

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-v1.1_04-21
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Android apps can be installed from the Google Play Store, 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).

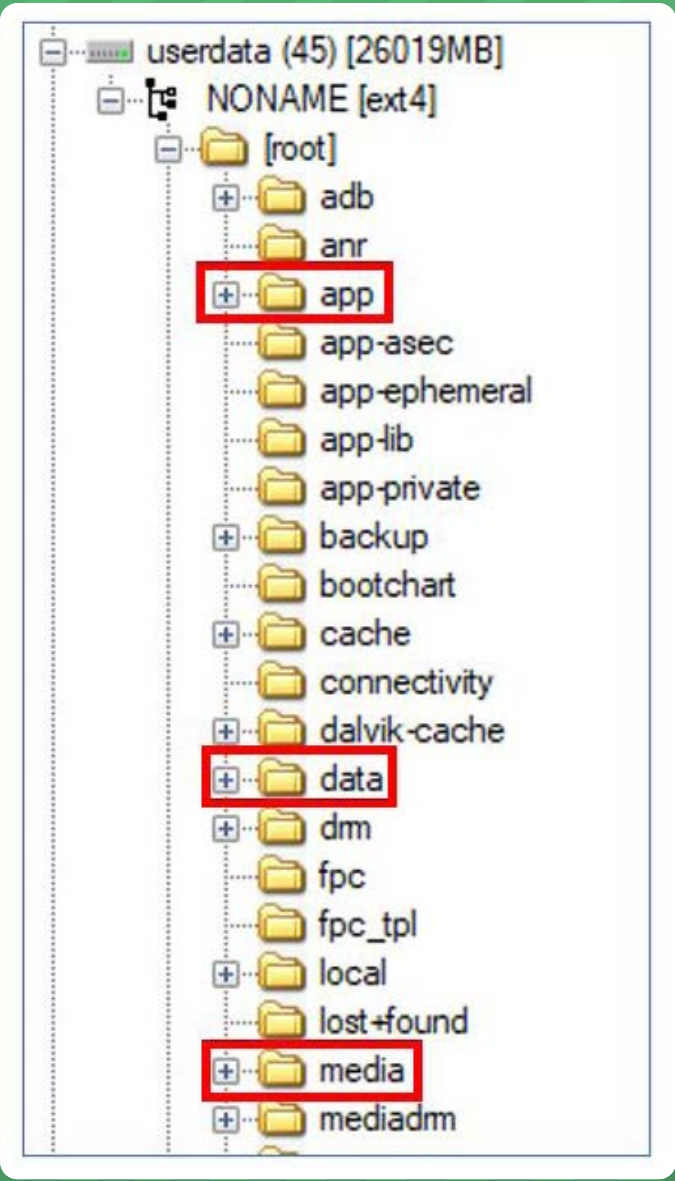
Once an app is installed on an Android device:

- **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.

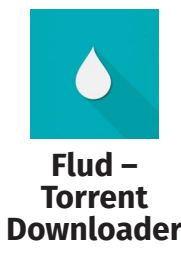


Entertainment/Photo & Video



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.apple.android.music>

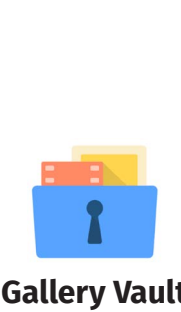
Internal App Path	File Name	File Type
/data/com.apple.android.music/		
/databases/	accounts.sqlite	SQLite
/databases/	bookkeeper.db	SQLite
/databases/	MediaLibrary.sqlite	SQLite



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.delphicoder.flud>

Internal App Path	File Name	File Type
/data/com.delphicoder.flud/		
/databases/	suggestions.db	SQLite
/databases/	torrents.db	SQLite

REFERENCES:
<https://abrignoni.blogspot.com/2018/04/torrent-applications-in-android-flud.html>
<https://github.com/abrignoni/DFIR-SQL-Query-Repo/tree/master/Android/FLUD-TORRENT-DOWNLOADER>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.thinkyeah.galleryvault>

Internal App Path	File Name	File Type
/data/com.thinkyeah.galleryvault/		
/databases/	file_action_log.db	SQLite
/databases/	galleryvault.db	SQLite
/databases/	log.db	SQLite

Internal App Path	File Name	File Type
/media/		
/galleryvault_DoNotDelete_<User_ID>	*	Various

REFERENCES:
<https://core.ac.uk/download/pdf/214330118.pdf>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.apps.tachyon>

Internal App Path	File Name	File Type
/data/com.google.android.apps.tachyon/		
/cache/image_manager_disk_cache/	*	Various
/databases/	tachyon.db	SQLite
/shared_prefs/	com.google.android.apps.tachyon_preferences.xml	XML

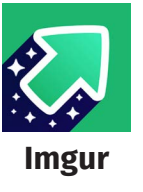
REFERENCES:
<https://www.mdpi.com/2079-9292/9/8/1215/pdf>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.apps.photos>

Internal App Path	File Name	File Type
/data/com.google.android.apps.maps/		
/cache/<User_ID>/	TopContactsGrpc*.dat	JSON
/cache/glide-cache/	*	Various
/databases/	gphotos0.db	SQLite
/databases/	gphotos-1.db	SQLite
/databases/	local_trash.db	SQLite
/databases/	media_storeExtras	SQLite
/shared_prefs/	accounts.xml	XML

REFERENCES:
<https://eagleint6blog.blogspot.com/2021/01/dumpster-diving-in-google-photos-android-app.html>
<https://digitalforensicsfore.com/2016/01/28/android-backup-file-ab-analysis>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.imgur.mobile>

Internal App Path	File Name	File Type
/data/com.imgur.mobile/		
/cache/image_manager_disk_cache/	*	Various
/cache/(<http>cache/	*	Various
/cache/videoPlayer/	*	Various
/databases/	imgur.db	SQLite
/shared_prefs/	com.imgur.mobile_preferences.xml	XML



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.netflix.mediaclient>

Internal App Path	File Name	File Type
/data/com.netflix.mediaclient/		
/databases/	OfflineDb	SQLite
/files/	offline.realm	Realm
/files/	fallout.realm	Realm
/shared_prefs/	nbgrfx.xml	XML

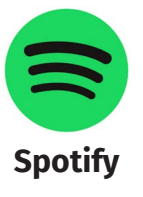


PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.lenovo.anyshare.gps>

Internal App Path	File Name	File Type
/data/com.lenovo.anyshare.gps/		
/databases/	download.db	SQLite
/databases/	history.db	SQLite
/databases/	shared.db	SQLite
/shared_prefs/	Settings.xml	XML

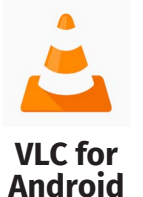
Internal App Path	File Name	File Type
/media/		
/SHAREit/	*	Various

REFERENCES:
<https://onlineilibrary.wiley.com/doi/abs/10.1111/1556-4029.13454>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.spotify.music>

Internal App Path	File Name	File Type
/data/com.spotify.music/		
/files/settings/	prefs	TXT
/files/settings/Users/	*	Various
/shared_prefs/	spotify_preferences.xml	XML
/shared_prefs/	user-<User_ID>.xml	XML



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.videolan.vlc>

Internal App Path	File Name	File Type
/data/org.videolan.vlc/		
/app.db/	vlc_media.db	SQLite

REFERENCES:
<https://abrignoni.blogspot.com/2018/04/was-video-viewed-android-video-play.html>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.youtube>

Internal App Path	File Name	File Type
/data/com.google.android.youtube/		
/cache/	*.cache	Various
/databases/	identity.db	SQLite



Business/Productivity



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.dropbox.android>

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

REFERENCES:
https://www.researchgate.net/publication/267027268_Acquisition_and_Analysis_of_Digital_Evidence_in_Android_Smartphones
https://www.researchgate.net/publication/33149373_Digital_Forensics_Study_of_a_Cloud_Storage_Client_A_Dropbox_Artifact_Analysis



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.gm>

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

REFERENCES:
<https://people.unipmn.it/~sguaz/publication/angano-2019-anfora/Angano-2019-AnforA.pdf>
<https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch0707.html>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.calendar>

Internal App Path	File Name	File Type
/data/com.google.android.calendar/		
/databases/	cal_v2a	SQLite
/databases/	timelydata.db	SQLite
/files/notification_logs/	*.log	TXT
/files/sync_logs/	*.log	TXT
/shared_prefs/	com.google.android.calendar_preferences.xml	XML

REFERENCES:
<https://dfir.science/2020/11/Magnet-CIT-Week-4-GUIDOSWAP-and-drop.html>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.apps.docs.editors.docs>

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

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.apps.docs>

Internal App Path	File Name	File Type
/data/com.google.android.apps.docs/		
/app_cello/<User_Email>/	cello.db	SQLite
/cache/<User_ID>/	TopContactsGrpc*.dat	JSON
/cache/docs_glide/	*	Various
/databases/	DocList.db	SQLite
/shared_prefs/	GoogleDriveSharedPreferences.xml	XML
/shared_prefs/	webview.xml	XML

REFERENCES:
<https://www.stark4n6.com/2020/12/google-docs-cello-doclist-dbs.html>
<https://arxiv.org/http/arxiv/papers/1709/1709.10395.pdf>
<https://jku.edu.tw/article/download/1795/1801>
<https://pdfs.semanticscholar.org/b699/6476819104162b0f9f6d6f8d0c3f2.pdf>
https://www.researchgate.net/publication/25768927_Digital_Forensic_Investigation_of_Cloud_Storage_Services



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.keep>

Internal App Path	File Name	File Type
/data/com.google.android.keep/		
/cache/image_manager_disk_cache/	*	Various
/databases/	keep.db	SQLite
/shared_prefs/	com.google.android.keep_preferences.xml	XML

REFERENCES:
<https://link.springer.com/article/10.1007/s1042-016-3718-2>
<https://www.oreilly.com/library/view/learning-android-forensics/9781781931017/071a54a-563f-4232-b5df-8b965a57c4d3.html>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.microsoft.skydrive>

Internal App Path	File Name	File Type
/data/com.microsoft.skydrive/		
/databases/	metadata	SQLite
/databases/	AriaStorage.db	SQLite
/files/aria/	*	Various



Health & Fitness



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.fitbit.FitbitMobile>

Internal App Path	File Name	File Type
/data/com.fitbit.FitbitMobile/		
/cache/picasso-cache/	*	Various
/databases/	activity.db	SQLite
/databases/	challenges	SQLite
/databases/	exercise.db	SQLite
/databases/	messages.db	SQLite
/databases/	social.db	SQLite



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.myfitnesspal.android>

Internal App Path	File Name	File Type
/data/com.myfitnesspal.android/		
/databases/	myfitnesspal.db	SQLite
/cache/picasso-cache/	*	Various

REFERENCES:
<https://core.ac.uk/download/pdf/301365837.pdf>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.linkedin.android>

Internal App Path	File Name	File Type
/data/com.linkedin.android/		
/databases/	linkedin_messenger.db	SQLite
/databases/	linkedin.db	SQLite
/databases/	linkedin_search.db	SQLite
/files/ssl/	profile_pic.png	PNG
/shared_prefs/	linkedinPrefsName.xml	XML

REFERENCES:
<https://onlineilibrary.wiley.com/doi/abs/10.1111/1556-4029.13267>
<https://www.landonline.com/doi/full/10.1080/00450618.2015.1066854>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.microsoft.office.outlook>

Internal App Path	File Name	File Type
/data/com.microsoft.office.outlook/		
/databases/	acompliact.db	SQLite
/databases/	acompli.db	SQLite

REFERENCES:
<https://github.com/abrignoni/DFIR-SQL-Query-Repo/tree/master/Android/OUTLOOK>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=ch.protonmail.android>

Internal App Path	File Name	File Type
/data/com.protonmail/		
/databases/	<User_ID>-AttachmentMetadata Database.db	SQLite
/databases/	<User_ID>-ContactsDatabase.db	SQLite
/databases/	<User_ID>-MessagesDatabase.db	SQLite
/databases/	<User_ID>-NotificationsDatabase.db	SQLite
/databases/	<User_ID>-PendingActionsDatabase.db	SQLite
/databases/	<User_ID>-UnreadCountersDatabase.db	SQLite
/files/ProtonMail/emb_att/	*	Various
/shared_prefs/	ch.protonmail.android_preferences.xml	XML

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.silencircle.silentphone>

Internal App Path	File Name	File Type
/data/com.silencircle.silentphone/		
/databases/	<User_ID>-Aaxo_store_enc.db	SQLite
/databases/	message_index.db	SQLite
/databases/	sc_contacts.db	SQLite
/databases/	sc_keystore.db	SQLite
/databases/	zids_sqlite.db	SQLite
/shared_prefs/	com.silencircle.silentphone.xml	XML
/shared_prefs/	com.silencircle.silentphone_preferences.xml	XML

REFERENCES:
<https://eprint.iacr.org/2016/703.pdf>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.Slack>

Internal App Path	File Name	File Type
/data/com.Slack/		
/cache/image_manager_disk_cache/	*	Various
/databases/	<Channel_ID>	SQLite

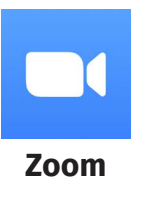
REFERENCES:
<https://abrignoni.blogspot.com/2018/09/finding-slack-messages-in-android-and.html>
<https://github.com/abrignoni/DFIR-SQL-Query-Repo/tree/master/Android/SLACK>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.wire>

Internal App Path	File Name	File Type
/data/com.wire/		
/databases/	<User_ID>	SQLite
/files/assets/	*	JPG
/shared_prefs/	com.wire.preferences.xml	XML

REFERENCES:
<https://wire-docs.wire.com/download/Wire-Security-Whitepaper.pdf>
<https://www.x41-dsec.de/reports/N4-Kodelski-Wire-Security-Review-Android.pdf>
<https://repository.canterbury.ac.uk/download/c2a040883a9c164da4db8926d442a51cd5f5b8c7316defb8a80d3291d8/1542565/IAJIA-Journal-ephemeral-Camera-Review-V4.pdf>
<https://blog.oxygen-forensic.com/wire-app-extraction/>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=us.zoom.videomeetings>

Internal App Path	File Name	File Type
/data/us.zoom.videomeetings/		
/data/<User_ID>-@mzp.zoom.us/	<User_ID>-@mzp.zoom.us.asyn.db	SQLite
/data/<User_ID>-@mzp.zoom.us/	<User_ID>-@mzp.zoom.us.db	SQLite
/data/<User_ID>-@mzp.zoom.us/	<User_ID>-@mzp.zoom.us.idx.db	SQLite
/data/<User_ID>-@mzp.zoom.us/	<User_ID>-@mzp.zoom.us.sync.db	SQLite
/data/	zoommeeting.db	SQLite
/data/	zoomus.db	SQLite

REFERENCES:
<https://www.sciencedirect.com/science/article/pii/S266828721000019>
https://www.researchgate.net/publication/348715321_Zooming_into_the_pandemic_A_forensic_analysis_of_the_Zoom_Application



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.nike.plugins>

Internal App Path	File Name	File Type
/data/com.nike.plugins/		
/databases/	com.nike.activitystore.database	SQLite

REFERENCES:
<https://abrignoni.blogspot.com/2018/08/android-nike-run-app-golocation-sqlite.html>



PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.fitnesskeeper.runkeeper.pro>

Internal App Path	File Name	File Type
/data/com.fitnesskeeper.runkeeper.pro/		
/databases/	Runkeepersqlite	SQLite
/databases/	PC.db	SQLite
/databases/	PC_PILL.db	SQLite
/cache/picasso-cache/	*	Various

REFERENCES:
<https://core.ac.uk/download/pdf/301365837.pdf>

Social Networking



Facebook

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.facebook.katana>

	/data/com.facebook.katana/	
Internal App Path	File Name	File Type
/app_compactdisk/	*	Various
/app_light_prefs/	logged_in_<User_ID>	JSON
/cache/compactdisk/	*	Various
/cache/org.chromium.android_webview/	*	Various
/databases/	admined_pages.db	SQLite
/databases/	bookmarks_db2	SQLite
/databases/	contacts_db2	SQLite
/databases/	data_usage.db	SQLite
/databases/	events.db	SQLite
/databases/	ftb.db	SQLite
/databases/	local_media.db	SQLite
/databases/	nearbyfiles.db	SQLite
/databases/	newfeed.db	SQLite
/databases/	omnistore_<User_ID>_v01.db	SQLite
/databases/	prefs.db	SQLite
/databases/	search_bootstrap.db	SQLite
/databases/	threads_db2	SQLite
/databases/	time_in_app_<User_ID>.db	SQLite
/databases/	uploadmanagere.db	SQLite
/files/ExoPlayerCacheDir/	*	Various
/shared_prefs/	com.facebook.orca_preferences.xml	XML

Internal App Path	File Name	File Type
/DCIM/Facebook/	*	Various

REFERENCES:
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13267>
<http://cheeky4n6monkey.blogspot.com/2014/01/facebook-facebook-messenger-android-app.html>
<http://freeandroidforensics.blogspot.com/2015/02/facebook-for-android-artifacts.html>
https://www.academia.edu/10726810/Social_Media_Forensics_on_Mobile_Devices
<https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s13.html>
<https://www.tandfonline.com/doi/full/10.1080/00450618.2015.1066854>



Skout

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.skout.android>

	/data/com.skout.android/	
Internal App Path	File Name	File Type
/cache/cache/c1/	*	Various
/shared_prefs/	skout.db	SQLite
/databases/	skoutdatabase	SQLite
/shared_prefs/	LOGIN_PREFS.xml	XML
/shared_prefs/	USERID_PREFS.xml	XML

REFERENCES:
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13267>
<https://bebiary4n6.blogspot.com/2020/05/app-skout-on-android.html>
<https://media.kasperskycontenthub.com/wp-content/uploads/sites/58/2017/10/2180994/1505.02906.pdf>

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.snapchat.android>

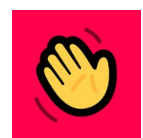
	/data/com.snapchat.android/	
Internal App Path	File Name	File Type
/databases/	armyof.db	SQLite
/databases/	gallery_database.db	SQLite
/databases/	journal.db	SQLite
/databases/	main.db	SQLite
/databases/	memories.db	SQLite
/databases/	tcspah.db	SQLite
/files/file_manager/	*	Various
/shared_prefs/	com.snapchat.android_preferences.xml	XML
/shared_prefs/	user_session_shared_pref.xml	XML

Internal App Path	File Name	File Type
/Snapchat/	*	Various

REFERENCES:
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13267>
<https://www.sciencedirect.com/science/article/pii/S087659973110061.pdf>
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https://www.researchgate.net/publication/317549540_Snapchat_Analysis_to_Discover_Digital_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>



Snapchat



Houseparty

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.herzick.houseparty>

	/data/com.herzick.houseparty/	
Internal App Path	File Name	File Type
/cache/image_manager_disk_cache/	*	Various
/databases/	instabug.db	SQLite
/files/	default.realm	Realm
/shared_prefs/	instabug.xml	XML

REFERENCES:
https://www.researchgate.net/publication/343018157_NEW_AND_EMERGING_MOBILE_APPS_AMONG_TEENS_-_ARE_FORENSIC_TOOLS_KEEPING_UP



Instagram

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.instagram.android>

	/data/com.instagram.android/	
Internal App Path	File Name	File Type
/cache/	ManifestFree-<User_ID>.json	JSON
/cache/	ttmp_photo_*.jpg	JPG
/cache/images/	*	JPG
/cache/original_images/	*	Various
/databases/	contacts_db2	SQLite
/databases/	direct.db	SQLite
/databases/	fileregistry.db	SQLite
/databases/	time_in_app_<User_ID>.db	SQLite
/databases/	transactions.db	SQLite
/files/music/	*	Various
/files/pending_media_images/	*	Various
/files/rendered_videos/	*	Various
/shared_prefs/	<User_ID>.xml	XML
/shared_prefs/	<User_ID>_USER_PREFERENCES.xml	XML
/shared_prefs/	<User_ID>_usersBootstrapService.xml	XML
/shared_prefs/	com.instagram.android_preferences.xml	XML

Internal App Path	File Name	File Type
/Movies/Instagram/	*	Various
/Pictures/Instagram/	*	Various

REFERENCES:
<https://iopscience.iop.org/article/10.1088/1757-899X/10/07/1/012116/pdf>
<https://www.techscience.com/cse/v3n2/41447/pdf>
https://www.researchgate.net/publication/34744116_Investigation_on_Instagram_Android-based_using_Digital_Forensics_Research_Workshop_Framework



MeWe

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.mewe>

	/data/com.mewe/	
Internal App Path	File Name	File Type
/cache/image_manager_disk_cache/	*	Various
/databases/	app_database	SQLite
/shared_prefs/	SGSession.xml	XML



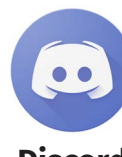
Pinterest

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.pinterest>

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

REFERENCES:
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13267>

Communications



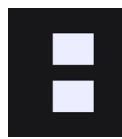
Discord

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.discord>

	/data/com.discord/	
Internal App Path	File Name	File Type
/cache/app_images_cache_small/	*	Various
/shared_prefs/	com.discord_preferences.xml	XML
/shared_prefs/	prefSessionDurable.xml	XML

Internal App Path	File Name	File Type
/Pictures/Discord/	*	Various

REFERENCES:
<https://abrigoni.blogspot.com/2017/07/discord-app-forensic-artifacts-in.html>
<https://www.nw3c.org/docs/research/discord.pdf>



Dust

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.radicalapps.cyberdust>

	/data/com.radicalapps.cyberdust/	
Internal App Path	File Name	File Type
/cache/image_manager_disk_cache/	*	Various
/databases/	room-db	SQLite
/shared_prefs/	AppPreferences.xml	XML

REFERENCES:
<https://www.nw3c.org/docs/research/dust.pdf>



Facebook Messenger

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.facebook.orca>

	/data/com.facebook.orca/	
Internal App Path	File Name	File Type
/app_light_prefs/	logged_in_<User_ID>	JSON
/cache/audio/	*	Various
/cache/tb_temp/	*	Various
/cache/image/	*	Various
/databases/	call_logs.db	SQLite
/databases/	contacts_db2	SQLite
/databases/	omnistore_<User_ID>_v01.db	SQLite
/databases/	prefs.db	SQLite
/databases/	threads_db2	SQLite
/databases/	titan_db_<User_ID>	SQLite
/files/image/	*	JPG
/files/ExoPlayerCacheDir/	*	Various
/shared_prefs/	com.facebook.orca_preferences.xml	XML

Internal App Path	File Name	File Type
/Pictures/Messenger/	*	Various

REFERENCES:
<http://cheeky4n6monkey.blogspot.com/2014/01/facebook-facebook-messenger-android-app.html>
<http://freeandroidforensics.blogspot.com/2015/02/facebook-for-android-artifacts.html>
https://www.academia.edu/10726810/Social_Media_Forensics_on_Mobile_Devices
<https://www.tandfonline.com/doi/abs/10.1080/00450618.2015.1066854?src=recsys&journalCode=taf20>
<http://jps.jalaxy.com.tw/contents/jps-v22-n5/jlms-2020-v22-n5-p828-837.pdf>
<https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s14.html>



Google Hangouts

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.google.android.talk>

	/data/com.google.android.talk/	
Internal App Path	File Name	File Type
/databases/	Babel-N>.db	SQLite
/shared_prefs/	accounts.xml	XML

REFERENCES:
<https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s10.html>
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13164>



imo

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.imo.android.imoous>

	/data/com.imo.android.imoous/	
Internal App Path	File Name	File Type
/databases/	accountdb.db	SQLite
/databases/	imofriends.db	SQLite
/files/	*	JSON
/shared_prefs/	com.imo.android.imoous_preferences.xml	XML

Internal App Path	File Name	File Type
/IMO/	*	Various

REFERENCES:
<https://www.sciencedirect.com/science/article/abs/pii/S1742287618030094>
<https://prch.gov.pk/jspui/bitstream/123456789/13429/1/Muhammad%20Asad%20Khaz20Sadach20electrical%20engng%202019%20MSc%20thesis20pr.pdf>
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13164>



Kik Messenger

PLAY STORE URL: <https://play.google.com/store/apps/details?id=kik.android>

	/data/kik.android/	
Internal App Path	File Name	File Type
/databases/	<User_ID>contactProfileEntries.db	SQLite
/databases/	<User_ID>KikDatabase.db	SQLite
/databases/	<User_ID>userRosterEntries.db	SQLite
/shared_prefs/	<User_ID>KikPreferences.xml	XML

Internal App Path	File Name	File Type
/Kik/	*	Various

REFERENCES:
https://www.researchgate.net/publication/283668189_Forensic_Analysis_of_Kik_Messenger_on_Android_Devices
<https://ieeexplore.ieee.org/abstract/document/9070992>
<https://www.oreilly.com/library/view/learning-android-forensics/9781782174578/ch07s20.html>
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13164>



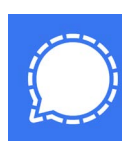
LINE

PLAY STORE URL: <https://play.google.com/store/apps/details?id=jp.naver.line.android>

	/data/jp.naver.line.android/	
Internal App Path	File Name	File Type
/databases/	call_history	SQLite
/databases/	naver_line	SQLite
/databases/	read_notification	SQLite
/databases/	search.sqlite	SQLite

Internal App Path	File Name	File Type
/Pictures/LINE/	*	Various

REFERENCES:
http://www.csrc.org.tw/journal/JOC29_1/JOC-2901-02.pdf
https://www.researchgate.net/publication/289997482_LINE_IM_app_Forensic_Analysis
<https://jqs.umd.ac.id/index.php/IJK/article/download/53164/33065>
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13164>



Signal

PLAY STORE URL: <https://play.google.com/store/apps/details?id=org.thoughtcrime.securesms>

	/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

Internal App Path	File Name	File Type
/Signal/	*	Various

REFERENCES:
<https://www.forensicmaker.net/2019/05/15/obtain-logical-signal-android/>
<http://www.jlits-bg.com/contents/0075-804-2019-04-06.pdf>



PayPal

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.paypal.android.p2pmobile>

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

REFERENCES:
<https://www.diva-portal.org/smash/get/diva2:812012/FULLTEXT01.pdf>



Venmo

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.venmo>

	/data/com.ubercah/	
Internal App Path	File Name	File Type
/cache/picasso-cache/	*	Various
/databases/	particledb	SQLite
/databases/	venmo.sqlite	SQLite
/shared_prefs/	Venmo.xml	XML

REFERENCES:
<https://thebinaryhick.blog/2019/11/07/venmo-the-app-for-virtual-bailers/>



Skype

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.skype.raider>

	/data/com.skype.raider/	
Internal App Path	File Name	File Type
/databases/	s4-live-User_ID>.db	SQLite
/files/lives4-User_ID>/	essacache.db	SQLite
/files/lives4-User_ID>/	main.db	SQLite
/files/lives4-User_ID>/	qik_main.db	SQLite
/files/lives4-User_ID>/media_messaging/	*	Various

Internal App Path	File Name	File Type
/Pictures/Skype/	*	Various

REFERENCES:
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13164>
<http://chessers121.psu.edu/viewdoc/download?doi=10.1111.402.6279&rep=rep1&type=pdf>
<https://bebiary4n6.blogspot.com/2020/01/skype-on-android-images-in-web-cache.html>
https://www.researchgate.net/publication/312199201_Forensics_Acquisition_and_Analysis_of_instant_messaging_and_VoIP_applications
https://www.researchgate.net/publication/32844242_Skype_Forensics_in_Android_Devices
https://www.researchgate.net/publication/328568582_Forensics_Analysis_of_Skype_Viber_and_WhatsApp_Messenger_on_Android_Platform
<https://www.oreilly.com/library/view/learning-android-forensics/978178131071/b445cd1-808-4dc5-9d9-6782acdb0a.html>



Telegram

PLAY STORE URL: <https://play.google.com/store/apps/details?id=org.telegram.messenger>

	/data/org.telegram.messenger/	
Internal App Path	File Name	File Type
/cache/	*	Various
/files/	cachedb	SQLite
/shared_prefs/	userconfig.xml	XML

Internal App Path	File Name	File Type
/Android/data/org.telegram.messenger/cache/	*	Various
/Pictures/Telegram/	*	Various
/Telegram/	*	Various

REFERENCES:
<https://www.sciencedirect.com/science/article/abs/pii/S1742287617301767>
<https://blog.digital-forensics.it/2020/04/telegramsc.html>
<https://dflab.blogspot.com/2019/01/cache4db-file-of-telegram-for-android.html>
<https://codehy.net/resources/digital-forensic-analysis-of-telegram-messenger-on-android-devices.809/download>
<https://onlineiblibrary.wiley.com/doi/abs/10.1111/1556-4029.13164>



TextFree

PLAY STORE URL: <https://play.google.com/store/apps/details?id=com.pinger.textfree>

	/data/com.pinger.textfree/
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