

# Hacking Storage on Android

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Android is emerging as one of the leading operating systems for the Smartphones and tablets with nearly 35% of the market share in smart phones. Local storage in applications has been one of the biggest threat to mobile devices. The paper contains a list of important locations to look for while pentesting to test local storage for android applications.

## System Information

| Detail   | Location  |
|--|---|
| Applications   | /data/data/(package name)                         |
| Etc  | /system/etc/                                      |
| Provisioning Profile   | /system/etc/security/cacerts.bks                  |
| Wifi Settings  | /system/etc/wifi                                  |
| GPS configuration file   | /system/etc/gps.conf<br>/system/etc/gpsconfig.xml |
| Host file (DNS entries)  | /system/etc/hosts                                 |
| Device information, Firmware Information, Manufacturer information | /system/build.prop                                |
| Framework files  | /system/framework                                 |
| Bin directory  | /system/bin                                       |
| Apk files of installed applications                                | /system/app                                       |
| Tmp  | /private/var/tmp                                  |

## Default Application Information

| Detail          | Location  |
|-----------------|---|
| Address Book    | /data/data/com.android.providers.contacts/databases/contacts2.db      |
| User Dictionary | /data/data/com.android.providers.userdictionary/databases/user_dict.d |

|                                |   |
|--------------------------------|---|
|                                | b   |
| Google Map History Information | /data/data/com.google.android.apps.maps/databases/search_history.db |
| Calendar                       | /data/data/com.android.providers.calendar/databases                 |
| Photos                         | /sdcard/dcim/Camera   |

## Default services Information

| Detail  | Location   |
|---|--|
| SMS (Odd number is for Outgoing calls, Even number is for Incoming calls) | /data/data/com.android.providers.telephony/databases/mmssms.db |
| System provided applications, ringtones and wallpapers                    | /system/media  |

## User Installed Application information

| Detail  | Location                               |
|---|--|
| Application permissions, Certificate, Package Name  | /data/system/packages.xml              |
| Installed Applications                              | /data/data/                            |
| Application Directory                               | /data/data/(package name)              |
| Applications documents i.e. images, PDF, text files | /data/data/(package name)/files        |
| Application Preferences                             | /data/data/(package name)/shared_prefs |
| Application temporary storage                       | /data/data/(package name)/files        |



## Browser Information

| Detail                            | Location                                     |
|-----------------------------------|--|
| Browser Cookie                    | /data/data/com.android.browser/webview.db    |
| Browser favorites<br>(Book marks) | /data/data/com.android.browser/browser.db    |
| Browser History                   | /data/data/com.android.browser/history.db    |
| Browser Settings                  | /data/data/com.android.browser/shared_prefs  |
| Browser Cache                     | /data/data/com.android.browser/app_databases |