I should also note that this is a multimodule project, and this class implements an interface, however the other class tha implements the same interface does not appear to have this issue.

I am unable to recreate this issue in a sample project, and as far as I can tell, this class is no different than the hundreds of others we have that follow this same pattern and don't exhibit this issue.

This is a production app and we have restrictions around sharing the code, however I can share an obfuscated apk, though I would much prefer it to be in a private channel if possible.

I also see no behavior change with or without -addconfigurationdebugging, I've seen that flag cause issues before so I figure I'd call it out.

COMMENTS

All comments

ze...@google.com <ze...@google.com>_#2

May 13, 20

May 13, 2020 02:43PM

→ Oldest first

Show 1 additional field

Reassigned to ze...@google.com.

Thanks for the report.

The rule "-keepclassmembers" only applies if the class is retained in some way, whereas "-keep" will keep the class and members regardless of the content of the program.

I suspect the cause is because nothing in the application is instantiating the class. If the class is allocated by reflection or JNI you should keep the constructor(s) that are used in those places, which will cause the class to be seen as instantiated:

-keep class MyClass { <init>(...); }

(Using -keep class MyClass, will in non-full mode implicitly keep the default constructor of the class.)

And then also add rules for the members that are accessed via reflection or JNI (such as the fields as you indicated).

pa...@willowtreeapps.com <pa...@willowtreeapps.com>#3

May 14, 2020 01:03AM :

Does it even require instantiation to keep the class? I ask because we have many classes that are only instantiated through reflection, however their type is at least explicitly referenced somewhere else, I'm seeing now that this class never has its type explicitly referenced, it's only referenced through the interface it implements. Wonder if that's the issue here

	sg@google.com <sg@google.com><u>#4</u></sg@google.com>	May 14, 2020 05:43PM	
	As Ian already mentioned: "Using -keep class MyClass, will in non-full mode implicitly keep the default constructor of the class.". The same is the case when tracing the code. In non-full mode a referenced type will keep the class and at least its default constructor. In full mode the default constructor will not be kept implicitly.		
		Class you should see that having a reference to the type (e.g. System.out.println(MyClass.class) will epclassmembers rules take effect. In general it is good practice to have an explicit—keep rule on all classes antiated by reflection.	
	ro@gmail.com <ro@gmail.com> #5</ro@gmail.com>	May 14, 2020 11:19PM	
	Alright great! Yea it seems this was just a misunderstanding as to be class needed to already be kept for that to take effect. Thanks for the doesn't appear to be an issue with R8 itself. Hoping the next person	e prompt response y'all, our issue is resolved and this	
	Thanks!		
	ze@google.com <ze@google.com><u>#6</u></ze@google.com>	May 15, 2020 06:22AM	
	Status: Won't Fix (Intended Behavior)		
	Thanks for the update and we are happy to hear the issue is resolved them!	d. Don't hesitate to file future issues when you encounter	