

"commandLine" in gradle broken in Bumblebee

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Assigned Bug P3 + Add Hotlist

STATUS UPDATE No update yet. Edit

DESCRIPTION ha...@gmail.com created issue #1 Jan 28, 2022 08:45AM

Just upgraded from Arctic Fox to Bumblebee. Now all my gradle commandLine scripts fail. As I can't see the exact command line string, it's hard to tell exactly what changed. I added this to get a clue:

```
allprojects {
    tasks.withType(Exec) {
        doFirst {
            println commandLine
        }
    }
}
```

And here's the error message:

```
> Task :foo:swigSb FAILED
[C:\Sdk\swig\swig, , -I../base/swig, -java, -package, com.foo, -outdir, C:\foo, -o, jni/wrap.c, ../foo/swig/foo.i]
swig error : Unrecognized option
Use 'swig -help' for available options.
```

And here's the command that worked in Arctic Fox:

```
task swigSb(type: Exec) {
    commandLine "${swigDir}\\swig",
        "",
        "-I../base/swig",
        "-java", "-package", packageName,
        "-outdir", generatedSrcDir,
        "-o", "jni/wrap.c",
        "../foo/swig/foo.i"
}
```

I did change the build tools to 7.1.0 but quickly changed back to 7.0.4. Still the same error.  
From a command prompt, I tried invoking the command (well-formatted, no commas of course) and it works. So for sure, Bumblebee cannot fly. Uninstalling.

Reporter ha...@gmail.com  
Type Bug

Priority P3

Severity S3

Status Assigned

Access Default access View

Assignee je...@google.com

Verifier --

Collaborators

CC ha...@gmail.com

AOSP ID --

Blocking Release --

Release Status --

Found In --

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COMMENTS All comments Oldest first

ha...@gmail.com <ha...@gmail.com> #2 Jan 28, 2022 08:55AM

Wow... so an empty argument causes this error. Exactly where does this change come from?

uc...@google.com <uc...@google.com> Feb 1, 2022 08:46PM

Assigned to an...@google.com.

je...@google.com <je...@google.com> #3 Feb 9, 2022 05:32PM

Reassigned to je...@google.com.

do you have a repro case ? it's hard to follow what you are trying to customize here.

ha...@gmail.com <ha...@gmail.com> #4 Feb 10, 2022 11:04AM

No repro case yet. Though I did pinpoint the exact problem above.

```
task swigSb(type: Exec) {
    commandLine "${swigDir}\\swig",
        "", <----- Here!
        "whatever"
}
```

As shown above, an empty argument used to work (stripped away?) in Arctic Fox. This behavior was changed in Bumblebee. Now it seems the empty string is being used for the final command, causing a syntactical error if an empty argument is not expected.

I did notice that most commands in Windows seem to handle an argument like `""`. Maybe `swig` simply doesn't.



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

Feb 10, 2022 04:25PM ⋮

sorry I am not very familiar with swig, and after a super rapid lookup, it looks like it is used to generate jni libraries from c++. is that the tool you are using ?

it seems to me that this issue is not related to Android Studio, but probably to the update of Gradle underneath. Have you tried a plain Gradle project without any android plugin using the same Gradle version and see if that works or not ?