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get launchable activity name of package from adb

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Is there a way to get the launchable activity for a package from using adb ? For an unroot phone (i.e. **without having the pull the apk from /data/app directory and inspect with appt**).

I tried dumpsys, but it does not include information on default launchable activity.

Thanks

 [android](#) [adb](#)

edited Feb 2 '18 at 12:24



[Prags](#)

2,069 2 15 31

asked Oct 2 '12 at 21:43



[fruitJuice](#)

580 2 7 18

7 Answers

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files from
/data/app . Sure,
you might not have
permissions to list
the contents of that
directory, but you
can find the file
locations of APKs
with:

```
adb shell pm list
```

Then you can use
adb pull :

```
adb pull <APK path>
```

and then aapt to
get the information
you want:

```
aapt dump badging
```

edited Aug 22 '13 at 20:33

answered Oct 2 '12 at 23:48




kabuko


32.7k 7 67 88

12 and aapt usage
can be found
here on
StackOverflow:
[stackoverflow.co
m/a/7502519/26
510](http://stackoverflow.com/a/7502519/26510) –
[Brad Parks](#) Jul
5 '13 at 21:09

3 1, Do as kabuko
said 2, adb pull
/data/app/<THE
APK.apk>
~/<Where ever
you wanted it to
be> 3, aapt
dump badging
<THE APK.apk>
Thats it – [Oxi](#)
Aug 8 '13 at
13:41

usage to the
answer as well
as it seems to
be useful for a
lot of people. –
[kabuko](#) Aug 22
'13 at 20:33 

- 1 @Vera No. It's a
tool in ADT for
all platforms.
Make sure you
have the build
tools installed
and look under
the build-tools
folder. It should
be under
another
subfolder
corresponding
to your SDK. –
[kabuko](#) Aug 8
'14 at 23:22

- 2 I needed "aapt
dump xmltree
HiddenMenuLig
ht.apk
AndroidManifest
.xml" – [bobpaul](#)
Feb 24 '16 at
21:58 



\$ adb shell pm du

43


answered Mar 28 '16 at 3:54



[frierderbluemle](#)

10.6k 5 55 74

- 1 This worked on
N6 7.0 - thank
you. – [Kristopher](#)
Dec 1 '16 at
17:19
- 3 \$ adb shell
pm dump
PACKAGE NAME I

12 There's probably a smarter way but I ain't no *NIX guru. – [Kristopher](#) Dec 1 '16 at 18:32 

3 pm dump dumps many unnecessary services. and pm itself is a java command so it takes some time to start. The relevant part of the output comes from PackageManager.Dump() anyway - so adb shell dumpsys package PACKAGE_NAME would be much more efficient for producing the same result. But there is even better way for Android 7.0+ see stackoverflow.com/a/41325792/1778421 – [Alex P.](#) Dec 26 '16 at 19:29

2 @Kristopher, the problem with both yours and @friederbluemle's filters is that there could be multiple resolvers for the android.intent.action.MAIN. The proper way is to find one of android.intent.category.LAUNCHER category first. Something like this would work

```
grep -B 10 category\.LAUNCHER | grep -o '[^ ]*/[^ ]*' | tail -n 1 -
```

command
'dump' -
m0skit0 Feb 16
'18 at 19:54

▲
15
▼ Since Android 7.0
you can use adb
shell cmd package
resolve-activity
command to get
the default activity
of an installed app
like this:

```
adb shell "cmd pa  
tail -n 1"  
com.google.android
```

answered Dec 26 '16 at 1:52



Alex P.

20.9k 13 72 123

▲
10
▼ *#!/bin/bash*
#file getActivity
package_name=\$1
#launch app by pa
adb shell monkey
sleep 1;
#get Activity nam
adb shell logcat
. /\1/g'*

sample:

```
getActivity.sh co  
com.tencent.mm/.u
```

answered Sep 9 '15 at 4:57



zfu

121 1 4

▲
9
▼ I didn't find it listed
so updating the list.
You need to have

phone for this solution:

Windows CMD line:

```
adb shell dumpsys
window windows |
findstr <any
unique string from
your pkg Name>
```

Linux Terminal:

```
adb shell dumpsys
window windows |
grep -i <any
unique string from
your Pkg Name>
```

OUTPUT for Calculator package would be:

Window #7 Window{.
com.android.calcu

mOwnerUid=1000
appop=NONE

mToken=AppWin
u0 com.android.ca

mRootToken=Ap
ActivityRecord{ee

mAppToken=Appl
ActivityRecord{ee

WindowStateAn.
com.android.calcu

mSurface=**Surface{I**

mCurrentFocus=W.
com.android.calcu

mFocusedApp=Appl
ActivityRecord{ee

Main part is, **First Line:**

```
Window #7
Window{39ced4b1 u0
com.android.calcul
```

First part of the output is package name:

```
com.android.calculator2
```

Second Part of output (which is after /) can be two things, in our case its:

```
com.android.calculator2.Calculator
```

1. <PKg name>.
<activity name> =
<com.android.calculator2>.
<Calculator>

so

**.Calculator
is our activity**

2. If second part is entirely different from Package name and doesn't seem to contain pkg name which was before / in out output, then entire second part can be used as main activity.

answered Apr 25 '16 at 8:24



[PradyJord](#)

1,859 8 15

Thanks it works for me –

[UserSharma](#)

Sep 28 '16 at 6:12

3

apps package
name and launcher
activity.

Step1: Start "adb
logcat" in command
prompt.

Step2: Open the
app (either in
emulator or real
device)



answered Feb 26 '15 at 9:31




[Rameshwar](#)

413 3 17

-
- 1 This only works if
the app has
already been
started at least
once on the
device. —
[sschuberth](#) Jul 6
'15 at 10:38

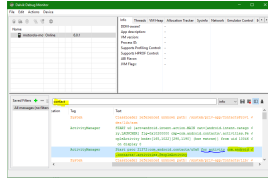
-
- 1 Found this to be
the easiest
solution, not sure
why the
downvotes. —
[Marcelo](#) Nov 30
'16 at 17:40

Very useful
comment.
Thanks. However
**adb logcat >
log.txt** is more
useful since there
is lots of info
dumped and hard
to find needed
data later. —
[Avraham Zhurba](#)
May 28 '18 at
17:19 

Best solution, just
ctrl+f activity and
you'll find what



You can also use ddms for logcat logs where just giving search of the app name you will all info but you have to select Info instead of verbose or other options. check this below image.



edited Jun 29 '16 at 11:47



Mark

5,642 1 24 48

answered Jun 29 '16 at 10:25



Pawan Rajen

19 1