

## ADB Basics

COMMAND	EXPLANATION
<code>adb devices</code>	lists connected devices
<code>adb root</code>	restarts adb with root permissions
<code>adb start-server</code>	starts the adb server
<code>adb kill-server</code>	kills the adb server
<code>adb reboot</code>	reboots the device
<code>adb devices -l</code>	list of devices by product/model
<code>adb shell</code>	starts the background terminal
<code>exit</code>	exits the background terminal
<code>adb help</code>	list all commands
<code>adb -s &lt;deviceName&gt; &lt;command&gt;</code>	redirect command to specific device
<code>adb -d &lt;command&gt;</code>	directs command to only attached USB device
<code>adb -e &lt;command&gt;</code>	directs command to only attached emulator

## Paths

COMMAND	EXPLANATION
<code>/data/data/&lt;package&gt;/databases</code>	app databases
<code>/data/data/&lt;package&gt;/shared_prefs/</code>	shared preferences
<code>/data/app</code>	apk 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/adcard</code>	external/Internal SD Card
<code>/mnt/adcard/external_sd</code>	external SD Card

## Path Commands

COMMAND	EXPLANATION
<code>adb shell ls</code>	list directory contents
<code>adb shell ls -s</code>	print size of each file
<code>adb shell ls -R</code>	list subdirectories recursively

## Table

COMMAND	EXPLANATION
<code>adb shell list packages</code>	list package names
<code>adb shell list packages -r</code>	list package name + path to apks
<code>adb shell list packages -3</code>	list third party package names
<code>adb shell list packages -s</code>	list only system packages
<code>adb shell list packages -u</code>	list package names + uninstalled
<code>adb shell dumpsys package packages</code>	list info on all apps
<code>adb shell dump &lt;name&gt;</code>	list info on one package
<code>adb shell path &lt;package&gt;</code>	path to the apk file

## Device Related Commands

COMMAND	EXPLANATION
<code>adb reboot-recovery</code>	reboot device into recovery mode
<code>adb reboot fastboot</code>	reboot device into recovery mode
<code>adb shell screencap -p "/path/to/screenshot.png"</code>	capture screenshot
<code>adb shell screenrecord "/path/to/record.mp4"</code>	record device screen
<code>adb backup -apk -all -f backup.ab</code>	backup settings and apps
<code>adb backup -apk -shared -all -f backup.ab</code>	backup settings, apps and shared storage
<code>adb backup -apk -nosystem -all -f backup.ab</code>	backup only non-system apps
<code>adb restore backup.ab</code>	restore a previous backup
<code>adb shell am start [startservice broadcast &lt;INTENT&gt; [&lt;COMPONENT&gt;] -a &lt;ACTION&gt; e.g. android.intent.action.VIEW -c &lt;CATEGORY&gt; e.g. android.intent.category.LAUNCHER</code>	start activity intent
<code>adb shell am start -a android.intent.action.VIEW -d URL</code>	open URL
<code>adb shell am start -t image/* -a android.intent.action.VIEW</code>	opens gallery

## Package Installation

COMMAND	EXPLANATION
<code>adb shell install &lt;apk&gt;</code>	install app
<code>adb shell install &lt;path&gt;</code>	install app from phone path
<code>adb shell install -r &lt;path&gt;</code>	install app from phone path
<code>adb shell uninstall &lt;name&gt;</code>	remove the app

## File Operations

LOCATOR	EXPLANATION
<code>adb push &lt;local&gt; &lt;remote&gt;</code>	copy file/dir to device
<code>adb pull &lt;remote&gt; &lt;local&gt;</code>	copy file/dir from device
<code>run-as &lt;package&gt; cat &lt;file&gt;</code>	access the private package files

## Phone Info

COMMAND	EXPLANATION
<code>adb get-state</code>	print device state
<code>adb get-serialno</code>	get the serial number
<code>adb shell dumpsys iphonesybinfno</code>	get the IMEI
<code>adb shell netstat</code>	list TCP connectivity
<code>adb shell pwd</code>	print current working directory
<code>adb shell dumpsys battery</code>	battery status
<code>adb shell pm list features</code>	list phone features
<code>adb shell service list</code>	list all services
<code>adb shell dumpsys activity &lt;package&gt;/&lt;activity&gt;</code>	activity info
<code>adb shell ps</code>	print process status
<code>adb shell wm size</code>	displays the current screen resolution
<code>dumpsys window windows   grep -E 'mCurrentFocus mFocusedApp'</code>	print current app's opened activity

## Configure Settings Commands

COMMAND	EXPLANATION
<code>adb shell dumpsys battery set level &lt;n&gt;</code>	change the level from 0 to 100
<code>adb shell dumpsys battery set status &lt;n&gt;</code>	change the level to unknown, charging, discharging, not charging or full
<code>adb shell dumpsys battery reset</code>	reset the battery
<code>adb shell dumpsys battery set usb &lt;n&gt;</code>	change the status of USB connection ON or OFF
<code>adb shell wm size WxH</code>	sets the resolution to WxH

## Logs

COMMAND	EXPLANATION
<code>adb logcat [options] [filter]</code>	view device log
<code>adb bugreport</code>	print bug reports

## Permissions

COMMAND	EXPLANATION
<code>adb shell permissions groups</code>	list permission groups definitions
<code>adb shell list permissions -g -r</code>	list permissions details