

← ↻ ☆ Repeatedly call requestAudioFocus can result in system_server native crash global reference table overflow then reboot

+1¹

Hotlists (3)

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Comments (6) Dependencies Duplicates (0) Blocking (0) Resources (2)

Obsolete Bug P3 + Add Hotlist [AOSP] assigned

 STATUS UPDATE No update yet. [Edit](#)

 DESCRIPTION ai...@xiaomi.com created issue #1

Sep 5, 2017 05:14PM ⋮

Call requestAudioFocus again and again in my application

- 1) Open app-debug.apk in the attached file
- 2) Click "REBOOT AUDIO TRIGGER" and wait, you can check the register count in the logcat
- 3) The android system reboot

Here is my sample code:

```
public static void triggerWithAudio(Context context, final Handler handler) {
    final AudioManager audioManager = (AudioManager) context.getSystemService(Context.AUDIO_SERVICE);
    new Thread(new Runnable() {
        @Override
        public void run() {
            while(true) {
                AudioManager.OnAudioFocusChangeListener listener = new AudioManager.OnAudioFocusChangeListener() {
                    @Override
                    public void onAudioFocusChange(int i) {
                        // empty
                    }
                };
                audioManager.requestAudioFocus(listener, AudioManager.STREAM_MUSIC, AudioManager.AUDIOFOCUS_GAIN);
            }
        }
    }).start();
}
```

- What happened.

The android system reboot after I have called requestAudioFocus about 48,000 times.

For more details you can also check bugreport called "audiofocus.zip" in the attached files:
Here is the sample output:

```

09-05 15:07:22.934 28626 28626 F DEBUG : *** **
09-05 15:07:22.934 28626 28626 F DEBUG : Build fingerprint: 'xiaomi/mido/mido:7.0/NRD90M/1.1.1:user/test-keys'
09-05 15:07:22.934 28626 28626 F DEBUG : Revision: '0'
09-05 15:07:22.934 28626 28626 F DEBUG : ABI: 'arm64'
09-05 15:07:22.934 28626 28626 F DEBUG : pid: 19426, tid: 20132, name: Binder:19426_7 >>> system_server <<<
09-05 15:07:22.934 28626 28626 F DEBUG : signal 6 (SIGABRT), code -6 (SI_KILL), fault addr -----
09-05 15:07:22.944 28626 28626 F DEBUG : Abort message: 'art/runtime/indirect_reference_table.cc:116] JNI ERROR (app bug): global reference table overflow
(max=51200)'
09-05 15:07:22.944 28626 28626 F DEBUG : x0 0000000000000000 x1 0000000000004ea4 x2 0000000000000006 x3 0000000000000008
09-05 15:07:22.944 28626 28626 F DEBUG : x4 000000000000014d x5 0000007f9ddfc880 x6 44c7fd9df0000000 x7 0000007f9ddfc744
09-05 15:07:22.944 28626 28626 F DEBUG : x8 0000000000000083 x9 ffffffffddfd x10 0000000000000000 x11 0000000000000001
09-05 15:07:22.944 28626 28626 F DEBUG : x12 ffffffff00000000 x13 00000000ffffff x14 0000000000142d80 x15 0000000000001fe3
09-05 15:07:22.944 28626 28626 F DEBUG : x16 0000007f9de3aed8 x17 0000007f9dde84d0 x18 0000000000000000 x19 0000007f647ff4f8
09-05 15:07:22.944 28626 28626 F DEBUG : x20 0000000000000006 x21 0000007f647ff450 x22 000000000000000b x23 0000000000003825
09-05 15:07:22.944 28626 28626 F DEBUG : x24 ffffffff00000000 x25 0000007f9a5fc730 x26 0000007f9a585ec8 x27 0000007f647fe351
09-05 15:07:22.944 28626 28626 F DEBUG : x28 0000007f9a54c09b x29 0000007f647fe280 x30 0000007f9dde5960
09-05 15:07:22.944 28626 28626 F DEBUG : sp 0000007f647fe260 pc 0000007f9dde84d8 pstate 0000000060000000

```

- What you think the correct behavior should be.

The number of requestAudioFocus for each applications can call should be limited, since usually third-party application do not need to register so much AudioFocusListeners, so that third-party cannot make android system reboot.

- Test device information
Android Model: hongmi note4X
Android Version: 7.0

The bug is also exist on other devices like Nexus 6P with Android 7.1

Reporter ☐ a

Type Bug

Priority P3


Severity S3

Status Wor

Access	Defa
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Assignee ☐ a

Verifier --

Collaborators 

CC

ra...(

AOSP ID --

ReportedBy --

Found In --

Targeted To --

Verified In --

In Prod ☐

✓ Links (2)

Hide all

["https://android-review.googlesource.com/#/c/platform/frameworks..."](https://android-review.googlesource.com/#/c/platform/frameworks...)

yo...@ #4

" ... issue currently still exists. we request that you log a new issue along with the bug report here <https://goo.gl/TbMilO> and reference this bug for cont..."

ra...@ #6

COMMENTS


All comments

↓ Oldest first

**ai...@xiaomi.com** <ai...@xiaomi.com> [#2](#)

Sep 5, 2017 05:15PM ⋮

Sorry, miss the debug apk and bugreport

 **deleted**
0 B ? Restricted **deleted**
0 B ? Restricted**am...@google.com** <am...@google.com> [#3](#)

Sep 5, 2017 08:11PM ⋮

Assigned to am...@google.com.

Thank you for reporting this issue. We have shared this with our product and engineering team and will update this issue with more information as it becomes available.

**yo...@gmail.com** <yo...@gmail.com> [#4](#)

Sep 6, 2017 11:38AM ⋮

<https://android-review.googlesource.com/#/c/platform/frameworks/base/+476042/>

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

Nov 13, 2019 08:31PM ⋮

We will be closing this bug as Obsolete. If you still think this issue is reproducible and relevant in the latest Android release (Android Q), please attach a new bug report along with reproduction details. If a reply is not received within the next 14 days, this issue will be closed. Thank you for your understanding.

**ra...@google.com** <ra...@google.com> [#6](#)

Sep 4, 2020 05:48PM ⋮

Status: Won't Fix (Obsolete)

Thank you for your feedback. We assure you that we are doing our best to address all issues reported. For now, we will be closing the issue as won't fix obsolete.

If this issue currently still exists, we request that you log a new issue along with the bug report here <https://goo.gl/TbMilO> and reference this bug for context.