# Android Third-Party Apps Forensics REFERENCE GUIDE

The aim of this poster is to provide a list of the most interesting files and folders in the "Data" folder for the most commonly used third-party apps.

DFPS ANDROID-APPS-v1.5 04-24 ©2024 Mattia Epifani. All Rights Reserved. Android apps can be installed from the Google PLAYSTORE, from other App stores, and also directly on the device via the ADB or SD Card. Apps are organized based on categories (e.g., Communications, Social Networking, Business/ Productivity, and so on).

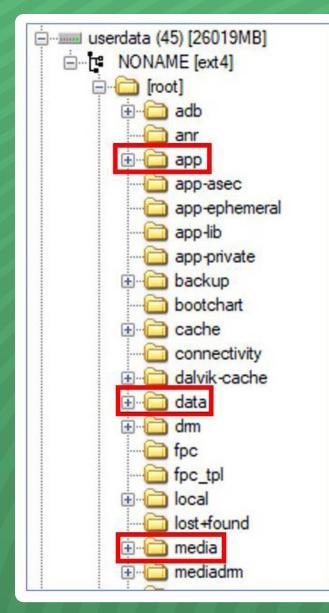
Once an app is installed on an Android device:

- App APK is stored in the USERDATA partition in a subfolder of the "/app" folder
- App Data is stored in the USERDATA partition in a subfolder of the "/data" folder (app Sandbox)

The App Data folder uses the package name (e.g., "com.whatsapp," "com.facebook.katana," "org.telegram.messenger").

The "/data/com.android.vending/database/localappstate.db" file contains information about installed packages.

Once installed, an app can request permissions to read and write data in the "/media" folder in the USERDATA partition.



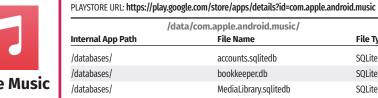
#### Entertainment/Photo & Video

File Type

SQLite

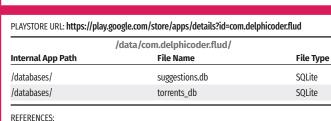
SQLite

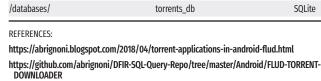






Downloader







/data/com. Internal App Path	thinkyeah.galleryvault/ File Name	File Type
/databases/	file_action_log.db	SQLite
/databases/	galleryvault.db	SQLite
/databases/	log.db	SQLite
	/media/	
Internal App Path	File Name	File Type
/.galleryvalut_DoNotDelete_ <user_id>/</user_id>	*	Various
REFERENCES:		

https://core.ac.uk/download/pdf/214330118.pdf

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.thinkyeah.galleryvault



Internal App Path	File Name	File Type
/cache/ <user_id>/</user_id>	TopNContactsGrpc*.dat	JSON
/cache/glide-cache/	*	Various
/databases/	gphotos0.db	SQLite
/databases/	gphotos-1.db	SQLite
/databases/	local_trash.db	SQLite
/databases/	media_store_extras	SQLite
/shared_prefs/	accounts.xml	XML



-4	
File Name	File Type
groupme.db	SQLite
tray.db	SQLite
	groupme.db

https://digitalforensicforest.com/2016/01/28/android-backup-file-ab-analysis



DuckDuckGo

Privacy

**Browser** 

**Firefox** 

/databases/

/files/Media/

/shared\_prefs/

**Internal App Path** 

Internal App Path

/app\_vebview/Default/

/cache/faviconsTemp/

/cache/tabPreviews/

/databases/

/databases/

/databases/

REFERENCES:

/app\_tabs/

/files/

/files/mozilla/<ID>.default/

/cache/image\_manager\_disk\_cache/

/cache/<ID>.default/cache2/entries/

/cache/mozac\_browser\_icons/icons/

/cache/mozac\_browser\_thumbnails/

/.MySecurityData/dont\_remove/

/.dom0o7b1i1le/dont\_remove/

https://core.ac.uk/download/pdf/214330118.pdf

/data	/com.imgur.mobile/	
Internal App Path	File Name	File Type
/cache/image_manager_disk_cache/	*	Various
/cache/okhttpcache/	*	Various
/cache/videoplayer/	*	Various
/databases/	imgur.db	SQLite
/shared_prefs/	com.imgur.mobile_preferences.xml	XML

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.domobile.applockwatcher

/data/com.domobile.applockwatcher/

<User\_ID>

File Name

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.duckduckgo.mobile.android

/data/com.duckduckgo.mobile.android/

pref\_store

/data/org.mozilla.firefox/

logins.sqlite

top\_sites

places.sqlite

https://www.sciencedirect.com/science/article/abs/pii/S0167739X18308070

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.android.chrome

recently\_closed\_tabs

 ${\tt PLAYSTORE~URL:} \ \textbf{https://play.google.com/store/apps/details?id=org.mozilla.firefox$ 

http://sersc.org/journals/index.php/IJAST/article/download/17649/8916/

domobile\_elock.db

com.domobile.applock\_preferences.xml XML



Netflix	

	/data/com.netflix.mediaclient/
Internal App Path	File Name
/databases/	OfflineDb
/files/	offline.realm
/files/	falkor.realm
/shared_prefs/	nfxpref.xml
DI AVCTODE LIDI . https://n	Nav gangla com letora lanne ldotaile2id-com anchantade



/data/com.enchantedcloud.photovault/		
Internal App Path	File Name	File Type
/databases/	ppv.db	SQLite
/files/media/	*	Various

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.lenovo.anyshare.gps

/data/com.lenovo.anyshare.gps/

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.netflix.mediaclient

File Type

File Type

SQLite



Internal App Path	File Name	File Type
/databases/	download.db	SQLite
/databases/	history.db	SQLite
/databases/	sharead.db	SQLite
/shared_prefs/	Settings.xml	XML
	/media/	
		File Type
Internal App Path	File Name	rite type
Internal App Path /SHAREit/	*	Various



	/uata/com.spoury.music/	
Internal App Path	File Name	File Type
/files/settings/	prefs	TXT
/files/settings/Users/	*	Various
/shared_prefs/	spotify_preferences.xml	XML
/shared_prefs/	user- <user_id>.xml</user_id>	XML
PLAYSTORE LIRL: https://play.	google.com/store/apps/details?id=org.videola	n.vlc
. E O . O E O E	2002.01001010.01.abbot.aominoa. 0.2aom	

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.spotify.music



**OUTILITIES** 

File Type

Various

File Type

SQLite

File Type

Various

SQLite

SOLite

SQLite

Various

SQLite

Google

Home

iSharing

/app\_db/

REFERENCES:

	PLAYSTORE URL: https://play.go	oogle.com/store/apps/details?id=com	.google.android.youtube
	/da	ta/com.google.android.youtube	1
	Internal App Path	File Name	File Type
	/cache/	*.cache	Various
YouTube	/databases/	identity.db	SQLite

https://abrignoni.blogspot.com/2018/04/was-video-viewed-android-video-player.html

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.google.android.apps.chromecast.app

/data/com.google.android.apps.chromecast.app/

growthkit.db

https://openrepository.aut.ac.nz/bitstream/handle/10292/13208/VargasS.pdf

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.isharing.isharing

/data/com.isharing.isharing/

Isharing\_talk

ISHARING PREFS.xml

BingSearchHistory.db

account.notifications.db

com.google.android.apps.chromecast. XML

com.google.android.apps.chromecast. XML

com.hypertrack.common.device logs.db SQLite

com.microsoft.emmx\_preferences.xml XML

SQLite

Various

Various

SOLite

app\_preferences\_no\_backup.xml

#### **Business/Productivity**



Internal App Path	data/com.dropbox.android/ File Name	File Type
/databases/	<user_id>-db.db</user_id>	SQLite
/databases/	<user_id>-notifications.db</user_id>	SQLite
/databases/	<user_id>-prefs.db</user_id>	SQLite
/databases/	db.db	SQLite
/databases/	prefs.db	SQLite
/shared_prefs/	DropboxAccountPrefs.xml	XML
/shared prefs/	DropboxPersistentPrefs.xml	XML

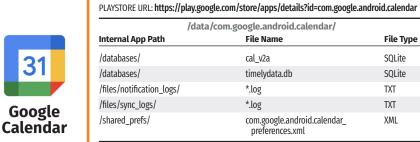
https://www.researchgate.net/publication/267027268\_Acquisition\_and\_Analysis\_of\_Digital\_ Evidence\_in\_Android\_Smartphones https://www.researchgate.net/publication/337419373\_Digital\_Forensics\_Study\_of\_a\_Cloud\_Storage\_Client\_A\_Dropbox\_Artifact\_Analysis

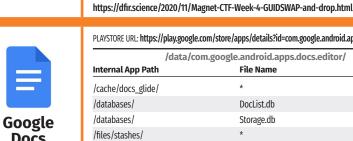
PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.google.android.gm



Internal App Path	File Name	File Type
/cache/ <user_id>/</user_id>	TopNContactsGrpc*.dat	JSON
/cache/org.chromium.android_webview/	*	Various
/cache/	<name>.attachment</name>	Various
/databases/	<email_address>.db</email_address>	SQLite
/databases/	bigTopDataDB <user_id></user_id>	SQLite
/databases/	EmailProvider.db	SQLite
/databases/	metadata <user_id></user_id>	SQLite
/files/downloads/	*	Various
/shared_prefs/	Gmail.xml	XML
/shared_prefs/	MailAppProvider.xml	XML

https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s07.html





	/data/com.google.android.apps.docs.editor/	
Internal App Path	File Name	File Type
/cache/docs_glide/	*	Various
/databases/	DocList.db	SQLite
/databases/	Storage.db	SQLite
/files/stashes/	*	SQLite
/shared_prefs/	GoogleDriveSharedPreferences.x	kml XML

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.google.android.apps.docs



/app_cello/ <user_email>/</user_email>	cello.db	SQLite
/cache/ <user_id>/</user_id>	TopNContactsGrpc*.dat	JSON
/cache/docs_glide/	*	Various
/databases/	DocList.db	SQLite
/shared_prefs/	GoogleDriveSharedPreferences.xml	XML
/shared_prefs/	webview.xml	XML





PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.google.android.keep			
/data/com.google.android.keep/			
File Name	File Type		
*	Various		
keep.db	SQLite		
com.google.android.keep_preferences.xml	XML		
7/s11042-016-3718-2 earning-android-forensics/9781789131017/ ff.xhtml			
	n.google.android.keep/ File Name  * keep.db com.google.android.keep_preferences.xml  7/s11042-016-3718-2 earning-android-forensics/9781789131017/		

_	PLAYSTORE URL: https://play.go	ogle.com/store/apps/details?id=mega.p	rivacy.android.app
M	/da	nta/mega.privacy.android.app/	
LYL	Internal App Path	File Name	File Typ
	1	karere- <user_id></user_id>	SQLite
Mega	/databases/	megapreferences	

/files/account/1/

/files/account/1/

PLAYSTORE URL: https://
Internal App Path
/databases/
/databases/
/files/
/files/aria/

File Name	File Type
metadata	SQLite
AriaStorage.db	SQLite
QTMetadata.db	SQLite
*	Various
	AriaStorage.db QTMetadata.db

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.linkedin.android



/data/com.linkedin.android/		
Internal App Path	File Name	File Type
/databases/	linkedin_messenger.db	SQLite
/databases/	linkedin.db	SQLite
/databases/	linkedin_search.db	SQLite
/files/sso/	profile_pic.png	PNG
/shared prefs/	linkedInPrefsName.xml	XML



Internal App Path	File Name	File Type
/app_vebview/Default/	Cookies	SQLite
/databases/	accompliAcct.db	SQLite
/databases/	acompli.db	SQLite
/files/	HxStore.hxd	SOLite

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.microsoft.office.outlook /data/com microsoft office outlook/



١	Internal App Path	File Name	File Type
	/app_webview/Default/	Cookies	SQLite
	/databases/	SkypeTeams.db	SQLite
	/shared_prefs/	com.microsoft.teams_app_prefe	erences.xml XML
	PLAYSTORE URL: https://play.goog	gle.com/store/apps/details?id=ch.proto	onmail.android
ı	1.1		

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.microsoft.teams /data/com.microsoft.teams/



/uau	a/cii.protoiiiiait.aiiuroiu/	
Internal App Path	File Name	File Ty
/databases/	<ul><li>User_ID&gt;-AttachmentMetadata Database.db</li></ul>	SQLite
/databases/	<user_id>-ContactsDatabase.db</user_id>	SQLite
/databases/	<pre><user_id>-MessagesDatabase.db</user_id></pre>	SQLite
/databases/	<user_id>-NotificationsDatabase.db</user_id>	SQLite
/databases/	<pre><user_id>-PendingActionsDatabase.db</user_id></pre>	SQLite
/databases/	<user_id>-UnreadCountersDatabase.db</user_id>	SQLite
/files/ProtonMail/emb_att/	*	Various
/shared_prefs/	$ch.proton mail. and roid\_preferences. xml$	XML



PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.Slack

/data/com.Slack/



/data/com.wire/		
lame	File Type	
_ID>	SQLite	
	JPG	
rire.preferences.xml	XML	
	m.wire/ lame _ID> vire.preferences.xml	



REFERENCES:
https://wire-docs.wire.com/download/Wire+Security+Whitepaper.pdf
https://www.x41-dsec.de/reports/X41-Kudelski-Wire-Security-Review-Android.pdf
https://repository.canterbury.ac.uk/download/cca0400883a9c164da4db892fd2442a51cd 5f5b87c73116de6fbab8e7d3291d8/1542565/IARIA-journal-ephemeral-Camera-ReadyV4.pdf
https://blog.oxygen-forensic.com/wire-app-extraction

PLAYSTORE URL: https://play.google.com/store/apps/details?id=us.zoom.videomeetings



/data/us.zoom.videomeetings/			
Internal App Path	File Name	File Type	
/data/ <user_id>@xmpp.zoom.us/</user_id>	<user_id>@xmpp.zoom.us.asyn.db</user_id>	SQLite	
/data/ <user_id>@xmpp.zoom.us/</user_id>	<user_id>@xmpp.zoom.us.db</user_id>	SQLite	
/data/ <user_id>@xmpp.zoom.us/</user_id>	<user_id>@xmpp.zoom.us.idx.db</user_id>	SQLite	
/data/ <user_id>@xmpp.zoom.us/</user_id>	<user_id>@xmpp.zoom.us.sync.db</user_id>	SQLite	
/data/	zoommeeting.db	SQLite	
/data/	zoomus.db	SQLite	
/data/imgcache/	*	PNG	

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.myfitnesspal.android

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.nike.plusgps

/data/com.nike.plusgps File Name

com.nike.activitystore.database

/cache/picasso-cache/

https://core.ac.uk/download/pdf/301365837.pdf

https://core.ac.uk/download/pdf/301365837.pdf

REFERENCES:

/databases

/data/com.myfitnesspal.android/

myfitnesspal.db

Various

File Type

SOLite

/data/ <user_id>@xmpp.zoom.us/</user_id>	<user_id>@xmpp.zoom.us.idx.db</user_id>	SQLite
/data/ <user_id>@xmpp.zoom.us/</user_id>	<ul><li>User_ID&gt;@xmpp.zoom.us.sync.db</li></ul>	SQLite
/data/	zoommeeting.db	SQLite
/data/	zoomus.db	SQLite
/data/imgcache/	*	PNG

### **Health & Fitness**



In a language of the state of t				
/data/com.fitbit.FitbitMobile/				
Internal App Path	File Name	File Type		
/cache/picasso-cache/	*	Various		
/files/User/ <user_id>/companion_data/</user_id>	platform.db	SQLite		
/databases/	activity.db	SQLite		
/databases/	challenges	SQLite		
/databases/	device_database	SQLite		
/databases/	exercise_db	SQLite		
/databases/	heart_rate_db	SQLite		
/databases/	fitbit-db	SQLite		
/databases/	messages.db	SQLite		
/databases/	sleep	SQLite		
/databases/	social_db	SQLite		

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.fitbit.FitbitMobile

	PLAYSTORE URL: https://play.google	e.com/store/apps/details?id=com.garmin.android.ap	ps.connectmobile
GARMIN	/data/com Internal App Path	n.garmin.android.apps.connectmobile/ File Name	File Type
	/databases/	cache-database	SQLite
	/databases/	gcm_cache.db	SQLite
Garmin	/databases/	notification-database	SQLite
Connect	/databases/	sync_cache.db	SQLite
Connect	/shared_prefs/	gcm_user_preferences.xml	XML

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.google.android.apps.fitness data/com.google.android.apps.fitness/

File Name

iournal database

session database



File Type

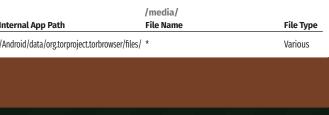
SOLite

SQLite

Run Club

MyFitnessPal

ttps://abrignoni.blogspot.com/2018/08/android-nike-run-app-geolocation-sqlite.html				
LAYSTORE URL: https://play.google.com/store/apps/details?id=com.fitnesskeeper.runkeeper.pu				
	/data/com.fitnesskeeper.runkeeper.pro/			
nternal App Path		File Name		File Type
databases/		RunKeeper.sqlite		SQLite
databases/		PC.db		SQLite
databases/		PC_PILL.db		SQLite
cache/picasso-cache/		*		Various
EFERENCES:				



#### PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.microsoft.emmx /data/com.microsoft.emmx/ /app\_chrome/Default/ /cache/Cache/ Microsoft /databases/ /shared\_prefs/

/databases/

/databases/

shared\_prefs/

/shared\_prefs/

/databases/

/databases/

/shared\_prefs/

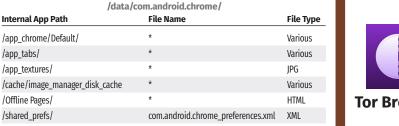
https://arxiv.org/pdf/1907.00074

0
Opera Browser

/data/com.opera.browser/			
Internal App Path	File Name	File Type	
/app_opera/	*	Various	
/cache/cache/	*	Various	
/shared prefs/	recent searches.xml	XML	

PLAYSTORE URL: https://play.google.com/store/apps/details?id=org.torproject.torbrowser

/data/org.torproject.torbrowser/



/app_textures/	*	JPG	
/cache/image_manager_disk_cache	*	Various	
/Offline Pages/	*	HTML	Tor
/shared_prefs/	com.android.chrome_preferences.xml	XML	
REFERENCES: https://www.sciencedirect.com/science	/article/ahs/nii/S0167739X18308070		

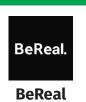
https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s08.html



nternal App Path	File Name	File Type
/app_torservice/.tor/	state	TXT
cache/mozac_browser_thumbnails/ thumbnails	*	JPG
files/mozilla/ <id>.default/</id>	browser.db	SQLite
	/media/	
nternal App Path	/media/ File Name	File Type
nternal App Path /Android/data/org.torproject.torbrowser/files	File Name	<b>File Type</b> Various

### **Social Networking**

File Type



PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.bereal.ft //data/com.bereal.ft/			
Internal App Path	File Name	File Type	
/cache/memories_cache/	*	Various	
/cache/network/	*	Various	
/shared_prefs/	onboarding.xml	XML	

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.facebook.katana /data/com.facebook.katana/

	/app_compactdisk/	*	Various
	/app_light_prefs/	logged_in_ <user_id></user_id>	JSON
	/app_mib_msys/v2/ <user_id>/</user_id>	msys_database_ <user_id></user_id>	SQLite
	/cache/compactdisk/	*	Various
	/cache/graph_store_cache/ <user_id>/</user_id>	GraphStore.sqlite3	SQLite
	/cache/org.chromium.android_webview/	*	Various
	/databases/	admined_pages_db	SQLite
	/databases/	bookmarks_db2	SQLite
	/databases/	call_logs_db_ <user_id></user_id>	SQLite
	/databases/	contacts_db2	SQLite
	/databases/	data_usage_db	SQLite
	/databases/	events.db	SQLite
	/databases/	fb.db	SQLite
	/databases/	local_media_db	SQLite
	/databases/	nearbytiles_db	SQLite
	/databases/	newsfeed.db	SQLite
	/databases/	omnistore_ <user_id>_v01.db</user_id>	SQLite
	/databases/	prefs_db	SQLite
	/databases/	search_bootstrap_db	SQLite
<	/databases/	ssus. <user_id>.android_facebook_ contacts_db</user_id>	SQLite
	/databases/	ssus. <user_id>.android_facebook_ newsfeed_db</user_id>	SQLite
	/databases/	threads_db2	SQLite
	/databases/	time_in_app_ <user_id>.db</user_id>	SQLite
	/databases/	uploadmanager.db	SQLite
	/files/ExoPlayerCacheDir/	*	Various
	/files/NewsFeed/	*	Various

	/DCIM/Facebook/	*	Various
	REFERENCES:		
	https://onlinelibrary.wiley.com/	29.13267	
	http://cheeky4n6monkey.blogspo	k-facebook-messenger-android-app.htm	
	http://freeandroidforensics.blog	gspot.com/2015/02/face	book-for-android-artifacts.html
https://www.academia.edu/10726810/Social_Media_Forensics_on_Mob			rensics_on_Mobile_Devices
	https://www.oreilly.com/library	/view/learning-android-	-forensics/9781782174578/ch07s13.htm
ı	https://www.tandfonline.com/d	oi/full/10.1080/0045061	18 2015 1066854

 ${\tt PLAYSTORE~URL:~https://play.google.com/store/apps/details?id=com.instagram.android}$ 

/media/

File Name

/shared\_prefs/

Internal App Path

com.facebook.orca\_preferences.xml XML

File Type

Internal App Path	/com.instagram.android/ File Name	File Type
/cache/	ManifestFeed- <user id="">.ison</user>	JSON
/cache/	tmp_photo_*.jpg	JPG
/cache/images/	*	JPG
/cache/images.stash/clean/	*	JPG
/cache/original_images/	*	Various
/databases/	clips_ <user_id></user_id>	SQLite
/databases/	contacts_db2	SQLite
/databases/	direct.db	SQLite
/databases/	feed_items_room_db_ <user_id></user_id>	SQLite
/databases/	flash_media_ <user_id></user_id>	SQLite
/databases/	fileregistry.db	SQLite
/databases/	Ig_msys_database_ <user_id></user_id>	SQLite
/databases/	mini_gallery_database_ <user_id></user_id>	SQLite
/databases/	recent_searches.db	SQLite
/databases/	time_in_app_ <user_id>.db</user_id>	SQLite
/databases/	transactions.db	SQLite
/databases/	user_reel_medias_room_db_ <user_id></user_id>	SQLite
/files/music/	*	Various
/files/pending_media_images/	*	Various
/files/rendered_videos/	*	Various
/shared_prefs/	autofill_store_ <user_id>.xml</user_id>	XML
/shared_prefs/	<user_id>.xml</user_id>	XML
/shared_prefs/	<pre><user_id>_USER_PREFERENCES.xml</user_id></pre>	XML
/shared_prefs/	<user_id>_usersBootstrapService.xml</user_id>	XML
/shared_prefs/	com.instagram.android_preferences.xml	XML
	/media/	
Internal App Path	File Name	File Type
/Movies/Instagram/	*	Various
/Pictures/Instagram/	*	Various

	/databases/	infosec.exchange_ <user_id>.db</user_id>	SQLite	
Mastodon	/files/	instance_infosec_exchange.json	JSON	
Mustouon				
	PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.mewe			
MeWe	/d	ata/com.mewe/		
Mevve	Internal App Path	File Name	File Type	
	/cache/image_manager_disk_cache/	*	Various	
MeWe	/databases/	app database	SQLite	

 ${\tt PLAYSTORE~URL:}~ \textbf{https://play.google.com/store/apps/details?id=org.joinmastodon.android}$ 

/data/org.joinmastodon.android/

SGSession.xml

	/data/com.pinterest/	
Internal App Path	File Name	File Type
/cache/picasso-cache/	*	Various
/cache/video/	*	Various
/databases/	pinterest-db <number></number>	SQLite
/shared_prefs/	pinterest.invite_preferences_manager.xm	XML
/shared_prefs/	pinterest.xml	XML

https://onlinelibrary.wiley.com/doi/abs/10.1111/1556-4029.13267

/shared\_prefs/

	PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.reddit.frontpage		
	/data/com.reddit.frontpage/		
	Internal App Path	File Name	File Type
	/cache/image_manager_disk_cache/	*	Various
	/databases/	AndroidVideoCache.db	SQLite
0 0	/databases/	reddit_db_ <user_id></user_id>	SQLite
	/databases/	wallet.db	SQLite
D. J.P.	/shared_prefs/	com.reddit.storage.account.xml	XML
Reddit	/shared_prefs/	com.reddit.user_settings.xml	XML
		/media/	
	Internal App Path	File Name	File Type
	/Pictures/Reddit/	*	Various

/data/com.twitter.android/		
Internal App Path	File Name	File Typ
/databases/	<user_id>.db</user_id>	SQLite
/databases/	<user_id>-dm.db</user_id>	SQLite
/databases/	<user_id>-drafts.db</user_id>	SQLite
/databases/	<user_id>-<nn>.db</nn></user_id>	SQLite
/databases/	<user_id>-scribe.db</user_id>	SQLite
/databases/	<user_id>-search.db</user_id>	SQLite
/databases/	global.db	SQLite
/shared_prefs/	$com.twitter.and roid\_preferences.xml$	XML
/shared_prefs/	PostActivity.xml	XML
/shared_prefs/	TimelineActivity.xml	XML
	/media/	
Internal App Path	File Name	File Typ
/Android/data/com.twitter.android/cache/	*	Various
/Pictures/Twitter/	*	Various



http://cs.lewisu.edu/mathcs/msisprojects/papers/kevinswartz.pdf



	PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.skout.android		
	/data/com.skout.android/		
	Internal App Path	File Name	File Ty <sub>l</sub>
	/cache/.cache/c1/	*	Various
	/databases/	skout.db	SQLite
	/databases/	skoutDatabase	SQLite
	/shared_prefs/	LOGIN_PREFS.xml	XML
	/shared_prefs/	USERIDPREFS.xml	XML
out	REFERENCES:		

REFERENCES:
https://onlinelibrary.wiley.com/doi/abs/10.1111/1556-4029.13267
https://bebinary4n6.blogspot.com/2020/05/app-skout-on-android.html
https://media.kasperskycontenthub.com/wp-content/uploads/sites/58/2017/10/21180944 1505.02906.pdf

		PLAYSTORE URL: https://play.google.com/s	store/apps/details?id=com.snapchat.and	roid
		/data/com.snapchat.android/		
		Internal App Path	File Name	File Type
		/databases/	arroyo.db	SQLite
		/databases/	core.db	SQLite
		/databases/	gallery_database.db	SQLite
		/databases/	journal.db	SQLite
		/databases/	main.db	SQLite
		/databases/	memories.db	SQLite
		/databases/	tcspahn.db	SQLite
		/databases/native_content_manager/	cache_controller.db	SQLite
		/files/native_content_manger/	*	Various
		/files/file_manager/	*	Various
	4 9	/shared_prefs/	com.snapchat.android_preferences.xml	XML
	<b>4 5</b>	/shared_prefs/	identity_persistent_store.xml	XML
	~	/shared_prefs/	LoginSugnupStore.xml	XML
•	Snapchat	/shared_prefs/	user_session_shared_pref.xml	XML
			/media/	
		Internal App Path	File Name	File Type
		/Snapchat/	*	Various
		REFERENCES:		

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https://onlinelibrary.wiley.com/doi/abs/10.1111/1556-4029.13267
https://www.sciencedirect.com/science/article/pii/S1877050917311006/pdf
https://thebinaryhick.blog/2019/06/01/two-snaps-and-a-twist-an-in-depth-and-updated- look-at-snapchat-on-android
https://www.researchgate.net/publication/317549540_Snapchat_Analysis_to_Discover_Digital_ Forensic_Artifacts_on_Android_Smartphone

Forensic_Artifacts_on_Android_Smartphone
https://courses.csail.mit.edu/6.857/2016/files/11.pdf
https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s16.html

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.zhiliaoapp.musically /data/com.zhiliaoapp.musically/

File Type

> > File Type

internat App Fath	rite ivallie	rite Type
/cache/picture/	*	Various
/cache/cachev2/	*	Various
/databases/	<user_id>_im.db</user_id>	SQLite
/databases/	aweme.db	SQLite
/databases/	downloader.db	SQLite
/databases/	db_im_xx	SQLite
/databases/	TIKTOK.db	SQLite
/databases/	video.db	SQLite
/files/	*	Various
/shared_prefs/	aweme_user.xml	XML
	/media/	
Internal App Path	File Name	File Type
/Android/data/com.zhiliaoapp. musically/cache/	*	Various
/Android/data/com.zhiliaoapp.	*	Various

Internal App Path

musically/files/		
REFERENCES:		
https://abrignoni.blogspot.com/2018/11/finding-tiktok-messages-in-android.html		
https://github.com/abrignoni/DFIR-SQL-Query-Repo/tree/master/Android/TIKTOK		
https://www.researchgate.net/publication/343856173_Post-mortem_digital_forensic_artifact of_TikTok_Android_App		

Internal Ave Bath	/data/com.tinder/	File Time
Internal App Path	File Name	File Type
/cache/picasso-cache/	*	Various
/databases/	tinder.db	SQLite
shared prefs/	SPxml	XML

nternal App Path	/data/sh.whisper/ File Name	File Type
/databases/	c.db	SQLite
databases/	w.db	SQLite
/shared_prefs/	sh.whisper_preferences.xml	XML

https://www.nw3c.org/docs/research/whisper-application.pdf

## Navigation & Travel

	PLA
(2)	<u>Inte</u> /sha
Airbnb	,

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.airbnb.android		
	/data/com.airbnb.android/	
Internal App Path	File Name	File Type
/shared_prefs/	airbnb_global_prefs.xml	SQLite

 ${\tt PLAYSTORE~URL:} \ \textbf{https://play.google.com/store/apps/details?id=com.google.android.apps.maps}$ 

<b>Q</b>
Google Maps

Internal App Path	File Name	File Type
/app_tts-cache/	*	Various
/app_tts-temp/	*	MP3
/cache/image_manager_disk_cache/	*	Various
/databases/	gmm_myplaces.db	SQLite
/databases/	gmm_storage.db	SQLite
/databases/	gmm_sync.db	SQLite
/files/	new_recent_history_cache_search.cs	Protobuf
/files/	saved_directions.data.cs	Protobuf
/shared_prefs/	settings_preference.xml	XML

	/shared_prefs/	settings_preference.xml	XML
	REFERENCES:		
http://newandroidbook.com/Book/2-Excerpt-Data.pdf https://www.oreillv.com/library/view/learning-android-forensics/9781782174578/d			
			174578/ch07s09.html

Uber
Uber

-	data/com.ubercab/	•
Internal App Path	File Name	File Type
/files/base-key-value-store/	realtime-demo_KEY_CITY	JSON
/files/base-key-value-store/	realtime-demo KEY RIDER	ISON

(3)	
Waze	

google.com/store/apps/details?id=c	om.waze	
/data/com.waze/		
File Name	File Type	
user.db	SQLite	
session	TXT	
user	TXT	
waze_log.txt	TXT	
	/data/com.waze/ File Name user.db session user	

## Finance



/data/com.paypal.android.p2pmobile/		
Internal App Path	File Name	File Type
/cache/picasso-cache/	*	Various
/shared_prefs/	com.paypal.android.p2pmobile.xml	XML

/data/com.venmo/		
Internal App Path	File Name	File Type
/cache/picasso-cache/	*	Various
/databases/	mparticle.db	SQLite
/databases/	venmo.sqlite	SQLite
/shared prefs/	Venmo.xml	XML

#### **Communication**

SQLite

SQLite

Telegram

**TextFree** 

**TextNow** 

XML

	PLAYSTORE URL: https://play.go	oogle.com/store/apps/details?id=com.adhoo	:labs.burner
(47-		/data/com.adhoclabs.burner/	
Burner	Internal App Path	File Name	File
Burner	/databases/	burners.db	SQLi
Burner	/shared_prefs/	GeneralPreferences.xml	XML
	PLAYSTORE URL: https://play.go	oogle.com/store/apps/details?id=com.disco	rd

Discord

/Pictures/Discord/	*	Various
Internal App Path	/media/ File Name	File Type
/shared_prefs/	prefsSessionDurable.xml	XML
/shared_prefs/	DiscordNotificationClient.xml	XML
/shared_prefs/	com.discord_preferences.xml	XML
/shared_prefs/	CacheStore.xml	XML
/cache/app_images_cache_small/	*	Various
Internal App Path	File Name	File Type
	m/store/apps/details?id=com.discord lata/com.discord/	
PLAYSTORE LIRI · https://play.google.co	m/store/anns/details?id=com.discord	
/shared_prefs/	GeneralPreferences.xml	XML

,		
/shared_prefs/	com.discord_preferences.xml	XML
/shared_prefs/	DiscordNotificationClient.xml	XML
/shared_prefs/	prefsSessionDurable.xml	XML
	/media/	
Internal App Path	File Name	File Typ
/Pictures/Discord/	*	Various

nttps://www.nwsc.org/docs/research/d	iiscoru.pui	
PLAYSTORE URL: https://apps.apple.com	/us/app/dust-a-safer-place-	to-text/id690158616
/data/com	.radicalapps.cyberdust/	1
Internal App Path	File Name	File Type
/cache/image_manager_disk_cache/	*	Various

room-db

AppPreferences.xml

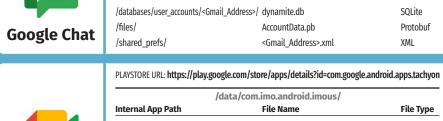
/shared\_prefs/ **Dust** REFERENCES: https://www.nw3c.org/docs/research/dust.pdf

/databases/

	/data/com.facebook.orca/	
Internal App Path	File Name	File Typ
/app_light_prefs/	logged_in_ <user_id></user_id>	JSON
/app_light_prefs/com.facebool	c.orca/ authentication	JSON
/cache/audio/	*	Various
/cache/fb_temp/	*	Various
/cache/image/	*	Various
/cache/image_scoped/	*	Various
/databases/	call_logs_db	SQLite
/databases/	contacts_db2	SQLite
/databases/	msys_database_ <user_id></user_id>	SQLite
/databases/	omnistore_ <user_id>_v01.db</user_id>	SQLite
/databases/	prefs_db	SQLite
/databases/	threads_db2	SQLite
/databases/	tican_db_ <user_id></user_id>	SQLite
/files/image/	*	JPG
/files/ExoPlayerCacheDir/	*	Various
/shared_prefs/	com.facebook.orca_preferences.xm	XML
	/media/	
Internal App Path	File Name	File Typ

	/Pictures/Messenger/	*	Various
	http://freeandroidforensics.blo https://www.academia.edu/10	ogspot.com/2015/02/facebo 726810/Social_Media_Foren doi/abs/10.1080/00450618.:	sics_on_Mobile_Devices 2015.1066854?src=recsys&journal
_			

/data/com.google.android.apps.dynamite/



PLAYSTORE URL: https://apps.apple.com/it/app/google-chat/id1163852619

/data/c	om.imo.android.imous/	
Internal App Path	File Name	File Type
/cache/image_manager_disk_cache/	*	Various
/databases/	tachyon.db	SQLite
/shared_prefs/	com.google.android.apps.tachyon_ preferences.xml	XML
REFERENCES: https://www.mdpi.com/2079-0202/9/s		

/d	ata/com.imo.android.imous/	
Internal App Path	File Name	File Ty
/databases/	accountdb.db	SQLite
/databases/	imofriends.db	SQLite
/files/	*	JSON
/shared_prefs/	com.imo.android.imous_preferences.xml	XML
	/media/	
Internal App Path	File Name	File Ty
/IMO/	*	Variou
REFERENCES:		
	/science/article/abs/pii/S1742287618300094	

		/data/kik.android/	
Internal	App Path	File Name	File Type
/databas	ses/	<user_id>.contactProfileEntries.db</user_id>	SQLite
/databas	ses/	<user_id>.KikDatabase.db</user_id>	SQLite
/databas	es/	<pre><user_id>.userRosterEntries.db</user_id></pre>	SQLite
/files/sta	ging/thumbs/	*	Various
/shared_	prefs/	<user_id>.KikPreferences.xml</user_id>	XML
		/media/	
Internal	App Path	File Name	File Type
lv:Ll		*	Variana

https://onlinelibrary.wiley.com/doi/10.1111/1556-4029.13164

/KIK/ *	Various
REFERENCES:	
https://www.researchgate.net/publication/321268908_Forensic_Analysis_of_Kik on_Android_Devices	_Messenger_
https://ieeexplore.ieee.org/abstract/document/9079092	
https://www.oreilly.com/library/view/learning-android-forensics/9781782174578	3/ch07s20.html
https://onlinelibrary.wiley.com/doi/10.1111/1556-4029.13164	
	REFERENCES: https://www.researchgate.net/publication/321268908_Forensic_Analysis_of_Kikon_Android_Devices https://ieeexplore.ieee.org/abstract/document/9079092 https://www.oreilly.com/library/view/learning-android-forensics/9781782174578

/data/jp.naver.line.android/			
Internal App Path	File Name	File Ty	
/databases/	.jup_storage	SQLite	
/databases/	call_history	SQLite	
/databases/	naver_line	SQLite	
/databases/	read_notification	SQLite	
/databases/	search.sqlite	SQLite	
	/media/		
Internal App Path	File Name	File Ty	
/Android/data/jp.naver.line.android/ files/chats/	*	Various	
/Pictures/LINE/	*	Various	

REFERENCES: http://www.csroc.org.tw/journal/JOC29_1/JOC-2901-02.pdf https://www.researchgate.net/publication/287997487_LINE_IM_app_Forensic_Analysis https://ojs.unud.ac.id/index.php/JLK/article/download/53164/33065/ https://onlinelibrary.wiley.com/doi/10.1111/1556-4029.13164
PLAYSTORE URL: https://play.google.com/store/apps/details?id=org.thoughtcrime.secures

	/data/org.thoughtcrime.securesms/	
Internal App Path	File Name	File Type
/cache/log/	*	TXT
/databases/	signal.db	SQLite
/files/avatars/	*	JPG
/shared_prefs/	org.thoughtcrime.securesms_ preferences.xml	XML
/shared_prefs/	SecureSMS-Preferences.xml	XML
	/media/	
Internal App Path	File Name	File Type
/Signal/	*	Various
REFERENCES:		

REFERENCES:
https://www.forensicmike1.com/2019/05/15/obtain-logical-signal-android/
http://www.ijits-bg.com/contents/IJITS-No4-2019/2019-N4-06.pdf
https://rado0z.github.io/Decrypt_Android_Database
https://github.com/xeals/signal-back

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.silentcircle.silentphone

		/data/com.silentcircle.silentphone/	
	Internal App Path	File Name	File Type
	/databases/	<user_id>_axo_store_enc.db</user_id>	SQLite
	/databases/	message_index.db	SQLite
	/databases/	sc_contacts.db	SQLite
	/databases/	sc_keystore.db	SQLite
	/databases/	zids_sqlite.db	SQLite
t Phone	/shared_prefs/	com.silentcircle.silentphone.xml	XML
	/shared_prefs/	com.silentcircle-silentphone_preferences.xml	XML

https://eprint.iacr.org/2016/703.pdf

/data/c	om.skype.raider/	
Internal App Path	File Name	File Ty
/databases/	s4l-live: <user_id>.db</user_id>	SQLite
/files/http-cache/	*	Variou
/files/live#3 <user_id>/</user_id>	eascache.db	SQLite
/files/live#3 <user_id>/</user_id>	main.db	SQLite
/files/live#3 <user_id>/</user_id>	qik_main.db	SQLite
/files/live#3 <user_id>/media_messaging/</user_id>	*	Variou
	/media/	
Internal App Path	File Name	File Ty
/Pictures/Skype/	*	Variou

PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.skype.raider

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http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.402.6279&rep=rep1&type=pdf
https://bebinary4n6.blogspot.com/2020/01/skype-on-android-images-in-web-cache.htm
https://www.researchgate.net/publication/311299201_Forensics_Acquisition_and_Analysi instant_messaging_and_VoIP_applications
https://www.researchgate.net/publication/258244243_Skype_Forensics_in_Android_Device
https://www.researchgate.net/publication/328568587_Forensics_Analysis_of_Skype_Vibe and_WhatsApp_Messenger_on_Android_Platform
https://www.oreilly.com/library/view/learning-android-forensics/9781789131017/ b4ed4526-33cd-4316-bd83-4d68bb0a5627.xhtml

/data/org.telegram.messenger/			
Internal App Path	File Name	File Type	
/cache/	*	Various	
/files/	cache4.db	SQLite	
/shared_prefs/	userconfig.xml	XML	
	/media/		
Internal App Path	File Name	File Type	
/Android/data/org.telegram.messenger/	cache/ *	Various	
/Pictures/Telegram/	*	Various	
/Telegram/	*	Various	

/ retegram/	various
REFERENCES:	
https://www.sciencedirect.com/science/article/abs/pii/S1742287617301767	
https://blog.digital-forensics.it/2020/04/teleparser.html	
https://dflab.blogspot.com/2019/01/cache4db-file-of-telegram-for-android.html	
https://codeby.net/resources/digital-forensic-analysis-of-telegram-messenger-or	-android



/data/com.pinger.textfree/		
Internal App Path	File Name	File Type
/databases/	tfa	SQLite
/files/logs/	*	Various
/shared prefs/	com.pinger.textfree.application.xml	XML

/data/com.enflick.android.TextNow/		
Internal App Path	File Name	File Typ
/cache/org.chromium.android_webview/	*	Various
/databases/	leanplum.db	SQLite
/databases/	textnow_data.db	SQLite
/shared_prefs/	$com.enflick.and roid. TextNow\_preferences.xml$	XML
	/media/	
Internal App Path	File Name	File Typ
/Android/data/com.enflick.android. TextNow/cache/	*	Various
/TextNow/	*	Various

	PLAYSTORE URL: https://play.go	ogle.com/store/apps/details?id=ch.threema.app	
		/data/ch.threema.app/	
	Internal App Path	File Name	File Ty
	/databases/	threema4.db	SQLite
• • •	/shared_prefs/	ch.threema.app_preferences.xml	XML
Threema	REFERENCES:		

https://books.google.it/books?id=bE8ADQAAQBAJ&pg=PA259

Threema	REFERENCES: https://github.com/wilzbach/t	hreema-decrypt	
	PLAYSTORE URL: https://play.go	ogle.com/store/apps/details?id=com.viber.voip	
		/data/com.viber.voip/	
	Internal App Path	File Name	File Type
	/databases/	viber_data	SQLite
	/databases/	viber_messages	SQLite
	/databases/	viber_prefs	SQLite
	/files/preferences/	reg viber phone num canonized	TXT

/ uatabases/	vibei_data	JULILE
/databases/	viber_messages	SQLite
/databases/	viber_prefs	SQLite
/files/preferences/	reg_viber_phone_num_canonized	TXT
/shared_prefs/	com.viber.voip.ViberPrefs.xml	XML
	/media/	
Internal App Path	File Name	File Typ
/Android/data/com.viber.voip/cache/	*	Various
/Pictures/Viber/	*	Various
	*	Various

REFERENCES:
https://onlinelibrary.wiley.com/doi/10.1111/1556-4029.13164
https://arxiv.org/ftp/arxiv/papers/1304/1304.4915.pdf
https://www.researchgate.net/publication/283666189_Implementation_of_Forensic_Analysi: Procedures_for_WhatsApp_and_Viber_Android_Applications
http://sdiwc.net/digital-library/forensics-analysis-of-skype-viber-and-whatsapp-messenge on-android-platform.html

on-android-platform.html
https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s17.htm
https://blog.oxygen-forensic.com/viber-messenger-forensics/

https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s17.html https://blog.oxygen-forensic.com/viber-messenger-forensics/
DI AVSTODE LIDI : https://play.google.com/store/apps/details2id-com/tencent mm

/data/com.tencent.mm/

Internal App Path	File Name	File Ty <sub>l</sub>
/MicroMsg/ <user_id>/</user_id>	EnMicroMsg.db	SQLite
/MicroMsg/ <user_id>/</user_id>	SnsMicroMsg.db	SQLite
/MicroMsg/ <user_id>/attachment/</user_id>	*	Various
/MicroMsg/ <user_id>/avatar/</user_id>	*	PNG/JP
/MicroMsg/ <user_id>/draft/</user_id>	*	JPG
/MicroMsg/ <user_id>/favorite/</user_id>	*	JPG
/MicroMsg/ <user_id>/image2/</user_id>	*	PNG/JP
/MicroMsg/ <user_id>/video/</user_id>	*	MP4/JP
/MicroMsg/ <user_id>/voice2/</user_id>	*	AMR
	/media/	
Internal App Path	File Name	File Ty
/ <del>-</del> - / / / / / / / / / / / / / / / / / /	+	

File Ty
Various

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PLAYSTORE URL: https://play.google.com/store/apps/details?id=com.whatsapp

	/data/com.whatsapp/	
Internal App Path	File Name	File Type
/cache/Profile Pictures/	*	JPG
/databases/	axolotol.db	SQLite
/databases/	chatsettings.db	SQLite
/databases/	companion_devices.db	SQLite
/databases/	location.db	SQLite
/databases/	media.db	SQLite
/databases/	msgstore.db	SQLite
/databases/	wa.db	SQLite
/files/Avatars/	*	Various
/files/Logs/	*	TXT
/files/Stickers/	*	WEBP
/shared_prefs/	com.whatsapp_preferences.xml	XML
/shared_prefs/	com.whatsapp_preferences_light.xml	XML
/shared_prefs/	startup_prefs.xml	XML
/shared_prefs/	RegisterPhone.xml	XML
	/media/	
Internal App Path	File Name	File Type
/WhatsApp/Backups/	*	SQLite
/WhatsApp/Databases/	*	SQLite
/WhatsApp/Media/	*	Various

/ IIICS/AVAIAIS/		various
/files/Logs/	*	TXT
/files/Stickers/	*	WEBP
/shared_prefs/	com.whatsapp_preferences.xml	XML
/shared_prefs/	com.whatsapp_preferences_light.xml	XML
/shared_prefs/	startup_prefs.xml	XML
/shared_prefs/	RegisterPhone.xml	XML
	/media/	
Internal App Path	File Name	File Type
/WhatsApp/Backups/	*	SQLite
/WhatsApp/Databases/	*	SQLite
/ WildisApp/ Dalabases/		

/files/Stickers/	*	WEBP
/shared_prefs/	com.whatsapp_preferences.xml	XML
/shared_prefs/	com.whatsapp_preferences_light.xml	XML
/shared_prefs/	startup_prefs.xml	XML
/shared_prefs/	RegisterPhone.xml	XML
	/media/	
Internal App Path	File Name	File Type
/WhatsApp/Backups/	*	SQLite
/WhatsApp/Databases/	*	SQLite
/WhatsApp/Media/	*	Various

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File Name

wickr\_db

Various

SQLite