

Stuck with Gradle Build Running

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▲
27 While trying to build my Application on Android Studio 2.1 (On Ubuntu 16.04), it gets stuck on the below note:

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★
14 **Executing** tasks: [:app:generateDebugSources, :app:mockableAndroidJar, :app:prepareDebugUnitTestDependencies, :app:generateDebugAndroidTestSources]

Can anybody please help me out.

 android  android-studio  gradle

edited Aug 16 '17 at 7:59



SkyWalker

18k 5 37 81

asked May 6 '16 at 2:21



Arun George

417 2 7 19

5 Answers

▲
58 Actually it is not stuck. It takes more time to build. I have got almost 3 solutions that can fix the issue.

Solution-1:

▼
✓ Following the steps will make it 10 times faster and reduce build time 90%

First create a file named `gradle.properties` in the following directory:

```
/home/<username>/gradle/ (Linux)
/Users/<username>/gradle/ (Mac)
C:\Users\<username>\gradle (Windows)
```

Add this line to the file:

```
org.gradle.daemon=true
```

```
org.gradle.parallel=true
```

Solution-2:

If Android Studio has a proxy server setting and can't reach the server then it takes a long time to build, probably its trying to reach the proxy server and waiting for a timeout. When I removed the proxy server setting its working fine.

In Android Studio go to File -> Settings -> Build, Execution, Deployment -> Build Tools -> Gradle

Check the 'Offline work' under 'Global Gradle settings'

It will reduce 90% gradle build time.

Solution-3

If you are using Google Play services, make sure you aren't using this in your Gradle build script:

```
compile 'com.google.android.gms:play-
```

Only use those Google APIs that your app is really using. If all you are using is Google Maps, you would use this:

```
com.google.android.gms:play-services-
```

When I did this, my compile time went from over 2 minutes to around 25 seconds. For a list of the Google apis that you can selectively compile against, see:

<https://developers.google.com/android/guides/setup>

Resource Link:

1. [Android Studio gradle takes too long to build](#)
2. [Discussion about stuck in gradle build](#)

Solution#4:

[Arun George](#) has commented the following solution.

the issue was due to certain 32 bit libraries missing. Had to do
 sudo
 apt-get install lib32z1 . Adding
 to gradle.properties helped
 reduce the build time.

edited Sep 12 '17 at 2:37

answered May 6 '16 at 3:20



SkyWalker

18k 5 37 81

- 3 I think, the issue was due to certain 32 bit libraries missing. Had to do
 sudo apt-get install lib32z1 .
 Adding to gradle.properties helped
 reduce the build time. Thanks:) –
 Arun George May 8 '16 at 18:45 ✎

org.gradle.parallel=true should be
 used only with decoupled projects
 (IE: project that don't share objects).
 You can read more here:
[docs.gradle.org/current/userguide/...](https://docs.gradle.org/current/userguide/)
 – qwlice Sep 27 '16 at 7:54 ✎

i have same probelm
[stackoverflow.com/questions/41502164/...](https://stackoverflow.com/questions/41502164/) – Aditya Vyas-Lakhan Jan 6 '17
 at 9:11

- 1 Solution 1 makes builds finish 20
 times faster for me! – Swindler Feb
 14 '17 at 22:06



For my case I had to install gcc-
 multilib

2

\$ sudo apt-get install gcc-multilib

Check the Gradle Console at the
 bottom right as it has more output
 than the Event log.

edited Jan 18 '17 at 16:02



SkyWalker

18k 5 37 81

answered Jan 9 '17 at 9:57



N Jacobs

256 1 14

▲ Changing `buildToolsVersion` was the solution for me.

2



answered Jun 20 '17 at 13:43



[Mateusz Kaflowski](#)

565 8 23

▲ Adding more to @SkyWalker's answer:

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Also check if you have the latest version of gradle. Updating [gradle plug-in](#) to the latest version could help.

Note: I have a similar setup(Android Studio 2.1 on Ubuntu 16.04), and I had a similar problem. Updating gradle to the latest version solved the problem for me.

edited May 23 '17 at 11:55



Community ♦

1 1

answered May 6 '16 at 6:09



[jayeshsolanki93](#)

1,722 1 13 32

▲ The issue is that the project isn't synced with the gradle files. The resolution I did was go to `File > Sync Project with Gradle Files` and it was able to sync.

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answered Jan 10 at 22:28



[Daniel Mendoza](#)

96 4

protected by [Community ♦](#) Jun 16 '17 at 16:37

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