\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> ...

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 pat
<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

\$ pm list	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

/data/data/<package>

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.

App data, as described below.

If you want to access the private package files just use run-as <package> cat <file>.

Paths

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 /mnt/sdcard/external_sd External SD Card.

Phone info

th. \$ sqlite3 /data/data/ com.android.providers.settings/ databases/settings.db .dump Dump phone settings. \$ getprop Get properties (e.g. model). Get the IMEL \$ dumpsys iphonesubinfo adb get-serialno Get the serial number. \$ dumpsys battery Battery status. Lists phone users (4.1+). \$ pm list users \$ pm list features List phone features.

Services & activities

Activity Manager usage:

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

Common actions

To open the URL:

\$ am start -a android.intent.action.VIEW -d URL

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 VerboseD DebugI InfoW Warn

E Error F Fatal

S Silent (suppress all output)

Other useful log information:

\$ dumpstate Dump current phone state. \$ dumpsys Dump all system data.

Miscellaneous

ADB daemon

adbd runs on TCP/5037.

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

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/