\mathcal{A} ndroid \mathcal{D} ebug \mathcal{B} ridge Cheat Sheet

Selecting a device

adb devices
by serial number.

adb devices -1
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></apk>	Installs app.
<pre>\$ pm install <path></path></pre>	Install app from phone path.
<pre>\$ pm install -r <path></path></pre>	Reinstall app from phone path
<pre>\$ pm uninstall <name></name></pre>	Remove the app.
<pre>\$ pm get-install-location</pre>	Install location:
	0 - Auto
	1 - Internal
	2 - External

Package info

<pre>\$ pm list</pre>	packages	List package names.
<pre>\$ pm list</pre>	packages -f	As above $+$ path to apks.
<pre>\$ pm list</pre>	packages -3	Only third party packages.
<pre>\$ pm list</pre>	packages -s	Only system packages.
<pre>\$ pm list</pre>	packages -u	Also uninstalled packages.
<pre>\$ dumpsys</pre>	package packages	List info on all apps.
\$ pm dump	<name></name>	List info on one package.
\$ pm path	<package></package>	Path to the apk file.

Permissions

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

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

External SD Card.

Phone info

/mnt/sdcard/external_sd

h. \$ 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.

Activity Manager usage:

\$ am start|startservice|broadcast <INTENT>

[<COMPONENT>]

where ${\tt <INTENT>}$ is specified with following options:

-a <ACTION> $\rm e.g.\ and roid.intent.action.VIEW$

-c <CATEGORY> e.g. android.intent.category.LAUNCHER

Common actions

To open the URL:

\$ am start -a android.intent.action.VIEW -d URL
To launch camera:

\$ am start -a android.media.action.IMAGE_CAPTURE

Logs

All logs are accessed by using either \$ logcat [options] [filter] [filter] ...

or

adb logcat [options] [filter] [filter] ...

Useful options are:

-d Only dump logs (do not block).

-c Flush the buffers.

-b <buffer> Buffer to display (default: system, main). <tag>[:priority] filter spec at the end of command.

Available priorities are:

V Verbose

D Debug

I Info

W Warn

E Error

F Fatal

S Silent (suppress all output)

Other useful log information:

\$ dumpsys Dump all system data.

Miscellaneous

ADB daemon

adbd runs on TCP/5037.

adb kill-server Kill the server if it is running.

adb start-server Ensure that there is a server running.

Restarts the adbd with root permissions.

v 0.2 by @maldr0id

based on \LaTeX cheat sheet by Winston Chang

http://www.stdout.org/~winston/latex/