Plist

```
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # file cat userInfo.plist
Downloading /var/mobile/Containers/Data/Application/C2E14680-8620-43DA-9B14-65D6D0B55760/Documents/userInfo.plist to /var/folders/kv/ctb1fy6572x9fxk1c7kl9ft00000gn/T/tmpjk7197ob.file
Streaming file from device...
Writing bytes to destination...
Successfully downloaded /var/mobile/Containers/Data/Application/C2E14680-8620-43DA-9B14-65D6D0B55760/Documents/userInfo.plist to /var/folders/kv/ctb1fy6572x9fxk1c7kl9ft00000gn/T/tmpjk7197ob.file
====
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
        <key>password</key>
        <string>lol123</string>
        <key>username</key>
        <string>hey123</string>
</dict>
</plist>
```

Nsuserdefaults

```
    DemoValue = lol123userdefaults;
    INNextFreshmintRefreshDateKey = "714578246.16363";
    INNextHearbeatDate = "714829776.581751";
    NSAllowsDefaultLineBreakStrategy = 1;
    NSInterfaceStyle = macintosh;
    NSLanguages =     (
        "en-SG",
        en
    );
    PKKeychainVersionKey = 4;
    WebDatabaseDirectory = "/var/mobile/Containers/Data/Application/C2E14680-8620-43DA-9B14-65D6D0B55760/Library/Caches";
    WebKitLocalStorageDatabasePathPreferenceKey = "/var/mobile/Containers/Data/Application/C2E14680-8620-43DA-9B14-65D6D0B55760/Library/Caches";
    WebKitOfflineWebApplicationCacheEnabled = 1;
    WebKitShrinksStandaloneImagesToFit = 1;
    "com.apple.content-rating.AppRating" = 1000;
    "com.apple.content-rating.ExplicitBooksAllowed" = 1;
    "com.apple.content-rating.ExplicitMusicPodcastsAllowed" = 0;
    "com.apple.content-rating.MovieRating" = 1000;
    "com.apple.content-rating.TVShowRating" = 1000;
    loggedIn = 1;
}
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # ios nsuserdefaults get
```

Keychain

```
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # ios keychain dump
Note: You may be asked to authenticate using the devices passcode or TouchID
Save the output by adding `--json keychain.json` to this command
Dumping the iOS keychain...
Created                  Accessible             ACL   Type      Account                    Service                                                  Data
-----------------------  ---------------------  ----  --------  -------------------------  -------------------------------------------------------  ------------------------------------
2023-02-14 08:56:53 +0000  WhenUnlocked           None  Password  FlurryAPIKey               com.highaltitudehacks.DVIAswiftv2com.flurry.analytics
2023-02-14 08:56:53 +0000  WhenUnlocked           None  Password  FlurrySessionTimestampKey  com.highaltitudehacks.DVIAswiftv2com.flurry.analytics
2023-02-14 08:56:53 +0000  AlwaysThisDeviceOnly   None  Password  FlurrySessionInstallIDKey  com.highaltitudehacks.DVIAswiftv2com.flurry.analytics  8C1F9C7F-E637-44CA-88F5-DB789821ACBB
2023-08-26 02:41:08 +0000  WhenUnlocked           None  Password  keychainValue              com.highaltitudehacks.DVIAswiftv2                      ioskeychaintest
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] #
```

Core data

https://book.hacktricks.xyz/mobile-pentesting/ios-pentesting

Core Data

`Core Data` is a framework for managing the model layer of objects in your application. Core Data can use SQLite as its persistent store, but the framework itself is not a database.
CoreData does not encrypt it's data by default. However, an additional encryption layer can be added to CoreData. See the GitHub Repo for more details.

You can find the SQLite Core Data information of an application in the path `/private /var/mobile/Containers/Data/Application/{APPID}/Library/Application Support`

If you can open the SQLite and access sensitive information, then you found a miss-configuration.

```
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # ls
NSFileType  Perms  NSFileProtection                     Read  Write  Owner         Group         Size      Creation                  Name
----------  -----  ----------------------------------  ----  -----  ------------  ------------  --------  ------------------------  ---------------
Directory     493  n/a                                 True  True   mobile (501)  mobile (501)  448.0 B   2023-02-14 16:56:00 +0000  FlurryFiles
Regular       420  CompleteUntilFirstUserAuthentication  True  True   mobile (501)  mobile (501)  8.1 KiB   2023-08-26 02:42:23 +0000  Model.sqlite-wal
Regular       420  None                                True  True   mobile (501)  mobile (501)  32.0 KiB  2023-08-26 02:42:23 +0000  Model.sqlite-shm
Regular       420  CompleteUntilFirstUserAuthentication  True  True   mobile (501)  mobile (501)  24.0 KiB  2023-08-26 02:42:23 +0000  Model.sqlite

Readable: True  Writable: True
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # pwd
Current directory: /var/mobile/Containers/Data/Application/C2E14680-8620-43DA-9B14-65D6D0B55760/Library/Application Support
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] #
```

```
SQLite @ Model.sqlite > select * from `ZUSER`;
+------+--------+--------+----------------+---------+------------+---------+
| Z_PK | Z_ENT | Z_OPT | ZEMAIL         | ZNAME   | ZPASSWORD | ZPHONE |
+------+--------+--------+----------------+---------+------------+---------+
| 1    | 1      | 1      | test@nail.com | test123 | password   | 123456 |
+------+--------+--------+----------------+---------+------------+---------+
1 row in set
Time: 0.006s
SQLite @ Model.sqlite >
```

Webkit

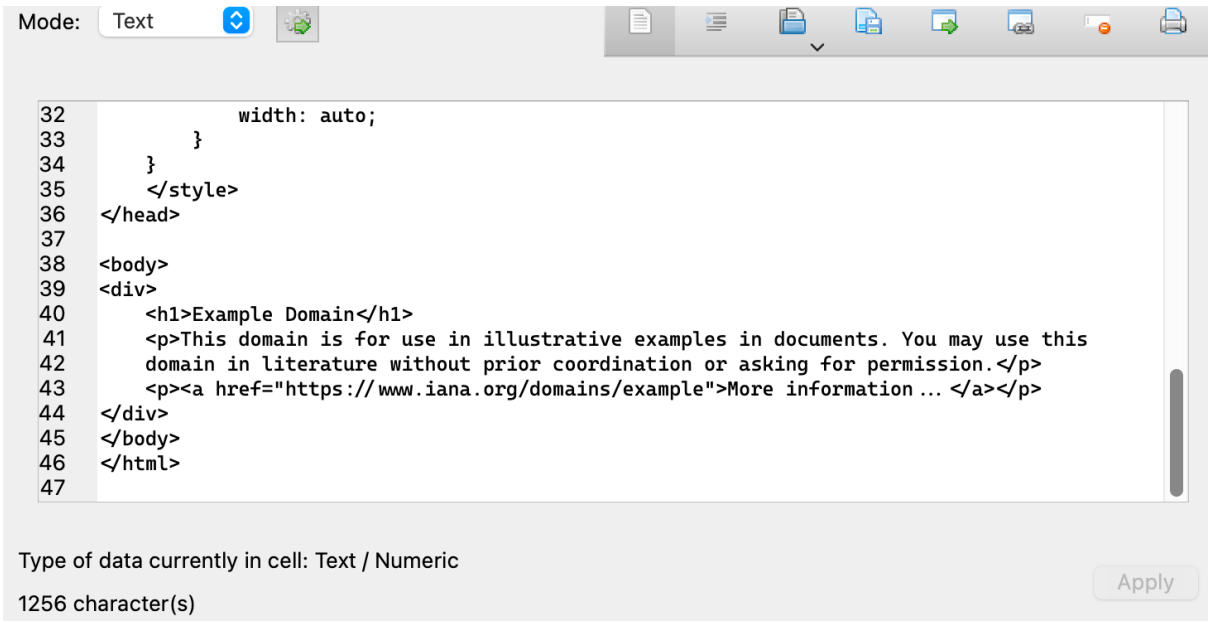
```
Current directory: /var/mobile/Containers/Data/Application/C2E14680-8620-43DA-9B14-65D6D0B55760/Library/Caches/com.highaltitudehacks.DVIAswiftv2
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] # ls
NSFileType  Perms  NSFileProtection                     Read  Write  Owner         Group         Size      Creation                  Name
----------  -----  ----------------------------------  ----  -----  ------------  ------------  --------  ------------------------  ---------------
Directory     493  CompleteUntilFirstUserAuthentication  True  True   mobile (501)  mobile (501)  192.0 B   2023-03-01 14:01:54 +0000  com.apple.metal
Regular       420  CompleteUntilFirstUserAuthentication  True  True   mobile (501)  mobile (501)  52.0 KiB  2023-02-14 16:56:00 +0000  Cache.db
Regular       420  CompleteUntilFirstUserAuthentication  True  True   mobile (501)  mobile (501)  0.0 B     2023-02-14 16:56:00 +0000  Cache.db-wal
Regular       420  CompleteUntilFirstUserAuthentication  True  True   mobile (501)  mobile (501)  32.0 KiB  2023-02-14 16:56:00 +0000  Cache.db-shm

Readable: True  Writable: True
....highaltitudehacks.DVIAswiftv2 on (iPhone: 12.5.6) [usb] #
```

Table: cfurl_cache_response

	entry_ID	version	hash_value	storage_policy	request_key	time_stamp	partition
	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	1	0	9167921985616649203	0	http://example.com/	2023-03-01 16:22:30	NULL
2	2	0	-130858905	0	https://example.com/	2023-03-01 16:23:02	NULL

Table: cfurl_cache_receiver_data

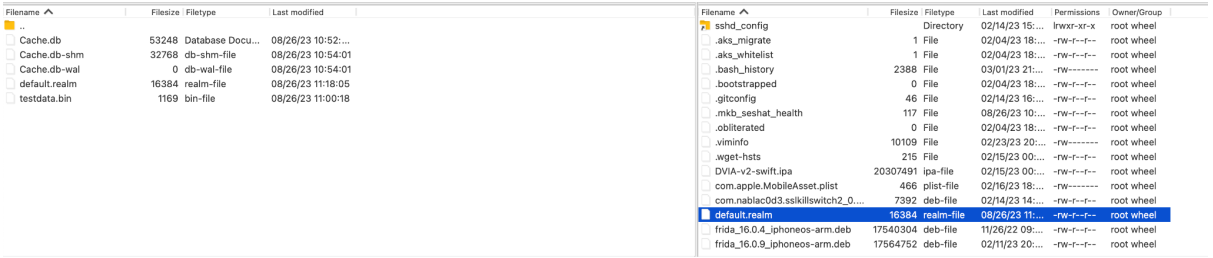
	entry_ID	isDataOnFS	receiver_data
	Filter	Filter	Filter
1	1	0	<!doctype html>…
2	2	0	<!doctype html>…



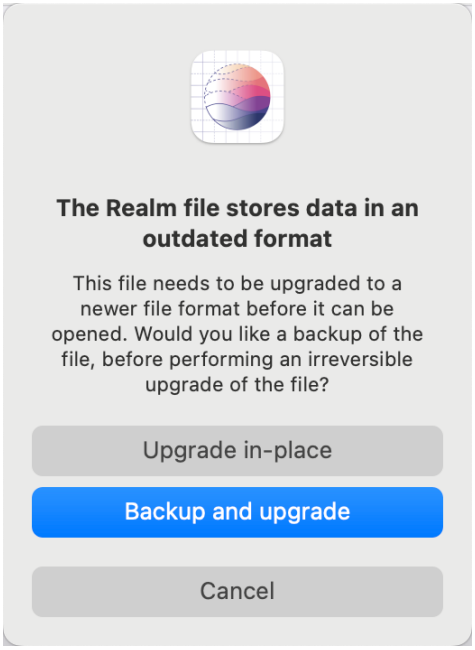
Realm

Copy to root folder

Download via filezilla



No option to view it on legacy format



Empty strings