

Figure - Bug #113739

测试 Test-ST # 113421 (New): V4.0功能与专项测试

测试 Test-ST # 113422 (New): V4.0专项--AF专项--monkey测试

【AF】【EVT2】【Monkey】Monkey测试60小时，出现ANR：system

2022-11-07 14:10 - CD Test赵飞

Status:	CLOSED	Start date:	2022-11-07
Priority:	Normal	Due date:	
Assignee:	CD FW-鲁凯峰	% Done:	100%
Category:	CD-FW	Estimated time:	0.00 hour
Target version:	VX1_MCE_FSE_V5.0_20221230	Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.0
Need_Info:	--	Degrated:	--
Resolution:	WONTFIX	Verified Version:	
Severity:	Normal	Fixed Version:	
Reproducibility:	Frequently	Root cause:	
Test Type:	Monkey Test		

Description

执行命令：

```
adb shell
monkey --pkg-blacklist-file /sdcard/blacklist.txt --ignore-crashes --ignore-timeouts --ignore-security-exceptions --monitor-native-crashes
--ignore-native-crashes -s 20 --throttle 200 --pct-touch 30 --pct-motion 15 --pct-nav 15 --pct-majornav 15 --pct-syskeys 5 --pct-appswitch 10
--pct-anyevent 10 --ignore-crashes -v -v -v 1080000 2>/sdcard/error.txt 1>/sdcard/info.txt
```

错误日志：

```
// NOT RESPONDING: system (pid 1136)
ANR in system
PID: 1136
Reason: Input dispatching timed out (PointerEventDispatcher0 (server) is not responding. Waited 5005ms for MotionEvent(deviceId=-1,
eventTime=72768085000000, source=0x00001002, displayId=0, action=DOWN, actionButton=0x00000000, flags=0x00000000,
metaState=0x00000000, buttonState=0x00000000, classification=NONE, edgeFlags=0x00000000, xPrecision=1.0, yPrecision=1.0,
xCursorPosition=nan, yCursorPosition=nan, pointers=[0: (2135.0, 538.0)]), policyFlags=0x6b000000)
ErrorId: ee4a11fe-0824-464d-8ded-78064111246d
Frozen: false
Load: 6.74 / 9.73 / 10.48
----- Output from /proc/pressure/memory -----
some avg10=0.00 avg60=0.00 avg300=0.00 total=6308181
full avg10=0.00 avg60=0.00 avg300=0.00 total=2723761
----- End output from /proc/pressure/memory -----

CPU usage from 0ms to 24309ms later (2022-11-04 21:23:08.567 to 2022-11-04 21:23:32.877):
82% 24997/com.qualcomm.qti.usta: 80% user + 1.8% kernel / faults: 910 minor
74% 1247/tlog: 2.7% user + 71% kernel / faults: 4 minor
72% 7232/tlog: 2.7% user + 70% kernel / faults: 3 minor
72% 1053/sensors.qti: 15% user + 57% kernel
63% 2020/com.android.systemui: 48% user + 15% kernel / faults: 17427 minor
61% 1136/system_server: 19% user + 41% kernel / faults: 101976 minor
49% 1039/surfaceflinger: 23% user + 25% kernel / faults: 3230 minor
33% 960/vendor.qti.hardware.display.composer-service: 11% user + 22% kernel / faults: 796 minor
21% 1335/media.codec: 4.6% user + 17% kernel / faults: 8895 minor
```

20% 8463/com.microsoft.emmx: 7.7% user + 12% kernel / faults: 24236 minor 1 major
2.6% 1555/llkd: 0.2% user + 2.4% kernel
...

【日志】

Tlog和ANR日志见Bug #113491 附件

History

#1 - 2022-11-08 10:43 - CD FW 曹覃刚

- Assignee changed from CD FW 曹覃刚 to CD FW- 鲁凯峰

请帮忙分析下这个问题

#2 - 2022-11-09 18:48 - CD Test 赵飞

Log已传至FTP

ftp://cdiot@192.168.87.46/Pre_figure/Test_Log/Bug_113491/Tlog&ANR.zip

#3 - 2022-11-10 15:44 - CD FW-鲁凯峰

- Status changed from New to RESOLVED

- Assignee changed from CD FW- 鲁凯峰 to CD Test 赵飞

- Resolution changed from -- to WONTFIX

■ Current conclusion

在最新的monkey测试中,没有出现该anr了

■ My analysis

从日志看, system_server的anr发生在21:23:11,原因是Input事件没有在5s内响应.

----- pid 1136 at 2022-11-04 21:23:11.587288660+0800 -----

Cmd line: system_server

结合前后21:23:11的前后日志分析

在发生ANR之前是要启动QuickstepLauncher

11-04 21:23:02.755 7497 7497 I wm_on_restart_called: [211429863,com.android.launcher3.uioverrides.QuickstepLauncher,performRestartActivity]

11-04 21:23:02.755 7497 7497 I wm_on_start_called: [211429863,com.android.launcher3.uioverrides.QuickstepLauncher,handleStartActivity]

11-04 21:23:02.757 7497 7497 I wm_on_resume_called: [211429863,com.android.launcher3.uioverrides.QuickstepLauncher,RESUME_ACTIVITY]

QuickstepLauncher开始请求焦点

11-04 21:23:02.787 1136 1213 I input_focus: [Focus request 8795ff6

com.android.launcher3/com.android.launcher3.uioverrides.QuickstepLauncher,reason=UpdateInputWindows]

Monkey发生Touch事件

11-04 21:23:02.883 7301 7301 I Monkey : :Sending Touch (ACTION_UP): 0:(2137.013,523.9981)

11-04 21:23:02.881 7301 7301 I Monkey : :Sending Touch (ACTION_DOWN): 0:(2135.0,538.0)

但是这个时候QuickstepLauncher还没有获取到焦点

```
11-04 21:23:03.088 1136 1706 W InputDispatcher: Waiting because no window has focus but ActivityRecord{c9a29e7 u0
com.android.launcher3/.uioverrides.QuickstepLauncher t8} may eventually add a window when it finishes starting up. Will wait for 5000ms
```

QuickstepLauncher启动5s后还是没有获取焦点,所以Input event被废弃了

```
11-04 21:23:07.887 1136 1706 I InputDispatcher: Dropped event because of pending overdue app switch.
11-04 21:23:07.889 1136 1706 W InputDispatcher: Monitor PointerEventDispatcher0 (server) is unresponsive: PointerEventDispatcher0 (server) is not responding. Waited
5005ms for MotionEvent(deviceId=-1, eventTime=72768085000000, source=0x00001002, displayId=0, action=DOWN, actionButton=0x00000000, flags=0x00000000,
metaState=0x00000000, buttonState=0x00000000, classification=NONE, edgeFlags=0x00000000, xPrecision=1.0, yPrecision=1.0, xCursorPosition=nan,
yCursorPosition=nan, pointers=[0: (2135.0, 538.0)]), policyFlags=0x6b000000
11-04 21:23:07.889 1136 1706 W InputDispatcher: Canceling events for PointerEventDispatcher0 (server) because it is unresponsive
11-04 21:23:07.891 1136 1164 W InputManager: Input event injection from pid 7301 failed.
```

目前看起来有点像是QuickstepLauncher启动超时导致的,但是在最新的版本上跑monkey时,没有发生该anr了,所以建议先观察几个版本在看看

■ Next Action

在多观察3个版本,不复现后关闭

#4 - 2022-11-11 10:18 - CD Test赵飞

- % Done changed from 0 to 70

11月10号Release版本未复现此问题

Monkey问题 , 继续跟踪2个版本

#5 - 2022-11-14 09:56 - CD Test赵飞

- Status changed from RESOLVED to ASSIGNED

- Assignee changed from CD Test赵飞 to CD FW- 鲁凯峰

- % Done changed from 70 to 40

11月11号DB版本执行Monkey测试60小时, 复现此问题1次

错误信息 :

```
// NOT RESPONDING: system (pid 1123)
ANR in system
PID: 1123
Reason: Input dispatching timed out (PointerEventDispatcher0 (server) is not responding. Waited 5895ms for KeyEvent(deviceId=-1,
eventTime=25349485000000, source=0x00000101, displayId=-1, action=DOWN, flags=0x00000008, keyCode=24, scanCode=0, metaState=0x00000000,
repeatCount=0), policyFlags=0x6b000000)
ErrorId: db37c80d-cb7c-4a1b-b3c3-af80f29f03ec
Frozen: false
Load: 5.66 / 6.18 / 5.79
----- Output from /proc/pressure/memory -----
some avg10=0.01 avg60=0.02 avg300=0.00 total=4063417
full avg10=0.00 avg60=0.00 avg300=0.00 total=1975442
----- End output from /proc/pressure/memory -----

CPU usage from 235ms to -17055ms ago (2022-11-11 11:49:00.783 to 2022-11-11 11:49:18.074):
 93% 1058/sensors.qti: 19% user + 73% kernel
 48% 1123/system_server: 14% user + 34% kernel / faults: 63073 minor
```

45% 2004/com.android.systemui: 32% user + 13% kernel / faults: 9555 minor
37% 1232/tlog: 1.8% user + 35% kernel / faults: 1 minor
34% 4797/tlog: 1.6% user + 33% kernel / faults: 1 minor
25% 956/vendor.qti.hardware.display.composer-service: 7.7% user + 17% kernel / faults: 604 minor
22% 1047/surfaceflinger: 9.5% user + 12% kernel / faults: 2672 minor
3% 1329/media.codec: 1.2% user + 1.8% kernel / faults: 22526 minor
8.7% 1403/media.swcodec: 1.7% user + 6.9% kernel / faults: 11143 minor
7% 4090/com.thundercomm.gamemode: 3.5% user + 3.4% kernel / faults: 4105 minor
6.3% 2595/com.android.launcher3: 3% user + 3.2% kernel / faults: 2431 minor

...

日志已传至FTP：

ftp://cdiot@192.168.87.46/Pre_figure/Test_Log/Bug_113739/Tlog&ANR.zip

#6 - 2022-11-15 10:33 - CD FW 曹覃刚

UserDebug版本运行Monkey跑出的问题，将在user版本上跑三个版本观察，如果不再复现，我们将关闭这个问题

#7 - 2022-11-16 11:15 - CD Test赵飞

11月15号Release版本（user）未复现此问题

继续跟踪2个版本

#8 - 2022-11-16 19:39 - CDTs-TEST 周婷

- Due date deleted (2022-11-14)

- Target version changed from VX1_MCE_FSE_V3.0_update_20221130 to VX1_MCE_FSE_V5.0_20221230

#9 - 2022-11-18 10:50 - CD Test赵飞

- Status changed from ASSIGNED to RESOLVED

- % Done changed from 40 to 80

11月16号DB版本（user）和11月17号Release版本（user）均未复现此问题

暂时关闭此问题

#10 - 2022-11-18 10:51 - CD Test赵飞

- Status changed from RESOLVED to VERIFIED

#11 - 2022-11-18 10:51 - CD Test赵飞

- Status changed from VERIFIED to CLOSED

- % Done changed from 80 to 100