

Common Smartphone Evidence Locations

Some of the artifacts listed for the iPhone and Android may be recoverable from all dumps or just physical access depending on the device."

Partition	File	Description
Data	/com.android.providers.contacts/databases/contacts2.db /com.android.providers.contacts/databases/calllog.db /com.sec.android.provider.logs/provider/databases/logs.db	Call logs (OS 7) Call logs and more! Call logs and more!
Data	/system/accounts.db	User account information
Data	/com.android.providers.contacts/databases/contacts2.db /com.android.providers.contacts/databases/contacts3.db	Contacts Contacts (OS 7)
Data	/com.android.providers.telephony/databases/rmsms.db	SMS/MMS
Data	/com.google.android.apps.maps*	Maps
Data	/com.sec.android.daemonapp/db/WeatherClock	Location artifacts
Data	/com.google.android.gm/databases/mail-name*.db	Email snippets
Data	/com.google.android.gms/databases/herevrad	Wireless and MAC addresses
Data	/system/locksettings.db and locksettings.db.WAL	Lock settings information
Data	/com.android.providers.settings/databases/settings.db and settings.db.WAL	Lock settings information
Data	/com.android.providers.media/external*.db and external*.db.WAL	Traces to SD card used in the device.
Data	/com.samsung.android.providers.context/databases.	Application traces
Data	/com.samsung.android.providers.context/databases.	Application traces for Samsung devices
Data	/ContextLog_0.db (OS 7)	Application, User and Location traces
Data	/com.google.android.gms/databases/networkUsage.db /com.google.android.gms/databases/sms.db /com.google.android.gms/databases/reminders.db	Great place for usernames and passwords
Data	/com.android.providers.settings*	Files needed for password cracking
Data	/system*.key	Password requirements and policies.
Data	/system/device_policies.xml	Sim card and phone number information

Partition	File	Description
Data	/system/accounts*.db	User account information
Data	/com.google.android.gm/databases/mail-name*.db	Email snippets
Data	/com.android.email/databases/EmailProvider.db	Email artifacts
Data	/com.google.android.gms/databases/herevrad	Wireless and MAC addresses
Data	/system/locksettings.db and locksettings.db.WAL	Lock settings information
Data	/com.android.providers.media/external*.db and external*.db.WAL	Traces to SD card
Data	/com.android.vending/databases/localappstate.db	Application traces
Data	/com.google.android.locations/files/cache/cell /com.google.android.locations/files/cache/wifi	Cellular and WiFi
Data	/com.samsung.android.providers.context/databases/ContextLog_0.db (OS 7)	Application traces for Samsung devices
Data	/com.google.android.gms/databases/NetworkUsage.db /com.google.android.gms/databases/sms.db /com.google.android.gms/databases/reminders.db	Application, User and Location traces
Data	/system/packages.xml /system/packages.list /system/policy.xml	Application permissions
Data	/system/usagestats/0/*various directories?*.xml	Application Usage
Data	/system/batterystats.bin /system/batterystats-daily.xml /system/batterystats-checkin.bin	Application Usage (may be difficult to parse)
Data	/com.sec.android.app.launcher/databases/launcher.db /com.android.providers.downloads/databases/downloads.db	Application artifacts (even after deleted)
Data	/system/dmappmgr.db	Application Usage
Data	/com.android.providers.settings*	Great place for username and passwords
Data	/data/*	Application directories include more data
Data	/system/recent_images?.png	Application snapshots may exist here

Database	Description
Library/CoreQuest*	Device lock state (if locked, if unlocked)
/Library/Aggregations/Dictionaries/Dictionary.sqllite.db	Dictionary
/Library/BatteryInfo/CurrentPowerLog_0.SQL	Battery life tracker, Application traces
/private/var/networkd/networkinfo.sqllite	Network artifacts
/Library/Health/Health.db, secure.sqllite	Activity, Personal information, more
/Library/Health/Health.db, secure.sqllite	Frequent Locations (https://github.com/marc4n610S-Frequent-locations-bumper)
/Library/Caches/com.apple.comiclock/DataModel*.archive	Cell and WiFi locations
/Library/Caches/cache_encryptor*.db	Examines relevant app directories to obtain additional data
/Library/Caches/lockCache_encryptor*.db	Logs of cleared notifications
Applications*	User created apps correct
/Library/BulletinBoard/ClearedSections.plist	Accounts, user information, etc.
/Library/Keyboard/UseDictionary.sqllite	SMS used in device, including most recent
/Library/Accounts/Account3.sqllite	Applications permissions
/Library/Databases/CellularUsage.db	Application traces
/Library/TCCTCC.db	Application traces
/Library/Databases/DataUsage.sqllite	Application traces
/Library/com.apple.iTunesStore/iTunesStoreEnt2.sqllite.db	Application traces

Database	Description
Library/CallHistory/call_history.db	Call logs
Library/CallHistory/CallHistoryStoreData	Call record (OS 8 - iOS 10)
Library/AddressBook/AddressBook.sqllite	Contacts
Library/AddressBook/AddressBookImages.sqllite	Contact images
Library/SMS/sms.db	SMS messages
Library/SMS/Attachments*	MMS file
Library/Calendar/Calendar.sqllite	Calendar
Library/Notes/notes.sqllite	Notes
Library/Safari*	Safari activity
Library/Accounts/Account3.sqllite	Account information
Library/BulletinBoard/ClearedSections.plist	Logs of cleared notifications
Media/PhotoData/Photos.sqllite	Metadata about multimedia files
Library/TCCTCC.db	Application permissions
Library/Databases/DataUsage.sqllite	Application information and usage details
Library/ADDAStore.sqllite	iOS indexed data repository (file to macOS file.com)
Library/CoreQuest/corequest.db	unlock data repository (file to macOS file.com)

FOR585: Smartphone Forensic Analysis In-Depth

A smartphone lands on your desk and you are tasked with determining if your forensic tools to dump and parse the data. You rely on information tying the device to the place of interest. Are you ready to prove the user was at that location? Do you know how to take this further to place the subject at the location of interest at that specific date and time? Tread carefully, because the user may not have done what the tools are showing!"

SMARTPHONE DATA CAN'T HIDE FOREVER - IT'S TIME TO OUTSMART THE MOBILE DEVICE!

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Smartphone Forensic Analysis In-Depth
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