
 Android Public Tracker

278917399



   'Camera is being used after Camera.release' crash in camera monkey test

+1

30

Hotlists (7)

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Comments (6)

Dependencies

Duplicates (0)

Blocking (0)

Resources (3)


Assigned

Bug

P3



[AOSP] assigned

 STATUS UPDATE

No update yet.

Edit

 DESCRIPTION

an...@nxp.com created issue #1

Apr 20, 2023 11:52AM

we used the Camera2 API, the code is in "imx\_android-13.0/packages/apps/Camera2"

CAMERA APPLICATION NAME AND VERSION: (Camera 2.0.002)  
ANDROID OS BUILD NUMBER: (evk\_8mm-userdebug 13 TQ1A.230305.008.C1 261 dev-keys)  
DEVICE NAME: (NXP EVK\_8MM)

STEPS TO REPRODUCE:

- 1.flash android image and wait for the board ready
- 2.save the logcat in the background: logcat -f /data/8mm.txt &
- 3.do the monkey test with the command  
adb -s 34202209dab45cbf shell "while true;do monkey -p com.android.camera2 --pct-syskeys 0 -v 10000000;done"
- 4.you can check the logcat data to see if there is a crash and the crash is ' Camera is being used after Camera.release() was called'

OBSERVED RESULTS: there is a high probability of this crash  
EXPECTED RESULTS: should no crash like this  
REPRODUCIBILITY: (246 of 343, 72%) Tested many times, this crash has the highest probability of occurrence  
ADDITIONAL INFORMATION: bugreport, and logcat when issue happened are in google drive, link: [https://drive.google.com/drive/folders/1\\_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn](https://drive.google.com/drive/folders/1_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn)  
CODE FRAGMENTS (this will help us troubleshoot your issues):  
dig the code, find that, the issue happened when start to record:

```
/packages/apps/Camera2/src/com/android/camera/VideoModule.java
private void initializeRecorder() {
    mMediaRecorder.setCamera(camera);
}

/frameworks/base/media/jni/android_media_MediaRecorder.cpp
static void android_media_MediaRecorder_setCamera(JNIEnv* env, jobject thiz, jobject camera)
{
    sp<Camera> c = get_native_camera(env, camera, NULL);
    if (c == NULL) {
        // get_native_camera will throw an exception in this case
        return;
    }
}

/frameworks/base/core/jni/android_hardware_Camera.cpp
sp<Camera> get_native_camera(JNIEnv* env, jobject thiz, JNICameraContext** pContext)
{
    134 JNICameraContext* context = reinterpret_cast<JNICameraContext*>(env->GetLongField(thiz, fields.context));
    135 if (context != NULL) {
    136     camera = context->getCamera();
    137 }
    138 ALOGV("get_native_camera: context=%p, camera=%p", context, camera.get());
    139 if (camera == 0) {
    140     jniThrowRuntimeException(env,
    141         "Camera is being used after Camera.release() was called");
    142 }
```

Did not see other exception information from logcat. When crash happened, the 'context' is null in get\_native\_camera, so the 'camera' is not get by the function: context->getCamera();  
is the code logic has a problem? i made a patch here, which can avoid the crash, but i'm not sure is it reasonable?

```
if (context != NULL) {
    camera = context->getCamera();
+   if (camera == 0) {
+       jniThrowRuntimeException(env,
+           "Camera is being used after Camera.release() was called");
+   }
}
- ALOGV("get_native_camera: context=%p, camera=%p", context, camera.get());
- if (camera == 0) {
-     jniThrowRuntimeException(env,
-         "Camera is being used after Camera.release() was called");
- }
```

please help to check and help to solve the crash.

✓ Links (1)

Hide

"ADDITIONAL INFORMATION: bugreport, and logcat when issue happened are in google drive, link: [https://drive.google.com/drive/folders/1\\_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn](https://drive.google.com/drive/folders/1_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn)" an...@ #1, an...@

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

Apr 20, 2023 03:19PM

Assigned to su...@google.com.

Please share the bug report

Android full bug report capturing

After reproducing the issue, press the volume up, volume down, and power button simultaneously. This will capture a bug report on your device in the “bug reports” directory.


Alternate method

Navigate to “Developer options”, ensure “USB debugging” is enabled, then enable “Bug report shortcut”. Capture bug report by holding the power button and selecting the “Take bug report” option.


Note: Please upload the files to google drive and share the folder to android-bugreport@google.com, then share the link here.
- an...@nxp.com <an...@nxp.com> [#3](#)

Apr 20, 2023 03:29PM

the bugreport is attached , and the google driver link: [https://drive.google.com/drive/folders/1\\_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn](https://drive.google.com/drive/folders/1_Z2ayHev5FxdAl6zTGXWTnZZrDQII5Mn)

 **bugreport-evk\_8mm-TQ2A.230305.008.C1-2023-04-19-12-33-27.zip**

5.6 MB Download


 Restricted
- vi...@google.com <vi...@google.com> [#4](#)

Apr 21, 2023 08:55PM

We have shared this with our product and engineering team and will update this issue with more information as it becomes available.
- aa...@gmail.com <aa...@gmail.com> [#5](#)

Apr 23, 2023 11:10AM

How to enable Camera

 **Screenshot\_20230423-060657.png**

77 KB [View](#) [Download](#)
- an...@nxp.com <an...@nxp.com> [#6](#)

Apr 23, 2023 12:35PM

I think from your screenshot, the camera has been enabled already.
- ra...@google.com <ra...@google.com>

Sep 1, 2023 03:56PM

Reassigned to vi...@google.com.