilter>'] *Result:* Intent { act=android.net.conn.CONNECTIVITY_CHANGE flg=0x4200010 (has extras) } *Called From:* com.owncloud.android.utils.ReceiversHelper.registerNetworkChangeReceiver(ReceiversHelper.java:69)
android.content.ContextWrapper	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$2>', '<instance: android.content.IntentFilter>'] *Called From:* com.owncloud.android.utils.ReceiversHelper.registerPowerChangeReceiver(ReceiversHelper.java:96)

CLASS	METHOD
android.content.ContextWrapper	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: com.owncloud.android.utils.ReceiversHelper$3>', '<instance: android.content.IntentFilter>'] *Called From:* com.owncloud.android.utils.ReceiversHelper.registerPowerSaveReceiver(ReceiversHelper.java:122)
android.content.ContextWrapper	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher$1>', '<instance: android.content.IntentFilter>'] *Called From:* de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher.onResume(UsbConnectionDispatcher.java:113)

CLASS	METHOD
android.content.ContextWrapper	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher$1>', '<instance: android.content.IntentFilter>'] *Called From:* de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher.onResume(UsbConnectionDispatcher.java:113)
android.content.ContextWrapper	**registerReceiver** *Arguments:* ['<instance: android.content.BroadcastReceiver, $className: de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher$1>', '<instance: android.content.IntentFilter>'] *Called From:* de.cotech.hw.internal.transport.usb.UsbConnectionDispatcher.onResume(UsbConnectionDispatcher.java:113)

Showing 1 to 6 of 6 entries

Previous 1 Next

SYSTEM MANAGER

Search:

CLASS	METHOD
android.app.ApplicationPackageManager	**setComponentEnabledSetting** *Arguments:* ['<instance: android.content.ComponentName>', 1, 1] *Called From:* androidx.work.impl.utils.PackageManagerHelper.setComponentEnabled(PackageManagerHelper.java:49)
android.app.ApplicationPackageManager	**setComponentEnabledSetting** *Arguments:* ['<instance: android.content.ComponentName>', 1, 1] *Called From:* androidx.work.impl.utils.PackageManagerHelper.setComponentEnabled(PackageManagerHelper.java:49)

CLASS	METHOD
android.app.ApplicationPackageManager	**setComponentEnabledSetting** *Arguments:* ['<instance: android.content.ComponentName>', 1, 1] *Called From:* androidx.work.impl.utils.PackageManagerHelper.setComponentEnabled(PackageManagerHelper.java:49)
android.app.ApplicationPackageManager	**setComponentEnabledSetting** *Arguments:* ['<instance: android.content.ComponentName>', 1, 1] *Called From:* androidx.work.impl.utils.PackageManagerHelper.setComponentEnabled(PackageManagerHelper.java:49)

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android.app.ApplicationPackageManager	**setComponentEnabledSetting** *Arguments:* ['<instance: android.content.ComponentName>', 1, 1] *Called From:* androidx.work.impl.utils.PackageManagerHelper.setComponentEnabled(PackageManagerHelper.java:49)
android.app.ApplicationPackageManager	**setComponentEnabledSetting** *Arguments:* ['<instance: android.content.ComponentName>', 1, 1] *Called From:* androidx.work.impl.utils.PackageManagerHelper.setComponentEnabled(PackageManagerHelper.java:49)

CLASS	METHOD
android.app.ApplicationPackageManager	**setComponentEnabledSetting** *Arguments:* ['<instance: android.content.ComponentName>', 1, 1] *Called From:* androidx.work.impl.utils.PackageManagerHelper.setComponentEnabled(PackageManagerHelper.java:49)

Showing 1 to 7 of 7 entries

Previous 1 Next

TLS/SSL Security Tester

Search:

TESTS	RESULT
Cleartext Traffic Test	✅
TLS Misconfiguration Test	✅
TLS Pinning/Certificate Transparency Bypass Test	✅

TESTS	RESULT
TLS Pinning/Certificate Transparency Test	✅

Showing 1 to 4 of 4 entries

Previous 1 Next

EXPORTED ACTIVITY TESTER

Search:

SCREENSHOT	ACTIVITY
No data available in table	

Showing 0 to 0 of 0 entries

Previous Next

ACTIVITY TESTER

Search:

SCREENSHOT	ACTIVITY

SCREENSHOT	ACTIVITY
No data available in table	

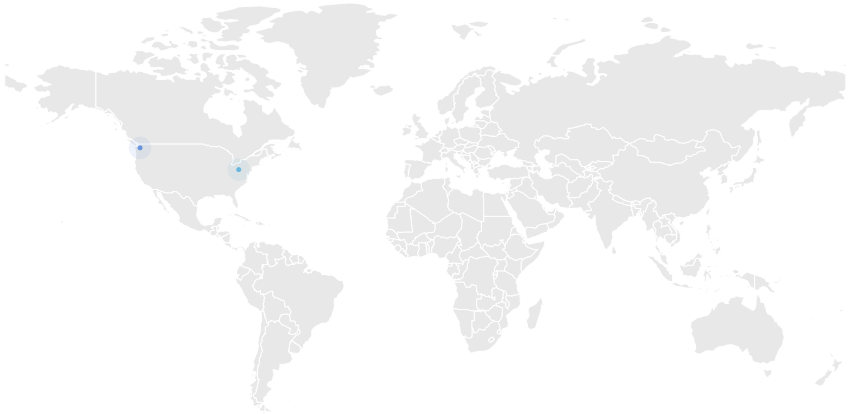
Showing 0 to 0 of 0 entries

Previous Next

SCREENSHOTS

RUNTIME DEPENDENCIES

SERVER LOCATIONS



DOMAIN MALWARE CHECK

Search:

DOMAIN	STATUS	GEOLOCATION

DOMAIN	STATUS	GEOLOCATION
github.com	good	**IP:** 20.205.243.166 **Country:** United States of America **Region:** Washington **City:** Redmond **Latitude:** 47.682899 **Longitude:** -122.120903 **View:** Google Map
user-images.githubusercontent.com	good	**IP:** 185.199.110.133 **Country:** United States of America **Region:** Pennsylvania **City:** California **Latitude:** 40.065632 **Longitude:** -79.891708 **View:** Google Map

Showing 1 to 2 of 2 entries

Previous 1 Next

CLIPBOARD DUMP

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: MobSF currently lacks the ability to perform autonomous dynamic analysis. This is because MobSF has no idea what your app's business logic is, how to fill in the login and password fields, or what data it should provide. To get the most out of MobSF dynamic analysis, you must personally walk through the application's multiple business logic and difficulties, while MobSF performs security analysis on these issues in the background.
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: MobSF is advised to stop all analysis and generate a report when the Generate Report option is selected.After the dynamic analysis is completed, the final report should look somewhat like this.
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: When the Generate Report option is selected, MobSF is instructed to stop all analysis and generate a report. The final report should resemble this after the dynamic analysis is performed.
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: Each app is given a perfect score of 100. For each finding with a high severity, MobSF subtracts 15 points from the score. MobSF deducts ten points for each finding with a severity warning and adds 5 to the score for each finding with a good severity. As long as the calculated score is higher than 100, the app security score is considered 100. And if the estimated value is less than 0, then the app security score is evaluated as 10.
: Each app is given a perfect score of 100. For each finding with a high severity, MobSF subtracts 15 points from the score. MobSF deducts ten points for each finding with a severity warning and adds 5 to the score for each finding with a good severity. As long as the calculated score is higher than 100, the app security score is considered 100. And if the estimated value is less than 0, then the app security score is evaluated as 10.
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: This section will simply display all network-related and configuration issues found in the examined application, along with their brief status and descriptions.
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: Binary Analysis
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:
: The Department of Defense and other government agencies must ensure that their mobile apps meet the National Information Assurance Partnership's security guidelines (NIAP). The National Intelligence Assessment Program (NIAP) certifies commercial hardware and software used in national security systems. So that MobSF can exhibit the NIAP analysis, this section will showcase all of the NIAP results, including their Identifier, requirement, characteristics, and brief explanations.
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: this part gives detailed information and a picture of the application's behavior.
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: This section gives detailed information and a picture of the application's behavior from a `code` perspective.
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: This section includes a lovely World Map UI that displays the assessed app's entire server location in pin-point accuracy.
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: File analysis
: File analysis
: Malware analysis
: Malware analysis
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: Server location
: Server location
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: Domain malware check
: Domain malware check
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: MobSF retrieves domains from binaries and compares them to non-malicious domains stored in its database. As a result, it uses this information to determine if a domain is good or bad.
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: All of the URLs found in the various source code files for that application will be listed and displayed in this section by MobSf.
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: Activities are nothing more than a single screen in your program with a user-interactive interface.
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: report
: report
: https://github.com/aviyelverse/Article-project-demo/tree/main/Nextcloud-apk-analysis-mobsf/static-analysis-findings
: https://github.com/aviyelverse/Article-project-demo/tree/main/Nextcloud-apk-analysis-mobsf/static-analysis-findings
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: Dynamic analysis is the process of testing and analyzing a program while the application is running. Dynamic analysis, also known as dynamic code scanning, which aids in the detection and correction of errors, memory issues, memory leaks and several other issues with program execution.
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: ![Error](https://user-images.githubusercontent.com/37651620/156732847-d60cbd54-12a0-48b8-a00f-1837cc207164.png)
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: ![Error](https://user-images.githubusercontent.com/37651620/156732877-69ca2815-9975-4d54-a67f-f9df7db90a72.png)
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: This feature provides the functionailty to displays the screen of the emulated device on the web interface. Some fundamental functions, including as touches and clicks, can be performed straight from the web interface.
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: This test allows you to dynamically test for exported actions, which is important for developing dynamic proof of concepts and verifying the static analysis results.
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: This test allows you to dynamically test for exported actions, which is useful for creating dynamic proofs of concepts and confirming static analysis results.
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: You can use this test to forcefully test all non-exported actions.
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: This test can be used to force-test all non-exported activities.
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: TLS Misconfiguration Test - Enable HTTPS MITM Proxy, Remove Root CA, Run the App for 25 seconds.
: This test will uncover insecure configurations that allow HTTPS connections bypassing certificate errors or SSL/TLS errors in WebViews. This is equivalent to not having TLS.
: TLS Pinning/Certificate Transparency Test - Enable HTTPS MITM Proxy, Install Root CA, Run the App for 25 seconds.
: This test will evaluate the application's TLS/SSL hardening controls and will check if the application implement certificate or public key pinning and or certificate transparency.
: TLS Pinning/Certificate Transparency Bypass Test - Enable HTTPS MITM Proxy, Install Root CA, Bypass Certificate/Public Key Pinning or Certificate Transparency.
: This test tries to bypass certificate or public key pinning and or certificate transparency controls in your application. MobSF can bypass most of the generic implementations.
: NOTE: For Better results, while the application is running, navigate through different business logic flows that will trigger network

connections over HTTP protocol. Make sure that no other applications are running during the test.
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: The 'Live API monitor' button will be enabled once the instrumentation process is complete. The live API monitor simply logs all API calls made during the application's lifetime.
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: ![Live api](https://user-images.githubusercontent.com/37651620/156752241-66a8484a-be34-43f7-876c-d4a6f7e9bbbf.png)
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URLS

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https://github.com/aviyelverse/article-project-demo/tree/main/nextcloud-apk-analysis-mobsf/static-analysis-findings
https://user-images.githubusercontent.com/37651620/155970672-1dbd2066-a6d2-4486-a958-c0c66eb2c097.png)
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https://user-images.githubusercontent.com/37651620/156741752-d48ab660-81df-43e9-b19e-52014ab9779f.png)

EMAILS

TRACKERS

Search:

TRACKER NAME	CATEGORIES	URL
No data available in table		

Showing 0 to 0 of 0 entries

Previous Next

BASE64 STRINGS DECODED

Search:

CALLED	DECODED STRING
No data available in table	

Showing 0 to 0 of 0 entries

Previous Next

SQLITE DATABASE

Search:

FILES
datadatacom.nextcloud.clientapp_webviewCookies
datadatacom.nextcloud.clientdatabasescom.google.android.datatransport.events
datadatacom.nextcloud.clientdatabasesfilelist
datadatacom.nextcloud.clientno_backupandroidx.work.workdb

Showing 1 to 4 of 4 entries

Previous 1 Next

XML FILES

Search:

FILES
datadatacom.nextcloud.clientshared_prefscom.nextcloud.client_preferences.xml
datadatacom.nextcloud.clientshared_prefsmigrations.xml
datadatacom.nextcloud.clientshared_prefsWebViewChromiumPrefs.xml

Showing 1 to 3 of 3 entries

Previous 1 Next

OTHER FILES

Search:

FILES
datadatacom.nextcloud.clientapp_webviewCookies-journal
datadatacom.nextcloud.clientapp_webviewvariations_seed_new
datadatacom.nextcloud.clientapp_webviewvariations_stamp
datadatacom.nextcloud.clientcacheoatx86frida3884353604765707111.odex

FILES
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datadatacom.nextcloud.clientcachethumbnailCachejournal
datadatacom.nextcloud.clientdatabasescom.google.android.datatransport.events-shm
datadatacom.nextcloud.clientdatabasescom.google.android.datatransport.events-wal
datadatacom.nextcloud.clientdatabasesfilelist-shm
datadatacom.nextcloud.clientdatabasesfilelist-wal

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Previous 1 2 Next