

Comments (13)DependenciesDuplicates (1)Blocking (0)Resources (2)

Fixed

Bug

P2

+ Add Hotlist

 STATUS UPDATE No update yet. 

Edit

 DESCRIPTION pr...@gmail.com created issue [#1](#) Jun 20, 2020 12:12AM 

On a project using NDK, with AGP 4.0.0, the task externalNativeBuildClean also runs the preBuild task.

However, till AGP 3.6.0, externalNativeBuildClean used to not depend on it and didn't run any other tasks.

This can be reproduced on one of the official NDK samples. Here's my findings when testing on <https://github.com/android/ndk-samples/tree/master/hello-jni> -

With AGP 4.0.0 -

```
:app:clean
+--- :app:externalNativeBuildCleanArm8Debug
|   \--- :app:preArm8DebugBuild
|       \--- :app:preBuild
+--- :app:externalNativeBuildCleanArm8Release
|   \--- :app:preArm8ReleaseBuild
|       \--- :app:preBuild
+--- :app:externalNativeBuildCleanUniversalDebug
|   \--- :app:preUniversalDebugBuild
|       \--- :app:preBuild
+--- :app:externalNativeBuildCleanUniversalRelease
|   \--- :app:preUniversalReleaseBuild
|       \--- :app:preBuild
+--- :app:externalNativeBuildCleanX86_64Debug
|   \--- :app:preX86_64DebugBuild
|       \--- :app:preBuild
\--- :app:externalNativeBuildCleanX86_64Release
      \--- :app:preX86_64ReleaseBuild
          \--- :app:preBuild
```

With AGP 3.6.0 -

```
:app:clean
+--- :app:externalNativeBuildCleanArm8Debug
+--- :app:externalNativeBuildCleanArm8Release
+--- :app:externalNativeBuildCleanUniversalDebug
+--- :app:externalNativeBuildCleanUniversalRelease
+--- :app:externalNativeBuildCleanX86_64Debug
\--- :app:externalNativeBuildCleanX86_64Release
```


This seems to be a regression/bug in AGP 4.0 and has increased the time taken to clean one of my projects significantly. Would be great to know the reasoning behind this if it is intentional.

Build: AI-193.6911.18.40.6514223, 202005201507,

AI-193.6911.18.40.6514223, JRE 1.8.0\_242-release-1644-b3-6222593x64 JetBrains s.r.o, OS Mac OS X(x86\_64) v10.15.5, screens 1536x960; Retina

AS: 4.0; Kotlin plugin: 1.3.72-release-Studio4.0-5; Android Gradle Plugin: 4.0.0; Gradle: 6.5; NDK: from local.properties: 21.3.6528147, latest from SDK: 21.3.6528147; LLDB: pinned revision 3.1 not found, latest from SDK: (package not found); CMake: from local.properties: (not specified), latest from SDK: 3.10.2, from PATH: (not found)

Reporter

 pr...@gmail.com

Type

Bug

Priority

P2

Severity

S3

Status


Fixed

Access

Default access 

View


Assignee

 ga...@google.com


Verifier

--

Collaborators

 ^

CC

 ^  
ga...@google.com  
pr...@gmail.com

AOSP ID

--

Blocking Release

--

Release Status

Complete

Found In

--


Targeted To

Dolphin Canary 6 (2021.3.1.6)

Verified In

--

In Prod



Show 1 additional field 

✓ Mentioned issues (1)

Hide all


 Mentioned issues (1)

P2 externalNativeBuildClean runs preBuild also when using AGP 7.x ["https://issuetracker.google.com/222232897"](https://issuetracker.google.com/222232897) co...@ [#8](#)

COMMENTS 

All comments ▾

↓ Oldest first



**uc...@google.com** <uc...@google.com> Jun 20, 2020 03:51AM  
*Assigned to an...@google.com.*



**tg...@google.com** <tg...@google.com> [#2](#) Jun 25, 2020 08:16AM 

Hi Ivan, do you know why this is changed in AGP 4.0?

**ga...@google.com** <ga...@google.com> [#3](#)

Jun 26, 2020 01:38AM

*Marked as fixed, reassigned to ga...@google.com.*

This will be fixed in 4.2.0-alpha05.

ag/I5ac2af10ffcc8c6d53a208c6f409bc3d8371e7a7

**pr...@gmail.com** <pr...@gmail.com> [#4](#)

Jul 26, 2020 02:46PM

Not sure whether this is the same bug but here's the task graph for a project with NDK and dynamic feature module -

With AGP 3.6.0 (5 tasks) -

```
> ./gradlew clean --dry-run
:clean SKIPPED
:app:externalNativeBuildCleanDebug SKIPPED
:app:externalNativeBuildCleanRelease SKIPPED
:app:clean SKIPPED
:dynamicfeature:clean SKIPPED
```

With AGP 4.0.0 (14 tasks) -

```
> ./gradlew clean --dry-run
:clean SKIPPED
:app:generateDebugFeatureTransitiveDeps SKIPPED
:dynamicfeature:generateDebugFeatureTransitiveDeps SKIPPED
:app:checkDebugLibraries SKIPPED
:app:preBuild SKIPPED
:app:preDebugBuild SKIPPED
:app:externalNativeBuildCleanDebug SKIPPED
:app:generateReleaseFeatureTransitiveDeps SKIPPED
:dynamicfeature:generateReleaseFeatureTransitiveDeps SKIPPED
:app:checkReleaseLibraries SKIPPED
:app:preReleaseBuild SKIPPED
:app:externalNativeBuildCleanRelease SKIPPED
:app:clean SKIPPED
:dynamicfeature:clean SKIPPED
```

**ga...@google.com** <ga...@google.com> [#5](#)

Jul 27, 2020 06:45PM

This is almost certainly the same issue, can you please try with AGP 4.2.0-alpha05?

**pr...@gmail.com** <pr...@gmail.com> [#6](#)

Aug 11, 2020 10:42PM

I just tried with 4.2.0-alpha07 and can confirm that both the issues are resolved. Thanks!

Can you give an estimate when this fix will be released in a stable AGP version?

**co...@gmail.com** <co...@gmail.com> [#7](#)

Mar 2, 2022 11:55PM

Just a heads up that this is still an issue on AGP 7.0.x (and I suspect 7.1.x and beyond):


```
gw :app:clean --dry-run

> Configure project :app
[...]
:app:packageReactNdkDebugLibs SKIPPED
:app:preBuild SKIPPED
:app:preDebugBuild SKIPPED
:app:externalNativeBuildCleanDebug SKIPPED
:app:packageReactNdkReleaseLibs SKIPPED
:app:preReleaseBuild SKIPPED
:app:externalNativeBuildCleanRelease SKIPPED
:app:clean SKIPPED
```

**co...@gmail.com** <co...@gmail.com> [#8](#)

Mar 3, 2022 12:17AM

I've created a follow-up here: <https://issuetracker.google.com/issues/222232897>




**ga...@google.com** <ga...@google.com> [#9](#)

Mar 3, 2022 01:11AM

⋮

Status: *Assigned (reopened)*

Thanks for letting us know, this has indeed regressed, sorry about that.



**ga...@google.com** <ga...@google.com> [#10](#)

Mar 3, 2022 04:31AM

⋮

Marked as fixed.

This is now fixed (again) in ag/I95ac997fe360fafa585452e5dd53390a38bd0149.

The fix will land in 7.2.0-rc01 and 7.3.0-alpha06.




**co...@gmail.com** <co...@gmail.com> [#11](#)

Mar 3, 2022 04:33AM

⋮

That was fast. Thanks for doing it 🙌



**de...@google.com** <de...@google.com> [#12](#)

Mar 15, 2022 05:35AM

⋮


Thank you for your patience while our engineering team worked to resolve this issue. A fix for this issue is now available in:

- *Android Studio Dolphin Canary 6 (2021.3.1.6)*
- *Android Gradle Plugin 7.3.0-alpha06*

We encourage you to try the latest update.

If you notice further issues or have questions, please file a new bug report.

**Thank you for taking the time to submit feedback — we really appreciate it!**



**co...@gmail.com** <co...@gmail.com> [#13](#)

Mar 16, 2022 01:01AM

⋮

Hey @de...@google.com

Thanks for the heads up. Just a quick update that your colleague in comment #10 mentioned that:

The fix will land in 7.2.0-rc01 and 7.3.0-alpha06.

While you mentioned only: Android Gradle Plugin 7.3.0-alpha06. Which of the two is correct?