← C ☆   **Crash, marker taps ignored due to incorrect ProGuard configuration**   +1 ¹⁴   Hotlists (2)   Mark as Duplicate   🔔   ⋮

Comments (7)   Dependencies   Duplicates (3)   Blocking (0/1)   Resources (5)

Infeasible   Bug   P2 | + Add Hotlist

👥 **STATUS UPDATE**   No update yet.   Edit

📄 **DESCRIPTION** st...@gmail.com created issue #1

What steps will reproduce the problem?

1. Download and unarchive the attached project.
2. Replace the placeholder text YOUR_KEY_HERE in `app/src/debug/res/values/google_maps_api.xml` with a valid Google Maps API key.
3. Run `./gradlew clean app:installCrashDebug`
4. Launch the application
5. See a crash:

```
2020-01-21 16:47:25.642 9703-9703/com.stkent.googlemapsv3proguard E/AndroidRuntime: FATAL EXCEPTION: main
    Process: com.stkent.googlemapsv3proguard, PID: 9703
    java.lang.ExceptionInInitializerError
        at com.google.android.libraries.maps.ex.zzd.<clinit>(:111)
        at com.google.android.libraries.maps.dk.zza.zzA(:983)
        at com.google.android.libraries.maps.gu.zzat.zza(:63)
        at com.google.android.libraries.maps.it.zzav.zza(:59)
        at com.google.android.libraries.maps.it.zzci.zza(:3)
        at com.google.android.libraries.maps.it.zzcg.zza(:15)
        at com.google.android.libraries.maps.SupportMapFragment$zza.onCreateView(:15)
        at com.google.android.gms.dynamic.zad.zaa(:4)
        at com.google.android.gms.dynamic.DeferredLifecycleHelper.zaa(:9)
        at com.google.android.gms.dynamic.DeferredLifecycleHelper.onCreateView(:25)
        at com.google.android.libraries.maps.SupportMapFragment.onCreateView(:34)
        at androidx.fragment.app.Fragment.performCreateView(:2600)
        at a.h.a.j.f(:1138)
        at a.h.a.j.a(:851)
        at a.h.a.j.p(:1133)
        at a.h.a.j.a(:1393)
        at a.h.a.j.onCreateView(:3205)
        at a.h.a.f.a(:134)
        at a.h.a.d.dispatchFragmentsOnCreateView(:357)
        at a.h.a.d.onCreateView(:336)
        at android.view.LayoutInflater.tryCreateView(LayoutInflater.java:1069)
        at android.view.LayoutInflater.createViewFromTag(LayoutInflater.java:997)
        at android.view.LayoutInflater.createViewFromTag(LayoutInflater.java:961)
        at android.view.LayoutInflater.inflate(LayoutInflater.java:659)
        at android.view.LayoutInflater.inflate(LayoutInflater.java:534)
        at android.view.LayoutInflater.inflate(LayoutInflater.java:481)
        at a.b.k.h.c(:555)
        at a.b.k.e.setContentView(:161)
        at com.stkent.googlemapsv3proguard.MapsActivity.onCreate(:18)
        at android.app.Activity.performCreate(Activity.java:7802)
        at android.app.Activity.performCreate(Activity.java:7791)
        at android.app.Instrumentation.callActivityOnCreate(Instrumentation.java:1299)
        at android.app.ActivityThread.performLaunchActivity(ActivityThread.java:3245)
        at android.app.ActivityThread.handleLaunchActivity(ActivityThread.java:3409)
        at android.app.servertransaction.LaunchActivityItem.execute(LaunchActivityItem.java:83)
        at android.app.servertransaction.TransactionExecutor.executeCallbacks(TransactionExecutor.java:135)
        at android.app.servertransaction.TransactionExecutor.execute(TransactionExecutor.java:95)
        at android.app.ActivityThread$H.handleMessage(ActivityThread.java:2016)
        at android.os.Handler.dispatchMessage(Handler.java:107)
        at android.os.Looper.loop(Looper.java:214)
        at android.app.ActivityThread.main(ActivityThread.java:7356)
        at java.lang.reflect.Method.invoke(Native Method)
        at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:492)
        at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:930)
     Caused by: java.lang.NullPointerException: throw with null exception
        at com.google.android.libraries.maps.ex.zzi.<init>(:2)
        at com.google.android.libraries.maps.ex.zzh.<init>(:1)
        at com.google.android.libraries.maps.ex.zzi.<clinit>(:16)
```

This crash can be fixed by including the line `-keep,allowoptimization class com.google.android.libraries.maps.** { *; }` in your ProGuard configuration file. This can be verified to fix the crash by r
However, in this build you will notice that marker taps do not trigger the provided click listener (this listener shows a toast when invoked). Marker taps can be fixed by including the additional line
configuration file. This can be verified to fix marker taps by running `./gradlew clean app:installNoCrashMarkerTapsOkDebug` and launching the application.

Note that the additional ProGuard configuration lines I have suggested are sufficient to fix these issues but likely not minimally invasive. Please review classes in the referenced packages and in
configuration.

Also add the following details:

- Device (and version of Android) you have verified this issue on: Android 10 Pixel 3 XL (real device & emulator).
- Maps SDK Version: 3.0.0-beta AAR downloaded 2020/01/21 (no other meaningful version information available)
- Android SDK Version: 29
- Was this working correctly on a previous version of the Maps SDK for Android? Yes, in v2, with ProGuard rules such as https://github.com/googlemaps/android-samples/blob/master/tutorials/(

📎 **google_maps_v3_proguard_repro.zip**
9.8 MB Download

✓ **Links (5)**

🔗 **Links (5)**

" …ing correctly on a previous version of the Maps SDK for Android? Yes, in v2, with ProGuard rules such as https://github.com/googlemaps/android-samples/blob/master/tutorials/CurrentPlaceDeta

"Maps SDK for Android Beta version is now deprecated and will be fully decommissioned in late 2022. For more information, you can check our documentation here: https://developers.google.com/m

"…leased a new client library for Maps SDK for Android, version 18.0.0 that we suggest that you try to fix the issue. You can also migrate your Beta SDK version to the latest version by using our migra

"Creating a new issue in https://issuetracker.google.com/issues/new?component=1124440&template=1632899&pli=1"

"Creating a support case in the Google Cloud Console https://developers.google.com/maps/support/#creating-a-support-case"

COMMENTS

○ **as...@google.com** <as...@google.com> #2

Assigned to as...@google.com.

Thanks for reporting this issue.

We're still reviewing this issue. We will let you know as soon as additional updates are made available.

○ **[Deleted User]** <[Deleted User]> #3

In case anyone else is facing this same issue with DexGuard, the following rules may help. The last line was recommended by DexGuard's config debugging at runtime and seems to help.

Google Maps 3.0.0 Beta
-keep,includecode class com.google.android.libraries.maps.** { *; }
-keep,includecode class com.google.android.apps.gmm.** { *; }
-keep,includecode class com.google.common.logging.** { *; }
-keepresourcefiles **/libgmm-jni.so

Message last modified on Feb 28, 2020 10:36PM

○ **as...@google.com** <as...@google.com> #4

Reassigned to gm...@google.com.

Thank you so much for your patience.

We have verified and logged it internally. Please note that we cannot give you any timelines, but you can star the issue to get notifications.

○ **st...@gmail.com** <st...@gmail.com> #5

From inspecting the ProGuard configuration packaged with 3.1 I'd say the workarounds described above still look necessary.

○ **st...@gmail.com** <st...@gmail.com> #6

An update from testing 3.1:

- Marker taps now work without any additional ProGuard configuration. If you previously added the line `-keep, allowoptimization class com.google.android.apps.gmm.renderer.` to 3.1.
- Apps using Maps 3.1 still crash slightly after launch without `-keep, allowoptimization class com.google.android.libraries.maps.** { *; }` in their ProGuard configuration. Y

For Google folks, the crash I see with 3.1 when not protected by additional rules now looks like:

```
2020-08-11 15:53:38.492 17143-17143/com.stkent.googlemapsv3proguard E/AndroidRuntime: FATAL EXCEPTION: main
    Process: com.stkent.googlemapsv3proguard, PID: 17143
    java.lang.NullPointerException
        at com.google.android.libraries.maps.lv.zzj.<init>(:6)
        at com.google.android.libraries.maps.lv.zzau.zza(:138)
        at com.google.android.libraries.maps.lv.zzau$zzc.zza(:5)
        at com.google.android.libraries.maps.lv.zze.zzb(:60)
        at com.google.android.libraries.maps.lv.zze.zza(:52)
        at com.google.android.libraries.maps.eq.zzo.zza(:39)
        at com.google.android.libraries.maps.eq.zzc.zza(:243)
        at com.google.android.libraries.maps.fj.zzi.zza(:158)
        at com.google.android.libraries.maps.fj.zzi.zza(:67)
        at com.google.android.libraries.maps.fj.zzd.run(:6)
        at com.google.android.libraries.maps.fv.zzc.run(:7)
```

```
        at com.google.android.libraries.maps.fv.zzae.run(:9)
        at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1167)
        at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:641)
        at com.google.android.libraries.maps.fv.zzv.run(:10)
        at java.lang.Thread.run(Thread.java:923)
```

This looks different to the original crash reported in 3.0...

Message last modified on Aug 12, 2020 05:56AM

ma...@google.com <ma...@google.com> #7

Status: Won't Fix (Infeasible)

Thanks for patiently waiting.

Maps SDK for Android Beta version is now deprecated and will be fully decommissioned in late 2022. For more information, you can check our documentation here: https://developers.google

Google has released a new client library for Maps SDK for Android, version 18.0.0 that we suggest that you try to fix the issue. You can also migrate your Beta SDK version to the latest versio

If you have any issues using the latest version of the SDK, please let us know by either:

- Creating a new issue in https://issuetracker.google.com/issues/new?component=1124440&template=1632899&pli=1
- Creating a support case in the Google Cloud Console https://developers.google.com/maps/support/#creating-a-support-case