

Figure - Bug #115368

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

【BSP】 【EVT2】 【ST】 【Boot】 【偶现1次】 断电重启开机过程中出现一次开机动画卡死

2023-01-16 19:15 - 移动测试一组_CDTs 刘强

Status:	CLOSED	Start date:	2023-01-16
Priority:	High	Due date:	
Assignee:	CDTS_TEST 王成	% Done:	0%
Category:	SYSTEM	Estimated time:	0.00 hour
Target version:		Found Version:	01.00.X101_20230110
Need_Info:	TEST	Degraded:	--
Resolution:	FIXED	Verified Version:	
Severity:	Major	Fixed Version:	
Reproducibility:	Occasionally	Root cause:	无法复现， 缺少日志
Test Type:	ST		
Description			
【前提条件】 None			
【测试步骤】 1. 设备正常开机 2. 进行断电重启测试 3. 查看设备情况			
【预期结果】 3 设备正常工作			
【实际结果】 3 偶现一次开机动画卡死， 重启后恢复			

History

- #1 - 2023-01-17 14:24 - CD BSP-杜磊
- Status changed from New to ASSIGNED
- Assignee changed from CD BSP-唐金泽 to CD BSP-杜磊
- #2 - 2023-01-30 14:18 - CD SYSTEM-胡兵
- Assignee changed from CD BSP-杜磊 to CD FW 曹覃刚

Hi 覃刚

分析下 systemui anr的问题呢

01-10 11:38:21.168 1482 1570 W ActivityManager: Timeout executing service: ServiceRecord{31deca6 u0 com.android.systemui/.dump.SystemUIAuxiliaryDumpService}

01-10 11:38:21.168 1482 2697 I am_anr : [0,2013,com.android.systemui,818462221,executing service com.android.systemui/.dump.SystemUIAuxiliaryDumpService]

01-10 11:38:21.170 1482 2697 I android_os_HwBinder: HwBinder: Starting thread pool for getting: android.hidl.manager@1.0::IServiceManager/default

01-10 11:38:21.176 1482 2697 I ActivityManager: dumpStackTraces pids={1996=true, 2365=true, 2372=true, 2487=true, 2503=true, 2544=true} nativepids=[515, 905, 1161, 1996, 1230, 852, 661, 662, 919, 1176, 1181, 1185, 1315, 804, 1188, 875, 1196, 815, 818, 819, 563, 820, 564, 822, 824]

01-10 11:38:21.470 1482 2697 I ActivityManager: Skipping next CPU consuming process, not a java proc: 1540

01-10 11:38:21.470 1482 2697 I ActivityManager: Skipping next CPU consuming process, not a java proc: 1482

01-10 11:38:21.470 1482 2697 I ActivityManager: Skipping next CPU consuming process, not a java proc: 351

01-10 11:38:21.471 1482 2697 I ActivityManager: Dumping to /data/anr/anr_2023-01-10-11-38-21-470

01-10 11:38:21.471 1482 2697 I ActivityManager: Collecting stacks for pid 2013

01-10 11:39:34.951 1482 1561 E Watchdog: First set of traces taken from /data/anr/anr_2023-01-10-11-38-58-088

01-10 11:39:34.978 1482 1561 E Watchdog: Second set of traces taken from /data/anr/anr_2023-01-10-11-39-29-136

01-10 11:39:35.006 1482 3040 I DropBoxManagerService: add tag=system_server_watchdog isTagEnabled=true flags=0x6

01-10 11:39:35.009 1482 1561 W Watchdog: *** WATCHDOG KILLING SYSTEM PROCESS: Blocked in monitor com.android.server.am.ActivityManagerService on foreground thread (android.fg), Blocked in handler on ui thread (android.ui), Blocked in handler on display thread (android.display)

01-10 11:39:35.010 1482 1561 W Watchdog: android.fg annotated stack trace:

Thanks.

#3 - 2023-01-30 14:28 - CD FW 曹覃刚

- Category changed from BSP to CD-FW

#4 - 2023-01-31 15:39 - CD FW 曹覃刚

- Category changed from CD-FW to SYSTEM

- Assignee changed from CD FW 曹覃刚 to CD SYSTEM-胡兵

Hi 胡兵

针对ANR本身的分析结果如下

01-10 11:38:22.563 1482 2697 I ActivityManager: Done dumping

01-10 11:38:22.564 1482 2697 E ActivityManager: ANR in com.android.systemui

01-10 11:38:22.564 1482 2697 E ActivityManager: PID: 2013

01-10 11:38:22.564 1482 2697 E ActivityManager: Reason: executing service com.android.systemui/.dump.SystemUIAuxiliaryDumpService

01-10 11:38:22.564 1482 2697 E ActivityManager: Frozen: false

01-10 11:38:22.564 1482 2697 E ActivityManager: Load: 2.61 / 0.66 / 0.22

01-10 11:38:22.564 1482 2697 E ActivityManager: ----- Output from /proc/pressure/memory -----

01-10 11:38:22.564 1482 2697 E ActivityManager: some avg10=0.00 avg60=0.00 avg300=0.00 total=0

01-10 11:38:22.564 1482 2697 E ActivityManager: full avg10=0.00 avg60=0.00 avg300=0.00 total=0

01-10 11:38:22.564 1482 2697 E ActivityManager: ----- End output from /proc/pressure/memory -----

01-10 11:38:22.564 1482 2697 E ActivityManager:

01-10 11:38:22.564 1482 2697 E ActivityManager: CPU usage from 9140ms to 636ms ago (2023-01-10 11:38:12.028 to 2023-01-10 11:38:20.532):

01-10 11:38:22.564 1482 2697 E ActivityManager: 16% 1540/irq/395-atmel_m: 0% user + 16% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 2.5% 351/kworker/0:3+events: 0% user + 2.5% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.4% 1174/cnss_diag: 0.2% user + 0.2% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.2% 1482/system_server: 0.1% user + 0.1% kernel / faults: 37 minor

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 9/ksoftirqd/0: 0% user + 0.1% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0% 29/ksoftirqd/2: 0% user + 0% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0% 78/kworker/5:1-sock_diag_events: 0% user + 0% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 336/kworker/u16:11-kverityd: 0% user + 0.1% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0% 345/kworker/0:2-pm: 0% user + 0% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 467/kworker/u16:15-kverityd: 0% user + 0.1% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 500/logd: 0% user + 0.1% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 680/kworker/u17:12-pil_workqueue: 0% user + 0.1% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 683/kworker/u17:15-kgsd-events: 0% user + 0.1% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 829/[android.hardware.wifi@1.0-service](#): 0.1% user + 0% kernel / faults: 195 minor

01-10 11:38:22.564 1482 2697 E ActivityManager: 0% 1189/selfinstaller: 0% user + 0% kernel

01-10 11:38:22.564 1482 2697 E ActivityManager: 0.1% 2072/com.android.networkstack.process: 0.1% user + 0% kernel / faults: 132 minor

01-10 11:38:22.564 1482 2697 E ActivityManager: 0% 2294/com.android.se: 0% user + 0% kernel / faults: 14 minor

01-10 11:38:22.564 1482 2697 E ActivityManager: 3.4% TOTAL: 0% user + 1.9% kernel + 1.3% irq + 0% softirq
01-10 11:38:22.564 1482 2697 E ActivityManager: CPU usage from 8ms to 293ms later (2023-01-10 11:38:21.176 to 2023-01-10 11:38:21.461):
01-10 11:38:22.564 1482 2697 E ActivityManager: 13% 1540/irq/395-atmel_m: 0% user + 13% kernel
01-10 11:38:22.564 1482 2697 E ActivityManager: 8.9% 1482/system_server: 0% user + 8.9% kernel / faults: 132 minor
01-10 11:38:22.564 1482 2697 E ActivityManager: 8.9% 2697/AnrConsumer: 4.4% user + 4.4% kernel
01-10 11:38:22.564 1482 2697 E ActivityManager: 3.8% 351/kworker/0:3+events: 0% user + 3.8% kernel
01-10 11:38:22.564 1482 2697 E ActivityManager: 8.3% TOTAL: 1.3% user + 5.7% kernel + 1.3% irq
01-10 11:38:22.565 1482 2697 D ActivityManager: Completed ANR of com.android.systemui in 1397ms, latency 0ms
-->ANR发生时间段, cpu占用良好

```
public class SystemUIAuxiliaryDumpService extends Service {  
    private final DumpHandler mDumpHandler;  
  
    @Inject  
    public SystemUIAuxiliaryDumpService(DumpHandler dumpHandler) {  
        mDumpHandler = dumpHandler;  
    }  
  
    @Override  
    public IBinder onBind(Intent intent) {  
        return null;  
    }  
  
    @Override  
    protected void dump(FileDescriptor fd, PrintWriter pw, String[] args) {  
        // Simulate the NORMAL priority arg being passed to us  
        mDumpHandler.dump(  
            fd,  
            pw,  
            new String[] { DumpHandler.PRIORITY_ARG, DumpHandler.PRIORITY_ARG_NORMAL });  
    }  
}
```

-->SystemUIAuxiliaryDumpService服务本身, 仅为dump信息服务, 无额外操作

-
- ①ANR发生时间段, CPU占用率良好
 - ②SystemUIAuxiliaryDumpService服务本身, 仅为dump信息服务, 无额外操作, 本身设计不存在问题, 不存在优化空间

结合上述观点

SystemUIAuxiliaryDumpService做dump操作时涉及到IO操作, 怀疑此时IO阻塞, 导致dump操作被block引起ANR
请帮助检查产生ANR(01-10 11:38:00 -> 01-10 11:38:21)时间段内的系统IO状态, 非常感谢

#5 - 2023-02-02 19:42 - CD FW 曹覃刚

- Status changed from ASSIGNED to NEED_INFO
- Assignee changed from CD SYSTEM-胡兵 to 移动测试一组_CDTs 刘强
- Need_Info changed from -- to TEST
- Root cause set to 无法复现, 缺少日志

Hi 强哥

如飞书沟通

当前研发无法复现此问题, 且提供的日志, 无有效发现

请帮助跟踪此问题, 如再次复现, 请帮忙关注复现条件, 以及提供新的日志
非常感谢

#6 - 2023-02-06 20:14 - 移动测试一组_CDTS 刘强

验证版本：FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.X101.202302060240
验证结果：未复现，继续跟踪

#7 - 2023-02-27 18:10 - SZTS_TEST 邹涛

FlatBuild_HH_VX1_MCE_FSE.M.R.user.01.00.0077.X101

验证80次未复现

#8 - 2023-03-01 14:30 - SZTS_TEST 邹涛

FlatBuild_HH_MCE_FSE.M.R.user.01.00.0078.C101.zip

验证32次未复现

#9 - 2023-03-03 18:21 - CDTS_TEST 王成

- Priority changed from Normal to High
- Severity changed from Normal to Major

#10 - 2023-03-13 17:23 - 移动测试一组_CDTS 刘强

- Status changed from NEED_INFO to RESOLVED

压测超过200次未复现，暂时关闭，等新的开机动画合入后，重新验证测试

#11 - 2023-03-13 17:23 - 移动测试一组_CDTS 刘强

- Status changed from RESOLVED to VERIFIED

#12 - 2023-03-13 17:23 - 移动测试一组_CDTS 刘强

- Status changed from VERIFIED to CLOSED

#13 - 2023-04-24 13:42 - CDTS_TEST 王成

- Status changed from CLOSED to New
- Assignee changed from 移动测试一组_CDTS 刘强 to CD TPM-王祥林

麻烦看看这个BUG是否需要再次跟踪处理

#14 - 2023-05-05 00:10 - CD TPM-王祥林

- Status changed from New to RESOLVED
- Assignee changed from CD TPM-王祥林 to CDTS_TEST 王成

新版本已经删除了原来的视频开机动画，问题出现的场景不存在了，可以关闭这个问题。后续发现新开机动画的问题另外提bug。

#15 - 2023-05-06 18:27 - CD TPM-王祥林
- Resolution changed from -- to FIXED

#16 - 2023-05-23 16:22 - CDTS_TEST 王成
- Status changed from RESOLVED to VERIFIED

开机动画需求已变更

#17 - 2023-05-23 16:23 - CDTS_TEST 王成
- Status changed from VERIFIED to CLOSED

Files				
开机动画卡死_01.00.X101_20230110.zip	5.65 MB	2023-01-16	移动测试一组_CDTs 刘强	
中科创达软件股份有限公司20230116-165332.jpg	142 KB	2023-01-16	移动测试一组_CDTs 刘强	