


 STATUS UPDATE No update yet.

Edit


 DESCRIPTION br...@snapchat.com created issue [#1](#)

Background

We are seeing a crash in R8 8.1.33, when we try to access java code from native, it fails with the following error message:

Abort message: 'JNI FatalError called: FATAL UNMANAGED EXCEPTION THROWN: [java.lang.NoSuchFieldError: no "I" field "type" in class "Lcom/snap/composer/schema.JNI FatalError called: FATAL UNMANAGED EXCEPTION THROWN: [java.lang.NoSuchMethodError: no static method "Lcom/snap/composer/callable/ComposerFunctionNative;. Interestingly, the field and method exists in the DEX files and they are explicitly marked with @Keep to ensure that they do not get modified. The class does not seem to be meaningfully changed I'll share artifacts over email.

COMMENTS



ch...@google.com <ch...@google.com> [#2](#)


Status: Won't Fix (Intended Behavior)

Thanks for sharing the artifacts.

The failing apk actually doesn't have the field. Looking at the disassembly of `com.snap.composer.schema.ComposerMarshallableObjectDescriptor` there is a field `a` of type `I`.

I can see from the disassembly that the class is annotated with `@androidx.annotation.Keep`. However, the problematic build does not have the rule `-keep @androidx.annotation.Keep` following rules:

```
-keepclasseswithmembers class * {
    @androidx.annotation.Keep <methods>;
}
-keepclasseswithmembers class * {
    @androidx.annotation.Keep <fields>;
}
-keepclasseswithmembers class * {
    @androidx.annotation.Keep <init>(...);
}
```



br...@snapchat.com <br...@snapchat.com> [#3](#)

Shoot, I was disassembling the wrong APK. This makes a lot more sense now. Our Bazel build was missing a transitive dependency on androidx annotations.

Thanks for taking a look.