Reduce Android Studio Project Size

Ask Question

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I want to reduce
Android Studio project
size to save it for after
use

In MS Visual Studio,
we can delete *.ipch,
*.sdf and Debug files
to reduce the project
size

I see
app/build/intermediate
s folder is really large,
can I delete this
folder?

Thanks in advance!

android

android-studio

asked Aug 9 '15 at 7:59
user5154523

Do you mean
reducing the size of
the project on your
hard drive or reduze
the size of the
outcome apk file? –
asco Aug 9 '15 at
8:10

@Ascorbin size of
the project, bro! –
user5154523 Aug 9
'15 at 8:33 ✏

4 Answers

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✓

Yes, you can safely delete the `intermediates` folder. You can even delete the whole `build` folder that contains `intermediates`. The `build` folder and it's contents will be re-generated the next time you run/build your project though.

answered Aug 9 '15 at 8:38

asco
11.9k　16　79　158

Now i can safely delete build folder! Thanks – user5154523 Oct 27 '15 at 5:56

That's fake *Steve Ballmer* you can't fool me. But __+1 for this answer. – Plain_Dude_Sleeping Dec 15 '16 at 12:21

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In Android Studio, go to the Terminal window. If you did not go to a different directory since you opened the IDE, you should find yourself on the top level of your project folder (something like ../Android Studio/projectname). There you simply type

```
./gradlew clean
```

That's it. I just reduced my project folder size from 589 MB to 21 MB.

answered Jul 28 '17 at 8:45

kalabalik
2,485   2   9   36

thanks a lot.. this command work great. project size reduced to 1:10 – DINITH RUKSHAN KI
Feb 26 '18 at 12:21

4

The file .gitignore containted in the project created by AndroidStudio lists all files / patterns not to be stored in the git repository, i.e. those files that are not required for building the project. Therefore, it should be safe to remove all files / directories matching the patterns listed in the .gitignore file.

In my projects it lists:

```
*.iml
.gradle
/local.properties
/.idea/workspace.xml
/.idea/libraries
.DS_Store
/build
/captures
.externalNativeBuild
```

answered May 30 '17 at 12:58

Meixner
472   2   8

Makes TOTAL

sense. It might not guarantee total cleanup, but rather maximum safe cleanup using filters. While not using automated routines might sound as a drawback, it is reassuring because user has total control of all performed acts. Will benchmark against other proposèd solutions. – tony gil Feb 25 '18 at 10:20

1

Please find the batch file I use to do that. Set the batch under the root of your project directories. Hoping it helps.

```
@rem   ###############
@rem
@rem   Export an ANDROID
@rem
@rem   ###############


echo off
CLS
echo _____
echo ANDROID-STUDIO fil
echo _____
echo
echo If directory name
echo - Surround name w:
echo _____
set /p dirname= Dir nam
if %dirname% == "" got
set str=%dirname%
mkdir c:\EXPORT\%str%
pause
xcopy %dirname% c:\EXP(
del c:\EXPORT\%str%\*.
del c:\EXPORT\%str%\ap
rmdir c:\EXPORT\%str%\
rmdir c:\EXPORT\%str%\
rmdir c:\EXPORT\%str%\l
erase c:\EXPORT\%str%\a
rmdir c:\EXPORT\%str%\a
pause
goto END
:ERROR
```

```
echo Cannot create, che
goto OUT
:END
CLS
echo _____
echo  ANDROID-STUDIO E)
echo _____
echo Export ended, chec
:OUT
pause
```

answered Nov 6 '16 at 11:15

Kaunis

11   3

I used your code, at first I got the error ""Please select Android SDK" when executing the new exported code in the emulator but I solve it with this answer stackoverflow.com/a/49568712/1363087 By the way, the app changed from 400Mb to 20Mb. Great to store in DropBox. After rebuilding it went up to 80Mb. Thanks – Ton Apr 12 '18 at 16:39 ✎

By the way, it also makes you select the Keys to build the apks. Is there an option to not delete something so these 2 issues are gone? I don't mind if the exported file is a bit larger. I need to use your batch file many times, but I would prefer to not have to do those 2 issues each time. Thanks – Ton Apr 12 '18 at 18:08 ✎