

Android Debug Bridge Cheat Sheet

Selecting a device

`adb devices` List of devices
by serial number.

`adb devices -l` List of devices
by product/model.

`adb -s <serial> ...` Command line selection.

`export ANDROID_SERIAL=<serial>` Env. variable selection.

If a command starts with \$ it has to be run from the Android shell or via `adb shell <command>`, or even better

`adb shell <command> | less`

Package installation

`adb install <apk>` Installs app.

`$ pm install <path>` Install app from phone path.

`$ pm install -r <path>` Reinstall app from phone path.

`$ pm uninstall <name>` Remove the app.

`$ pm get-install-location` Install location:

- 0 - Auto
- 1 - Internal
- 2 - External

Package info

`$ pm list packages` List package names.

`$ pm list packages -f` As above + path to apks.

`$ pm list packages -3` Only third party packages.

`$ pm list packages -s` Only system packages.

`$ pm list packages -u` Also uninstalled packages.

File operations

`adb push <local> <remote>` Copy file/dir to device.

`adb pull <remote> [<local>]` Copy file/dir from device.

`adb backup -f <file> [<packages...>]`
Backup the phone.

If you want to access the private package files just use

`run-as <package> cat <file>`.

Paths

<code>/data/data/<package></code>	App data, as described below.
<code>databases/</code>	App databases.
<code>shared_prefs/</code>	Shared preferences.
<code>/data/app</code>	APK files installed by user.
<code>/system/app</code>	Pre-installed APK files.
<code>/mnt/asec</code>	Encrypted apps (App2SD).
<code>/mnt/emmc</code>	Internal SD Card.
<code>/mnt/sdcard</code>	External/Internal SD Card.
<code>/mnt/sdcard/external-sd</code>	External SD Card.

Phone info

`$ sqlite3 /data/data/`
`com.android.providers.settings/`
`databases/settings.db .dump`
Dump phone settings.

`$ getprop` Get properties (e.g. model).

`$ dumpsys iphonesubinfo` Get the IMEI.

`adb get-serialno` Get the serial number.

`$ dumpsys battery` Battery status.

`$ pm list users` Lists phone users (4.1+).

`$ pm list features` List phone features.

Services & activities

`$ service list` List all services.

`$ dumpsys activity <package>/<activity>`

Common actions

To open the URL:

`$ am start -a android.intent.ac`

Logs

All logs are accessed by using either

`$ logcat [options] [filter] [fi`
or
`adb logcat [options] [filter] [`

Useful options are:

`-d` Only dump log

`-c` Flush the buffer

`-b <buffer>` Buffer to display

`<tag>[:priority]` filterspec at

Available priorities are:

V Verbose

D Debug

I Info

W Warn

E Error

F Fatal

S Silent (suppress all output)

Other useful log information:

`$ dumpstate` Dump current phone

`$ dumpsys` Dump all system data

Miscellaneous

`$ screencap -p <path>.png` Screenshot

`$ screenrecord <path>.mp4` Screen recording

ADB daemon