

# ADB (Android Debug Bridge)

## ADB COMMANDS:

- **adb devices**

This command shows total of devices connected.

- **adb shell**

This command enters into the shell of the current device.

```
C:\Windows\System32\cmd.exe
C:\Users\phan1\OneDrive\Desktop\platform-tools>adb devices
List of devices attached
998403147481RCKK    device

C:\Users\phan1\OneDrive\Desktop\platform-tools>adb shell
998403147481RCKK:/ $ ls
acct      data      init.environ.rc  my_company  my_region  sdcard
apex      data_mirror  init.environ.rc.patch  my_custom  my_stock   storage
bin       debug_ramdisk  linkerconfig    my_engineering  my_version  sys
bugreports  default.prop  lost+found      my_hyeyap   odm        system
cache     dev          metadata        my_manifest  oem        system_ext
config    etc          mnt             my_preload  proc       vendor
d         init        my_carrier      my_product  product

998403147481RCKK:/sdcard $ ls
Alarm  DCIM  Hik-Connect  Music  Pictures  Wnky  ezplayer_debug  snapshot
Android  Documents  Lark  NetSOK  Podcasts  bytedance  g_C900_XU_log  wamp4
Audiobooks  Download  Movies  Notifications  Ringtones  dualspace  log
```

- **adb shell logcat -c -v threadtime > logs1.txt**
- **adb shell logcat -v threadtime > logs1.txt**

The above two commands used to create a log file of the device connected. It contains all the logs with timestamps.

```
C:\Users\phan1\OneDrive\Desktop\platform-tools>adb shell logcat -c -v threadtime > logs.txt
C:\Users\phan1\OneDrive\Desktop\platform-tools>adb shell logcat -v threadtime > logs.txt
logcat: Unexpected EOF!
```

## Kernal Logs

- **adb shell cat /proc/kmsg**
- **adb shell cat /dev/kmsg**

## Push and Pull using ADB

### Pull

- **adb pull sdcard/DCIM/Camera/IMG20210816205752.jpg**

Above command pulls the image(from Specified Path) from the device to PC.

### Push

- **adb push logs1.txt /sdcard/Documents/**

This is quite opposite to the pull command. It pushes the file(from Specified Path) from PC to the device connected.

```
09G083111:/sdcard/DCIM/Camera $ exit
C:\Users\phani\OneDrive\Desktop\platform-tools>adb pull sdcard/DCIM/Camera/IMG20210816205752.jpg
sdcard/DCIM/Camera/IMG20210816205752.jpg: 1 file pulled. 33.0 MB/s (4417068 bytes in 0.128s)
C:\Users\phani\OneDrive\Desktop\platform-tools>adb push logs1.txt /sdcard/Documents/
logs1.txt: 1 file pushed. 4.9 MB/s (577612 bytes in 0.113s)
```

## List Packages

- adb shell "pm list packages"

The above command displays all the packages installed in the device.

```
C:\Users\phani\OneDrive\Desktop\platform-tools>adb shell "pm list packages"
package:com.coloros.backuprestore
package:com.google.android.networkstack.tethering
package:com.mediatek.gba
package:com.mediatek.ims
package:com.android.cts.priv.ctsshim
package:com.realme.lint
package:com.google.android.youtube
package:com.coloros.apprecovery
package:com.google.android.ext.services
package:com.oppo.oppopowermonitor
package:com.android.providers.telephony
package:com.android.dynsystem
package:com.coloros.wirelesssettings
package:com.truecaller
package:com.oplus.crashbox
package:com.android.theme.icon.pebble
package:com.google.android.googlequicksearchbox
package:com.heyta.pictorial
package:com.google.android.cellbroadcastservice
package:com.coloros.smartsidebar
package:com.android.providers.calendar
package:com.google.android.apps.googleassistant
package:com.google.android.permissioncontroller.overlay.oppo
package:com.mediatek.telephony
package:com.android.providers.media
package:com.coloros.karaoke
package:com.android.networkstack.tethering.overlay
package:com.google.android.onetimeinitializer
package:com.google.android.ext.shared
package:com.heyta.cloud
package:com.android.internal.systemui.navbar.gestural_wide_back
package:com.mediatek.location.lppe.main
package:com.heyta.music
package:com.android.wallpapercropper
package:com.android.wifi.resources.overlay.oplus
package:com.android.theme.icon.vessel
package:com.android.theme.color.cinnamon
package:com.mediatek.SettingsProviderResOverlay
package:com.mediatek.systemuiresoverlay
package:com.coloros.gamespace
package:com.android.theme.icon_pack.rounded.systemui
package:com.oppoex afterservice
package:com.oplus.onetrace
package:com.android.networkstack.tethering.inprocess.overlay
package:com.android.theme.icon.taperedrect
package:com.myairetelapp
package:com.oppo.operationManual
```

## Find packages of a specific app

- adb shell "pm list packages -f file"

The above commands display the corresponding files related to the 'file'.

```
C:\Users\phani\OneDrive\Desktop\platform-tools>adb shell "pm list packages -f file"
package:/data/app/~m11iG0jM4zVbMwtVMahSKA==/com.google.android.apps.nbu.files-DcApnf8yauFPJNRcIXGXTw==/base.apk=com.google.android.apps.nbu.files
package:/my_stock/app/FileManager/FileManager.apk=com.coloros.filemanager
```

## Install an App

- **adb install com.saadderaiya.MS\_Paint\_2018-08-16.apk**

The above command installs all the packages related to the application in the device.

```
C:\Users\phani\OneDrive\Desktop\platform-tools>
C:\Users\phani\OneDrive\Desktop\platform-tools>adb install com.saadderaiya.MS_Paint_2018-08-16.apk
Success
```

## Uninstall an App

- **adb uninstall com.saadderaiya.MS\_Paint**

The above command uninstalls all the packages related to the application in the device.

```
C:\Users\phani\OneDrive\Desktop\platform-tools>adb shell "pm list packages -f MS_Paint"
package:/data/app/---16_2H5f1u-00-E0m71o0w==/com.saadderaiya.MS_Paint-2bF5g1E2uK1CPBN2Cpw0vg==/base.apk=com.saadderaiya.MS_Paint
C:\Users\phani\OneDrive\Desktop\platform-tools>adb uninstall com.saadderaiya.MS_Paint
Success
```

## ADB Version

- **adb version**

The above command displays the current version of the adb.

```
C:\Users\phani\OneDrive\Desktop\platform-tools>adb version
Android Debug Bridge version 1.0.40
Version 4386621
Installed as C:\Users\phani\OneDrive\Desktop\platform-tools\adb.exe
```

Regards,

Phaneendhra