📁 Android Public Tracker > Framework   245236399 ▾

← C ☆ FATAL EXCEPTION IN SYSTEM PROCESS: Thread-29296   +1 ² │ Hotlists (5) │ Mark as Duplicate │ 🔔 ┊

| Comments (9) | Dependencies | Duplicates (0) | Blocking (0) | Resources (2) |

Infeasible │ Bug │ P3 │ + Add Hotlist │ [AOSP] assigned │ NeedsInfo

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

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

- Android version: 13
- Steps to reproduce the problem (including sample code if appropriate).

The problems that occur during the Monkey test have a very low probability of recurrence and no detailed steps.

- What happened?

JE: The phone restarts abnormally

- What you think the correct behavior should be.

The error stack is as follows，and the reason for DeadObjectException is that the peer process 'com.android.phone' was killed by anr.

```
08-24 22:43:23.553  2023  3426 I ActivityManager: Process com.android.phone (pid 3299) has died: pers PER
08-24 22:43:23.553  2023  3426 I am_proc_died: [0,3299,com.android.phone,-800,0]
08-24 22:43:23.554  2023  2766 D ConnectivityService: releasing NetworkRequest [ REQUEST id=48, [ Capabilities: INTERNET&NOT_RESTRICTED&TRUSTED&NOT_VCN_MANAG
08-24 22:43:23.554  2023  3385 I WindowManager: WIN DEATH: Window{e4823a u0 com.android.phone/com.android.phone.settings.FakeCellSettingsActivity}
08-24 22:43:23.554  2023  3385 W InputManager-JNI: Input channel object 'e4823a com.android.phone/com.android.phone.settings.FakeCellSettingsActivity (client
08-24 22:43:23.557  2023  3014 I WindowManager: WIN DEATH: Window{4f45a45 u0 com.android.phone/com.android.phone.settings.FakeCellSettingsActivity}
08-24 22:43:23.557  2023  3014 W InputManager-JNI: Input channel object '4f45a45 com.android.phone/com.android.phone.settings.FakeCellSettingsActivity (clien
08-24 22:43:23.558  2023 13360 E TelephonyManager: Error calling ITelephony#isAnyRadioPoweredOn
08-24 22:43:23.558  2023 13360 E TelephonyManager: android.os.DeadObjectException
08-24 22:43:23.558  2023 13360 E TelephonyManager:     at android.os.BinderProxy.transactNative(Native Method)
08-24 22:43:23.558  2023 13360 E TelephonyManager:     at android.os.BinderProxy.transact(BinderProxy.java:643)
08-24 22:43:23.558  2023 13360 E TelephonyManager:     at com.android.internal.telephony.ITelephony$Stub$Proxy.needMobileRadioShutdown(ITelephony.java:10360)
08-24 22:43:23.558  2023 13360 E TelephonyManager:     at android.telephony.TelephonyManager.isAnyRadioPoweredOn(TelephonyManager.java:10563)
08-24 22:43:23.558  2023 13360 E TelephonyManager:     at com.android.server.power.ShutdownThread$5.run(ShutdownThread.java:687)
08-24 22:43:23.558  2023 13360 E AndroidRuntime: *** FATAL EXCEPTION IN SYSTEM PROCESS: Thread-29296
08-24 22:43:23.558  2023 13360 E AndroidRuntime: java.lang.RuntimeException: android.os.DeadObjectException
08-24 22:43:23.558  2023 13360 E AndroidRuntime:     at android.telephony.TelephonyManager.isAnyRadioPoweredOn(TelephonyManager.java:10567)
08-24 22:43:23.558  2023 13360 E AndroidRuntime:     at com.android.server.power.ShutdownThread$5.run(ShutdownThread.java:687)
08-24 22:43:23.558  2023 13360 E AndroidRuntime: Caused by: android.os.DeadObjectException
08-24 22:43:23.558  2023 13360 E AndroidRuntime:     at android.os.BinderProxy.transactNative(Native Method)
08-24 22:43:23.558  2023 13360 E AndroidRuntime:     at android.os.BinderProxy.transact(BinderProxy.java:643)
08-24 22:43:23.558  2023 13360 E AndroidRuntime:     at com.android.internal.telephony.ITelephony$Stub$Proxy.needMobileRadioShutdown(ITelephony.java:10360)
08-24 22:43:23.558  2023 13360 E AndroidRuntime:     at android.telephony.TelephonyManager.isAnyRadioPoweredOn(TelephonyManager.java:10563)
08-24 22:43:23.558  2023 13360 E AndroidRuntime:     ... 1 more
```

From the log: the phone (pid=3299) process called a reboot operation,

```
08-24 22:43:01.426  2023  3389 D PowerManagerService: Reboot reason:null, calling pid:3299
08-24 22:43:01.430  2023  2076 D ShutdownThread: Reboot reason:null
08-24 22:43:01.430  2023  2076 D ShutdownThread: java.lang.Throwable
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at com.android.server.power.ShutdownThread.reboot(ShutdownThread.java:259)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at com.android.server.power.PowerManagerService$2.run(PowerManagerService.java:3905)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at android.os.Handler.handleCallback(Handler.java:942)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at android.os.Handler.dispatchMessage(Handler.java:99)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at android.os.Looper.loopOnce(Looper.java:210)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at android.os.Looper.loop(Looper.java:299)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at android.os.HandlerThread.run(HandlerThread.java:67)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at com.android.server.ServiceThread.run(ServiceThread.java:46)
08-24 22:43:01.430  2023  2076 D ShutdownThread:     at com.android.server.UiThread.run(UiThread.java:45)
```

But it did not respond in time and blocked the internal lock of PowerManagerService.

```
08-24 22:43:07.132  2023 13136 W MIUIScout ANR: Binder Info:outgoing transaction: from  3299: 3299 to  2023: 3389 context:binder code: 36 duration:      5.70

"binder:2023_B" prio=5 tid=207 Waiting
  | group="main" sCount=1 ucsCount=0 flags=1 obj=0x1374b298 self=0xb400007446002f50
  | sysTid=3389 nice=-10 cgrp=foreground sched=1073741824/0 handle=0x716a517cb0
  | state=S schedstat=( 1219733774986 1167865095135 4987165 ) utm=87479 stm=34494 core=1 HZ=100
  | stack=0x716a420000-0x716a422000 stackSize=991KB
  | held mutexes=
  at java.lang.Object.wait(Native method)
  - waiting on <0x0b31ecd1> (a com.android.server.power.PowerManagerService$2)
  at java.lang.Object.wait(Object.java:442)
```

```
    at java.lang.Object.wait(Object.java:568)
    at com.android.server.power.PowerManagerService.shutdownOrRebootInternal(PowerManagerService.java:3923)
    - locked <0x0b31ecd1> (a com.android.server.power.PowerManagerService$2)
    at com.android.server.power.PowerManagerService.-$$Nest$mshutdownOrRebootInternal(unavailable:0)
    at com.android.server.power.PowerManagerService$BinderService.reboot(PowerManagerService.java:6268)
    at android.os.IPowerManager$Stub.onTransact(IPowerManager.java:871)
    at com.android.server.power.PowerManagerService$BinderService.onTransact(PowerManagerService.java:6554)
    at android.os.Binder.execTransactInternal(Binder.java:1285)
    at android.os.Binder.execTransact(Binder.java:1249)
```

From the code point of view, this operation requires uithread to execute.

```
3870    private void shutdownOrRebootInternal(final @HaltMode int haltMode, final boolean confirm,
3871            @Nullable final String reason, boolean wait) {
...
3898        Runnable runnable = new Runnable() {
3899            @Override
3900            public void run() {
3901                synchronized (this) {
3902                    if (haltMode == HALT_MODE_REBOOT_SAFE_MODE) {
3903                        ShutdownThread.rebootSafeMode(getUiContext(), confirm);
3904                    } else if (haltMode == HALT_MODE_REBOOT) {
3905                        ShutdownThread.reboot(getUiContext(), reason, confirm);
3906                    } else {
3907                        ShutdownThread.shutdown(getUiContext(), reason, confirm);
3908                    }
3909                }
3910            }
3911        };
3912
3913        // ShutdownThread must run on a looper capable of displaying the UI.
3914        Message msg = Message.obtain(UiThread.getHandler(), runnable);
3915        msg.setAsynchronous(true);
3916        UiThread.getHandler().sendMessage(msg);
3917
3918        // PowerManager.reboot() is documented not to return so just wait for the inevitable.
3919        if (wait) {
3920            synchronized (runnable) {
3921                while (true) {
3922                    try {
3923                        runnable.wait();
3924                    } catch (InterruptedException e) {
3925                    }
3926                }
3927            }
3928        }
3929    }
```

And UiThread is blocking on other messages at this time.

```
24959: 08-24 22:43:01.441  2023  2076 D ShutdownThread: SysUI handling shutdown UI
25412: 08-24 22:43:02.216  2023  2076 W Looper  : PerfMonitor dispatchInputEvent : latency=501ms type=key seq=4703048 code=KEYCODE_DPAD_CENTER action=ACTION_
25529: 08-24 22:43:03.021  2023  2076 W Looper  : PerfMonitor dispatchInputEvent : latency=504ms type=key seq=4703052 code=KEYCODE_TV_TIMER_PROGRAMMING actio
25554: 08-24 22:43:03.524  2023  2076 W Looper  : PerfMonitor dispatchInputEvent : latency=503ms type=key seq=4703056 code=KEYCODE_TV_TIMER_PROGRAMMING actio
26137: 08-24 22:43:04.328  2023  2076 W Looper  : PerfMonitor dispatchInputEvent : latency=504ms type=key seq=4703060 code=KEYCODE_F8 action=ACTION_DOWN hist
26148: 08-24 22:43:04.833  2023  2076 W Looper  : PerfMonitor dispatchInputEvent : latency=504ms type=key seq=4703064 code=KEYCODE_F8 action=ACTION_UP
26164: 08-24 22:43:05.640  2023  2076 W Looper  : PerfMonitor dispatchInputEvent : latency=507ms type=key seq=4703068 code=KEYCODE_DPAD_UP action=ACTION_DOWN
26173: 08-24 22:43:06.145  2023  2076 W Looper  : PerfMonitor dispatchInputEvent : latency=505ms type=key seq=4703072 code=KEYCODE_DPAD_UP action=ACTION_UP h
```

Because it is already going to be shut down at this time, it does not make much sense to deal with other operations. I think it's better to use sendMessageAtFrontOfQueue.

Log: Log.zip

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0 B ⓘ

✓ Links (1)

🔗 **Links (1)**

"Please help review: https://android-review.googlesource.com/c/platform/frameworks/base/+/2206241"

COMMENTS

⚪ **hp...@gmail.com** <hp...@gmail.com> #2

Comment has been deleted.

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Please help review:https://android-review.googlesource.com/c/platform/frameworks/base/+/2206241

vi...@google.com <vi...@google.com>

Assigned to vi...@google.com.

vi...@google.com <vi...@google.com> #4

We've shared this with our product and engineering teams and will continue to provide updates as more information becomes available.

hp...@gmail.com <hp...@gmail.com> #5

Any update?

hp...@gmail.com <hp...@gmail.com> #6

I found this commit didn't work, please ignore it： https://android-review.googlesource.com/c/platform/frameworks/base/+/2206241

Please help to see if there are other solutions.

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

The file provided in comment#1 contains only logcat logs. For us to further investigate the issue we would need a full bugreport. Kindly share the same.

Note: Please avoid uploading directly to the issue using attachments. You may upload to google drive and share the folder to android-bugreport@google.com, then share the link here.

vi...@google.com <vi...@google.com> #8

Could you please provide the details requested in comment#7 to proceed further.

vi...@google.com <vi...@google.com> #9

Status: Won't Fix (Infeasible)

We are closing this issue as we don't have enough actionable information. If you are still facing this problem, please open new issue and add the relevant information along with reference to