iOS Key Artificat Database Files

File	Path	Definition
Address Book Contacts	Private/var/mobile/Library/AddressBook/ AddressBook.sqlitedb	HomeDomain file; contains owner's personal contacts
Address Book Images	/private/var/mobile/Library/AddressBook /AddressBookImages.sqlitedb	HomeDomain file; contain an image associated with incoming call, third-party applications, and contacts linked to third-party application profiles
Call history	/private/var/mobile/Library/CallHistoryD B/CallHistory.storedata	Calls placed, missed, and received by the user logged in the call history; also includes metadata such as call duration, date/time/, etc.
SMS Messages (Short Message Service)	/private/var/mobile/Library/SMS/sms.db	Contains text and multimedia messages sent from and received by the device; also include phone number of the remote party, date and time, and other carrier information
Calendar events	/private/var/mobile/Library/Calendar/Cal endar.sqlitedb	Calendar events that have been manually created by user or synced using mail applications or third-party applications
Notes	/private/var/mobile/Library/Notes/notes.s qlite	Notes created by the user using the device's built-in Notes application

Safari Bookmarks and cache	/private/var/mobile/Library/Safari/Bookmarks.db /private/var/mobile/Library/Caches/com.apple.mobilesafari/Cache.db /private/var/mobile/Library/WebKit/LocalStorage/	Users can bookmark favorite websites; stores recently downloaded and cached data in a database
Photo metadata	/private/var/mobile/Media/PhotoData/Photos.sqlite	Photos in the device's photo album
Consolidated GPS cache	/private/var/root/Caches/locationd/consolidated.db	Geolocation history of cell towers and Wi-Fi
Voicemail	/private/var/mobile/Library/Voicemail/voicemail.db /private/var/mobile/Library/Voicemail	Metadata about each voicemail stored (sender's phone number, callback number, timestamp, and message duration, etc.)

Property Lists (PLISTS)

HomeDomain plist files		
	/private/var/mobile/Library/Preferences/com.apple.mobilephone.plist	This contains the last phone number entered into the keypad regardless of whether it was dialed or not
	/private/var/mobile/Library/Preferences/com.apple.mobilephone.s peeddial.plist	This contains a list of the contacts that were added to the phone's favorites list
	/private/var/mobile/Library/Preferences/com.apple.AppSupport.pl ist	This contains the country code that was used for the App Store on the device
	/private/var/mobile/Library/Preferences/com.apple.Maps.plist	This contains the last latitude, longitude, and address pinned in the Maps application
	/private/var/mobile/Library/Preferences/com.apple.mobiletimer.p list	This contains a list of world clocks used
	/private/var/mobile/Library/Preferences/com.apple.Preferences.p list	This contains the keyboard language that was last used on the device
	/private/var/mobile/Library/Preferences/com.apple.springboard.p list	This contains a list of applications that are shown in the interface and iOS version
	/private/var/mobile/Library/Preferences/com.apple.mobiletimer.p list	This contains information about the current time zone, timers, alarms, and stopwatches
	/private/var/mobile/Library/Preferences/com.apple.weather.plist	This contains the cities for weather

		reports, date, and time of the last update
	/private/var/mobile/Library/Preferences/com.apple.preferences.n etwork.plist	This contains the status of Bluetooth and Wi-Fi networks
	/private/var/mobile/Library/Preferences/com.apple.locationd.pli st	This contains a list of application identifiers that use the location service on the device
	/private/var/mobile/Library/Preferences/com.apple.assistant.bac kedup.plist	This will help an examiner to determine whether cloud synchronization is enabled or not
	/private/var/mobile/Library/Preferences/com.apple.commcenter.s hared.plist	This contains the owner's phone number
	/private/var/mobile/Library/Preferences/com.apple.conference.pl ist	This contains the owner's email address
	/private/var/mobile/Library/Preferences/com.apple.facetime.plis t	This contains the last FaceTime number
	/private/var/mobile/Library/Preferences/com.apple.icloud.findmy deviced.FMIPAccounts.plist	This contains the history of iOS versions used on the device; if the device is restored from a backup, this may include items from the device the backup was originally created from
	/private/var/mobile/Library/Preferences/com.apple.identityservi ces.idstatuscache.plist	This contains the list of cached phone numbers
	/private/var/mobile/Library/Preferences/com.apple.WebSheet.plis t	This contains the SSID of the last wireless network the device was connected to
	/private/var/mobile/Library/Preferences/com.apple.youtube.dp.pl ist	This contains the last YouTube search

		term and the ID of the last video watched
	/private/var/mobile/Library/Safari/History.plist	This contains the web-browsing history of Safari
	/private/var/mobile/Library/Safari/SuspendState.plist	This contains the web page title and the URL of all suspended web pages on Safari

The RootDomain plist files

	/private/var/root/Library/Preferences/com.apple.preferences.network.plist	This contains information about whether airplane mode is presently enabled on the device
	/private/var/root/Library/Preferences/com.apple.MobileBackup.plist	This contains the timestamp of when the device was last restored from the backup, the device build version, and the backup build version
	/private/var/root/Library/Caches/locationd/clients.plist	This contains the location settings for applications and system services

WirelessDomain plist files

	/private/wireless/Library/Preferences/com.apple.commcenter.plist	

SystemPreferencesDomain plist files

	/private/var/preferences/SystemConfiguration/com.apple.network.identification.plist	contains networking information of the cached IP
	/private/var/preferences/SystemConfiguration/com.apple.wifi.plist	list of previously known Wi-Fi networks and the last time each one was connected to

Other Important File Artifacts

Cookies	/private/var/mobile/Library/Cookies/Cookies.binarycookies	Location of where cookies are saved
Keyboard cache	/private/var/mobile/Library/Keyboard/dynamic-text.dat	Location where keyboard cache is captured and saved
Photos	/private/var/mobile/Camera Roll/Media/DCIM	Location where photos are stored
Thumbnails	/private/var/mobile/Camera Roll/Media/PhotoData/Thumbnails	Location where other photos are stored
Wallpaper	/private/var/mobile/Library/SpringBoard/LockBackgroundThumbnail.jpg	Location where current background wallpaper set for the iOS device can be recovered
Recordings	/private/var/mobile/Media/Recordings	Location of where recorded voice memos are stored
Third-party applications	/private/var/mobile/App	Location of where third-party downloaded applications from

		the App Store are

Apple Watch

	/Library/DeviceRegistry/	
	/Library/DeviceRegistry.state/properties.bin	

Other Helpful Resources and Tools

Cookies parser
Binary Cookie Reader
 https://gist.github.com/sh1n0b1/4bb8b737370bfe5f5ab8

Recovering deleted SQL files
https://github.com/mdegrazia/SQLite-Deleted-Records-Parser

 Photos
ExifTool
https://sno.phy.queensu.ca/~phil/exiftool/

Thumbnails
http://www.ithmconverter.com/en/download/

Deleted SQL files
SQLite Deleted Record Recovery
https://github.com/mdegrazia/SQlite-Deleted-Records-Parser

Script
$python sqliteparse.py -f notes.sqlitedb -r -o output.txt
$strings notes.db
(command ensures that nothing is missed)

Undark
./undark -i sms.db > sms_database.csv