

Figure - Bug #118389

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】【EVT3】【Monkey】Device#1&2(4+27个APK-内部测试命令)测试12H,出现一些ANR

2023-05-31 14:40 - CD TEST-方永红

Status:	CLOSED	Start date:	2023-05-31
Priority:	High	Due date:	
Assignee:	物联网测试组_TSCD 王维	% Done:	0%
Category:	稳定性	Estimated time:	0.00 hour
Target version:			
Need_Info:	TEST	Found Version:	0106 (5.29版)
Resolution:	--	Degrated:	--
Severity:	Major	Verified Version:	
Reproducibility:	Rarely	Fixed Version:	
Test Type:	ST	Root cause:	
Description			
【测试命令】 monkey --pkg-blacklist-file /sdcard/blacklist.txt --ignore-crashes --ignore-timeouts --ignore-security-exceptions --monitor-native-crashes --ignore-native-crashes -s 20 --throttle 500 --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 1432000 2>/sdcard/error.txt 1>/sdcard/info.txt 【测试结果】 见截图			

History

#1 - 2023-05-31 14:42 - CD TEST-方永红

- File Snipaste_2023-05-31_14-41-56.png added

ftp://cdiot@192.168.87.46/Pre_figure/Test_Log/118389

#2 - 2023-05-31 14:42 - CD TEST-方永红

- Subject changed from 【AF】【EVT3】【Monkey】Device#1&2(4+27个APK (无豌豆荚)-内部测试命令)测试12H,出现一些ANR to 【AF】【EVT3】【Monkey】Device#1&2(4+27个APK-内部测试命令)测试12H,出现一些ANR

#3 - 2023-06-01 23:05 - CDTs-TEST 周婷

- Category set to 稳定性

#4 - 2023-06-13 10:54 - CD FW 曹覃刚

- Status changed from New to NEED_INFO
- Assignee changed from CD FW 曹覃刚 to CD TEST-方永红
- Need_Info changed from -- to TEST

■ 我的分析

ANR 1

05-31 05:36:32.812 1550 32617 E ActivityManager: ANR in com.tencent.qqlive (com.tencent.qqlive/.ona.activity.VideoDetailActivity)

05-31 05:36:32.812 1550 32617 E ActivityManager: PID: 11848

05-31 05:36:32.812 1550 32617 E ActivityManager: Reason: Input dispatching timed out (Application does not have a focused window)
05-31 05:36:32.812 1550 32617 E ActivityManager: Parent: com.tencent.qqlive/.ona.activity.VideoDetailActivity
05-31 05:36:32.812 1550 32617 E ActivityManager: ErrorId: de464570-546b-432b-b893-c3c70742bfaf
05-31 05:36:32.812 1550 32617 E ActivityManager: Frozen: false
05-31 05:36:32.812 1550 32617 E ActivityManager: Load: 9.58 / 8.89 / 7.32
05-31 05:36:32.812 1550 32617 E ActivityManager: 69% TOTAL: 36% user + 26% kernel + 2.9% iowait + 2.3% irq + 1.3% softirq
ANR 2
05-31 06:47:16.434 1550 20755 E ActivityManager: ANR in com.tencent.mm (com.tencent.mm/.plugin.account.ui.WelcomeActivity)
05-31 06:47:16.434 1550 20755 E ActivityManager: PID: 17976
05-31 06:47:16.434 1550 20755 E ActivityManager: Reason: Input dispatching timed out (Application does not have a focused window)
05-31 06:47:16.434 1550 20755 E ActivityManager: Parent: com.tencent.mm/.plugin.account.ui.WelcomeActivity
05-31 06:47:16.434 1550 20755 E ActivityManager: ErrorId: 7333028c-eac6-4638-be51-188df9dbf29e
05-31 06:47:16.434 1550 20755 E ActivityManager: Frozen: false
05-31 06:47:16.434 1550 20755 E ActivityManager: Load: 7.4 / 6.64 / 7.08
05-31 06:47:16.434 1550 20755 E ActivityManager: 68% TOTAL: 31% user + 28% kernel + 4.4% iowait + 2.5% irq + 1.3% softirq
cpu一直维持在较高水平70%左右

05-31 05:30:08.374 1550 1652 I am_meminfo: [-145514496,183939072,1100660736,782983168,766115840]
05-31 05:36:14.682 1550 1652 I am_meminfo: [428310528,290394112,706007040,784527360,819903488]
05-31 05:46:53.053 1550 1652 I am_meminfo: [-171503616,271314944,862044160,825700352,810316800]
剩余内存严重不足，维持在一到两百M

检查ANR的trace文件，没有发生异常block死锁等问题

如上述分析三点，问题发生的主要原因如下

在monkey测试时，由于安装了(4+27)个应用，包含很多大型应用和游戏

测试时，启动的应用过多，系统的cpu和内存压力一直处于过高的水准，在一些耗资源的场景中很容易出现卡顿响应慢的问题，如文件读写操作，导致发生了很多的ANR

■ 下一步计划

1.是否可以改善测试场景，不安装(4+27)个应用，这样基本不会出现anr问题

即使不是测试monkey，人为操作，不停的使用大型软件和玩游戏，设备也经常会出现响应慢等问题，moneky测试时由于连续的操作，更容易发生此类问题，无法完全解决

2.持续的系统优化，如06/12入库了任务数量限制的功能，能够一定程度上减少系统的压力，提升系统的稳定性

请考虑第一点，同时我们将持续推进第二点，请确认，谢谢

#5 - 2023-08-24 16:50 - CDTs_TEST 王成

- Assignee changed from CD TEST- 方永红 to 物联网测试组_TSCD 王维

#6 - 2023-08-25 13:49 - 物联网测试组_TSCD 王维

使用0136版本在3台设备上monkey跑测5天未复现

#7 - 2023-09-06 14:09 - 物联网测试组_TSCD 王维

- Status changed from NEED_INFO to RESOLVED

已使用0140和0142连续跑测超过70h，同时跑测的设备3台，均未复现，故关闭bug

#8 - 2023-09-06 14:10 - 物联网测试组_TSCD 王维
- Status changed from RESOLVED to VERIFIED

#9 - 2023-09-06 14:10 - 物联网测试组_TSCD 王维
- Status changed from VERIFIED to CLOSED

Files

Snipaste_2023-05-31_14-41-56.png	31.9 KB	2023-05-31	CD TEST-方永红
----------------------------------	---------	------------	-------------