ANDROID STATIC ANALYSIS REPORT

🤖 File Manager (5.2.7)

File Name: Simple File Manager Explorer_v5.2.7_apkpure.com.xapk

Package Name: com.simplemobiletools.filemanager

Scan Date: March 3, 2022, 4:49 p.m.

App Security Score: **50/100 (MEDIUM RISK)**

Grade:

B

FINDINGS SEVERITY

🐛 HIGH	⚠ WARNING	ⓘ INFO	✔ SECURE
1	27	2	1

FILE INFORMATION

File Name: Simple File Manager Explorer_v5.2.7_apkpure.com.xapk
Size: 2.67MB
MD5: 8271320ca3caa073117725515d3e2b4f
SHA1: 88f3f959a42a9d4c337053f9fb04b62fee606b50
SHA256: eb8d016a95539fc0aaa16718efb672f923fe4da3f714e2b34ab9ecd8cc90d6b5

ⓘ APP INFORMATION

App Name: File Manager
Package Name: com.simplemobiletools.filemanager
Main Activity:
Target SDK: 29
Min SDK: 21
Max SDK:
Android Version Name: 5.2.7
Android Version Code: 76

■■ APP COMPONENTS

Activities: 9
Services: 0
Receivers: 1
Providers: 1
Exported Activities: 21
Exported Services: 0
Exported Receivers: 1
Exported Providers: 0

❀ CERTIFICATE INFORMATION

APK is signed
v1 signature: True
v2 signature: True
v3 signature: True
Found 1 unique certificates
Subject: CN=simplemobiletools
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2016-08-02 19:52:18+00:00
Valid To: 2041-07-27 19:52:18+00:00
Issuer: CN=simplemobiletools
Serial Number: 0x22c8937f
Hash Algorithm: sha256
md5: d35d962dbbb6eb09292b976fa48827e4
sha1: 9c9e9022ef41a7f8febef7bcf8dcd2c56e1dbe89
sha256: 72ce71148e87ccf2efd504e78e56fdd65c1c49ce9e787b5c06e7c99f39fd2dc0
sha512: 7469c33279659a7a3fe407338c82cc0da58acd3956f98ed94afba5338ea7c56259651112117668a527346da515f28764d0a25f64305b332df327ec4c37cbcb28
PublicKey Algorithm: rsa
Bit Size: 2048
Fingerprint: 16e64b17d15add34526bee73108ec7f83978452298ee335553c6e3c7e4a2f299

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.

≔ 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.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.USE_FINGERPRINT	normal	allow use of fingerprint	This constant was deprecated in API level 28. Applications should request USE_BIOMETRIC instead.

👁 APKID ANALYSIS

FILE	DETAILS

FILE	DETAILS
classes.dex	<table><tr><td>**FINDINGS**</td><td>**DETAILS**</td></tr><tr><td>Anti-VM Code</td><td>Build.FINGERPRINT check Build.MANUFACTURER check</td></tr><tr><td>Compiler</td><td>unknown (please file detection issue!)</td></tr></table>

🔒 NETWORK SECURITY

NO	SCOPE	SEVERITY	DESCRIPTION

🔍 MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION
1	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.

NO	ISSUE	SEVERITY	DESCRIPTION
2	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Grey_black) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
3	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Blue_grey) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
4	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Brown) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
5	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Deep_orange) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
6	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Orange) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
7	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Amber) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
8	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Yellow) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.

NO	ISSUE	SEVERITY	DESCRIPTION
9	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Lime) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
10	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Light_green) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
11	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Green) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
12	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Teal) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
13	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Cyan) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
14	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Light_blue) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
15	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Blue) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.

NO	ISSUE	SEVERITY	DESCRIPTION
16	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Indigo) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
17	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Deep_purple) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
18	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Purple) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
19	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Pink) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
20	Activity-Alias (com.simplemobiletools.filemanager.activities.SplashActivity.Red) is not Protected. An intent-filter exists.	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
21	Activity (com.simplemobiletools.filemanager.activities.MainActivity) is not Protected. An intent-filter exists.	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. The presence of intent-filter indicates that the Activity is explicitly exported.
22	Activity (com.simplemobiletools.filemanager.activities.ReadTextActivity) is not Protected. An intent-filter exists.	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. The presence of intent-filter indicates that the Activity is explicitly exported.

NO	ISSUE	SEVERITY	DESCRIPTION
23	Broadcast Receiver (com.simplemobiletools.commons.receivers.SharedThemeReceiver) is not Protected. [android:exported=true]	high	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.

</> CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES
1	This App copies data to clipboard. Sensitive data should not be copied to clipboard as other applications can access it.	info	OWASP MASVS: MSTG-STORAGE-10	com/simplemobiletools/filemanager/adapters/ItemsAdapter.java com/simplemobiletools/commons/extensions/ActivityKt.java
				com/bumptech/glide/load/q/d/n.java b/b/a/a/y/d.java com/bumptech/glide/q/h.java com/bumptech/glide/load/n/l.java com/bumptech/glide/load/q/h/a.java com/bumptech/glide/load/q/d/k.java a/l/b/d.java a/g/d/c.java com/bumptech/glide/m/d.java com/bumptech/glide/load/p/t.java com/bumptech/glide/load/o/c0/a.java com/bumptech/glide/n/o.java com/bumptech/glide/n/f.java a/q/a/b.java com/bumptech/glide/load/o/q.java com/bumptech/glide/load/p/c.java com/bumptech/glide/load/q/d/m.java com/bumptech/glide/load/q/d/z.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
2	[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/o/b0/e.java com/bumptech/glide/b.java a/g/k/f.java a/g/d/k.java com/bumptech/glide/load/n/b.java a/g/d/j.java a/i/b/c.java a/g/k/u.java com/bumptech/glide/n/n.java com/bumptech/glide/load/o/a0/k.java com/bumptech/glide/load/q/h/j.java com/bumptech/glide/load/p/s.java com/bumptech/glide/n/k.java com/bumptech/glide/q/j/j.java com/bumptech/glide/r/b.java com/bumptech/glide/load/q/d/r.java b/c/a/a.java a/j/a/b.java com/bumptech/glide/load/o/i.java a/g/j/b.java a/g/d/g.java a/o/y.java com/bumptech/glide/n/l.java a/g/k/t.java a/l/a/b.java com/bumptech/glide/load/o/b0/i.java a/g/k/c0/c.java com/bumptech/glide/s/l/a.java com/bumptech/glide/load/o/k.java a/g/d/e.java com/bumptech/glide/load/o/a0/j.java a/g/d/f.java com/bumptech/glide/load/o/c0/b.java com/bumptech/glide/load/q/h/d.java a/g/k/h.java a/g/i/b.java com/bumptech/glide/load/p/d.java com/bumptech/glide/load/o/z.java com/bumptech/glide/m/e.java com/bumptech/glide/q/j/d.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/bumptech/glide/load/n/o/c.java a/d/z/a.java com/bumptech/glide/load/p/f.java
				com/bumptech/glide/n/e.java a/g/k/b0.java a/g/k/b.java a/a/o/g.java com/bumptech/glide/load/q/d/d.java com/bumptech/glide/load/q/d/x.java a/j/a/d.java a/g/g/c.java a/g/k/w.java b/b/a/a/b0/g.java a/o/i0.java b/b/a/a/m/h.java com/bumptech/glide/load/n/j.java com/bumptech/glide/load/q/d/c.java com/bumptech/glide/load/q/a.java com/bumptech/glide/o/d.java a/p/a/a/i.java com/bumptech/glide/load/o/h.java b/b/a/a/z/b.java
3	SHA-1 is a weak hash known to have hash collisions.	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	com/simplemobiletools/commons/views/PinTab.java com/andrognito/patternlockview/f/a.java
4	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	com/bumptech/glide/load/o/p.java com/bumptech/glide/load/o/d.java com/bumptech/glide/load/o/x.java com/bumptech/glide/load/h.java
5	App can read/write to External Storage. Any App can read data written to External Storage.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	com/simplemobiletools/commons/dialogs/FilePickerDialog.java com/simplemobiletools/commons/extensions/ContextKt.java com/simplemobiletools/commons/extensions/Context_storageKt.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
6	The App uses an insecure Random Number Generator.	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	com/simplemobiletools/commons/extensions/IntKt.java

👤 NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
1	FCS_RBG_EXT.1.1	Security Functional Requirements	Random Bit Generation Services	The application use no DRBG functionality for its cryptographic operations.
2	FCS_STO_EXT.1.1	Security Functional Requirements	Storage of Credentials	The application does not store any credentials to non-volatile memory.
3	FCS_CKM_EXT.1.1	Security Functional Requirements	Cryptographic Key Generation Services	The application generate no asymmetric cryptographic keys.
4	FDP_DEC_EXT.1.1	Security Functional Requirements	Access to Platform Resources	The application has access to no hardware resources.
5	FDP_DEC_EXT.1.2	Security Functional Requirements	Access to Platform Resources	The application has access to no sensitive information repositories.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
6	FDP_NET_EXT.1.1	Security Functional Requirements	Network Communications	The application has no network communications.
7	FDP_DAR_EXT.1.1	Security Functional Requirements	Encryption Of Sensitive Application Data	The application does not encrypt files in non-volatile memory.
8	FMT_MEC_EXT.1.1	Security Functional Requirements	Supported Configuration Mechanism	The application invoke the mechanisms recommended by the platform vendor for storing and setting configuration options.
9	FTP_DIT_EXT.1.1	Security Functional Requirements	Protection of Data in Transit	The application does encrypt some transmitted data with HTTPS/TLS/SSH between itself and another trusted IT product.
10	FCS_COP.1.1(2)	Selection-Based Security Functional Requirements	Cryptographic Operation - Hashing	The application perform cryptographic hashing services in accordance with a specified cryptographic algorithm SHA-1/SHA-256/SHA-384/SHA-512 and message digest sizes 160/256/384/512 bits.

🔍 DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
developer.android.com	ok	**IP:** 142.250.182.206 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
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](#)
www.facebook.com	ok	**IP:** 31.13.79.35 **Country:** India **Region:** Maharashtra **City:** Mumbai **Latitude:** 19.014410 **Longitude:** 72.847939 **View:** [Google Map](#)
mvnrepository.com	ok	**IP:** 104.26.1.44 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** [Google Map](#)
play.google.com	ok	**IP:** 142.250.199.174 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** [Google Map](#)

DOMAIN	STATUS	GEOLOCATION
www.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
medium.com	ok	**IP:** 162.159.152.4 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map
simplemobiletools.com	ok	**IP:** 37.9.175.133 **Country:** Slovakia **Region:** Bratislavsky kraj **City:** Bratislava **Latitude:** 48.148159 **Longitude:** 17.106741 **View:** Google Map
www.simplemobiletools.com	ok	**IP:** 37.9.175.133 **Country:** Slovakia **Region:** Bratislavsky kraj **City:** Bratislava **Latitude:** 48.148159 **Longitude:** 17.106741 **View:** Google Map

DOMAIN	STATUS	GEOLOCATION
www.reddit.com	ok	**IP:** 199.232.117.140 **Country:** United States of America **Region:** California **City:** San Francisco **Latitude:** 37.775700 **Longitude:** -122.395203 **View:** Google Map

✉ EMAILS

EMAIL	FILE
hello@simplemobiletools.com	Android String Resource

▶ PLAYSTORE INFORMATION

Title: Simple File Manager: Explorer

Score: 4.18 **Installs:** 1,000,000+ **Price:** 0 **Android Version Support:** 5.0 and up **Category:** Tools **Play Store URL:** com.simplemobiletools.filemanager

Developer Details: Simple Mobile Tools, 9070296388022589266, Trieda KVP 1, Košice 040 23, Slovakia, https://www.simplemobiletools.com/, hello@simplemobiletools.com,

Release Date: Aug 2, 2016 **Privacy Policy:** Privacy link

Description:

Simple File Manager is a super quick & professional file explorer, folder manager and content transfer app for Android devices. Simple File Manager has all of the major folder management, fx file explorer & data transfer features. With this android file transfer & cx file explorer app, file management and content transfer has never been easier! Simple File Manager is an android file transfer and fx file explorer that entirely automates organizing your mobile files, folders, and apps to save you both time & energy. This simple mobile file transfer, external file manager & cx file explorer is fast, full-featured and extremely easy to use. Thanks to this android file transfer, you can

now manage files and data transfer safely and easily from your phone. You'll have the best cx file explorer, content transfer & external file manager in your pocket! Despite being called File Manager, this app doesn't do just that. It is an fx file explorer and content transfer that will help you manage & customize your files, folders & apps with just a few clicks. Key Features: Every File Management & File Explorer Feature Simple File Manager allows you to search, navigate, copy & paste, cut, delete, rename, decompress, transfer, download, organize & so on. You can also add, remove, or edit files, folders and apps according to your personal preferences. Top Security Powerful security-related functions, like password protecting hidden items, deleting, or the whole app. You can choose between using a pattern, pin, or a fingerprint to keep your data private. No Internet Access This android file transfer app works without internet access, further guaranteeing your ultimate privacy. Customizable Personalize colours, text size and customize the home folder at your liking. Quick Access To get a file or folder path quickly, you can easily select it by long pressing and copying it in the clipboard. You can also create handy desktop shortcuts for accessing your favourite items quickly. Organizing & Sorting You can organize and sort your mobile by various metrics and toggle between ascending and descending or using a folder specific sorting. Check File Properties Simple File Manager allows you to check the file or folder properties, which shows various fields like the size, date of the last modification, or EXIF values like the creation date, camera model at photos, etc. File Compression & Conversion Easily compress, transfer & convert media files. Save Storage Clean up space and save your internal storage by compressing files & folders. This modern media file organizer supports fast browsing of root files, SD cards, and USB devices. This simple mobile android file transfer also recognizes multiple file formats, including music, videos, images & documents. File Editor This external file manager contains a light file editor that you can use to print documents, edit them, or read easily using zoom gestures, whenever needed Contains no ads or unnecessary permissions. It is fully opensource, provides customizable colours. Check out the full suite of Simple Tools here: https://www.simplemobiletools.com Standalone website of Simple File Manager Pro: https://www.simplemobiletools.com/filemanager DEPRECATED: This version of the app is no longer maintained, get the Pro version at https://play.google.com/store/apps/details?id=com.simplemobiletools.filemanager.pro . Don't forget that if you uninstall any paid app within 2 hours, you will automatically be refunded. If you want a refund anytime later, just contact us at hello@simplemobiletools.com and you will get it. That makes it easy to try it out :)

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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.