

Figure - Bug #118571  
IOVDEV-32876【内部】【VC1】【0106】【台架】【EE环境】【副屏】【设置】副屏冻屏五分钟左右自动恢复了  
2023-06-06 14:15 - CD TEST-方永红

|                                                                                                                                                                                                                                                                                                   |             |                   |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|------------|
| Status:                                                                                                                                                                                                                                                                                           | CLOSED      | Start date:       | 2023-06-06 |
| Priority:                                                                                                                                                                                                                                                                                         | High        | Due date:         |            |
| Assignee:                                                                                                                                                                                                                                                                                         | CD TEST-方永红 | % Done:           | 0%         |
| Category:                                                                                                                                                                                                                                                                                         | 冻屏          | Estimated time:   | 0.00 hour  |
| Target version:                                                                                                                                                                                                                                                                                   |             |                   |            |
| Need_Info:                                                                                                                                                                                                                                                                                        | --          | Found Version:    | 0106       |
| Resolution:                                                                                                                                                                                                                                                                                       | DUPLICATE   | Degrated:         | --         |
| Severity:                                                                                                                                                                                                                                                                                         | Critical    | Verified Version: |            |
| Reproducibility:                                                                                                                                                                                                                                                                                  | Every time  | Fixed Version:    |            |
| Test Type:                                                                                                                                                                                                                                                                                        | ST          | Root cause:       |            |
| Description                                                                                                                                                                                                                                                                                       |             |                   |            |
| 环境信息】EE环境<br>【问题出现时间】：20230606 13：53<br>【前提条件】：副屏上电，中控已连接<br>【操作步骤】<br>1.无任何操作<br><br>【实际结果】<br>1.副屏冻屏五分钟左右自动恢复了<br>【期望结果】<br>1.副屏不会冻屏、花屏、黑屏现象<br><br>【备注】：<br>【当前开机次数】：156<br>【应用版本】：<br>【硬件版本号】：<br><br>【VIN】HRYTTESTVINMGM401<br>【中控版本号】：03.02.0088.C103<br><br>【副屏版本号】：01.00.0106（01.00.0104） |             |                   |            |
| Related issues:                                                                                                                                                                                                                                                                                   |             |                   |            |
| Related to Figure - Bug # 118602: IOVDEV-33092【内部】【VC1】【0...                                                                                                                                                                                                                                      |             | CLOSED            | 2023-06-07 |
| Related to Figure - Bug # 118631: 【AF】【EVT3】【实车】系统卡顿，tlo...                                                                                                                                                                                                                                       |             | RESOLVED          | 2023-06-07 |

History

#1 - 2023-06-06 14:16 - CD TEST-方永红

[ftp://cdiot@192.168.87.46/Pre\\_figure/Test\\_Log/118571](ftp://cdiot@192.168.87.46/Pre_figure/Test_Log/118571)

#2 - 2023-06-06 17:51 - CD FW 曹覃刚

■ 我的分析  
anr\_2023-06-06-13-53-33-909  
13:53 微信发生ANR

anr\_2023-06-06-13-55-20-999

anr\_2023-06-06-13-54-20-940

13:54 SYSTEM\_SERVER发生ANR,系统重启,恢复正常

SYSTEM\_SERVER的ANR, block在下面这个地方, 起activity时去获取wakelock,一直获取不到, locked资源一直没释放, block了主线程, 导致system\_server发生了anr

```
-----
"Binder:1496_15" prio=5 tid=155 Native | group="main" sCount=1 ucsCount=0 flags=1 obj=0x13a89450 self=0xb400007d7f7ef300 | sysTid=4063 nice=-10 cgrp=default
sched=0/0 handle=0x7aff94bcb0 | state=S schedstat=( 3651753225 319404349 5696 ) utm=259 stm=105 core=4 HZ=100 | stack=0x7aff854000-0x7aff856000
stackSize=991KB | held mutexes=
  native: #00 pc 00000000000a1c88 /apex/com.android.runtime/lib64/bionic/libc.so (_ioctl+8)
  native: #01 pc 000000000005b8d4 /apex/com.android.runtime/lib64/bionic/libc.so (ioctl+156)
  native: #02 pc 00000000000666e4 /system/lib64/libhidlbase.so (android::hardware::IPCThreadState::transact(int, unsigned int, android::hardware::Parcel const&,
android::hardware::Parcel*, unsigned int)+424)
  native: #03 pc 00000000000663dc /system/lib64/libhidlbase.so (android::hardware::BpHwBinder::transact(unsigned int, android::hardware::Parcel const&,
android::hardware::Parcel*, unsigned int, std::_1::function<void (android::hardware::Parcel&)>)+80)
  native: #04 pc 000000000000e5d0 /system/lib64/android.system.suspend@1.0.so
(android::system::suspend::V1_0::BpHwSystemSuspend::_hidl_acquireWakeLock(android::hardware::IInterface*, android::hardware::details::HidlInstrumentor*,
android::system::suspend::V1_0::WakeLockType, android::hardware::hidl_string const&)+308)
  native: #05 pc 0000000000003188 /system/lib64/libhardware_legacy.so (acquire_wake_lock+360)
  native: #06 pc 00000000000984a4 /system/lib64/libandroid_servers.so (android::nativeAcquireSuspendBlocker(_JNIEnv*, _jclass*, _jstring*)+68)
at com.android.server.power.PowerManagerService.nativeAcquireSuspendBlocker(Native method)
at com.android.server.power.PowerManagerService.access$1200(PowerManagerService.java:139)
at com.android.server.power.PowerManagerService$NativeWrapper.nativeAcquireSuspendBlocker(PowerManagerService.java:799)
at com.android.server.power.PowerManagerService$SuspendBlockerImpl.acquire(PowerManagerService.java:5048)
- locked <0x0c054105> (a com.android.server.power.PowerManagerService$SuspendBlockerImpl)
at com.android.server.power.PowerManagerService.updateSuspendBlockerLocked(PowerManagerService.java:3413)
at com.android.server.power.PowerManagerService.updatePowerStateLocked(PowerManagerService.java:2170)
at com.android.server.power.PowerManagerService.acquireWakeLockInternal(PowerManagerService.java:1417)
- locked <0x05f98b91> (a java.lang.Object)
at com.android.server.power.PowerManagerService.access$4600(PowerManagerService.java:139)
at com.android.server.power.PowerManagerService$BinderService.acquireWakeLock(PowerManagerService.java:5175)
at android.os.PowerManager$WakeLock.acquireLocked(PowerManager.java:2720)
at android.os.PowerManager$WakeLock.acquire(PowerManager.java:2686)
- locked <0x06ea655a> (a android.os.Binder)
at com.android.server.wm.ActivityTaskSupervisor.acquireLaunchWakelock(ActivityTaskSupervisor.java:1340)
at com.android.server.wm.Task.startPausingLocked(Task.java:5877)
at com.android.server.wm.Task.startPausingLocked(Task.java:5765)
at com.android.server.wm.TaskDisplayArea.lambda$pauseBackTasks$6(TaskDisplayArea.java:1533)
at com.android.server.wm.TaskDisplayArea$$ExternalSyntheticLambda4.accept(unavailable:-1)
at com.android.server.wm.Task.forAllLeafTasks(Task.java:3920)
at com.android.server.wm.WindowContainer.forAllLeafTasks(WindowContainer.java:1748)
at com.android.server.wm.TaskDisplayArea.pauseBackTasks(TaskDisplayArea.java:1526)
at com.android.server.wm.Task.resumeTopActivityInnerLocked(Task.java:6374)
at com.android.server.wm.Task.resumeTopActivityUncheckedLocked(Task.java:6212)
at com.android.server.wm.RootWindowContainer.resumeFocusedTasksTopActivities(RootWindowContainer.java:2436)
at com.android.server.wm.ActivityStarter.startActivityInner(ActivityStarter.java:1836)
at com.android.server.wm.ActivityStarter.startActivityUnchecked(ActivityStarter.java:1576)
at com.android.server.wm.ActivityStarter.executeRequest(ActivityStarter.java:1183)
at com.android.server.wm.ActivityStarter.execute(ActivityStarter.java:671)
- locked <0x04dee350> (a com.android.server.wm.WindowManagerGlobalLock)
at com.android.server.wm.ActivityTaskManagerService.startActivityAsUser(ActivityTaskManagerService.java:1229)
at com.android.server.wm.ActivityTaskManagerService.startActivityAsUser(ActivityTaskManagerService.java:1201)
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at com.android.server.wm.ActivityTaskManagerService.startActivity(ActivityTaskManagerService.java:1150)  
at android.app.IActivityTaskManager\$Stub.onTransact(IActivityTaskManager.java:920)  
at com.android.server.wm.ActivityTaskManagerService.onTransact(ActivityTaskManagerService.java:5074)  
at android.os.Binder.execTransactInternal(Binder.java:1179)  
at android.os.Binder.execTransact(Binder.java:1143)  
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■ 下一步计划

需要调查，起activity时获取wakelock一直没反应的原因

#3 - 2023-06-07 17:29 - CD FW 曹覃刚  
- Assignee changed from CD FW 曹覃刚 to CD FW 王武军

#4 - 2023-06-07 19:17 - CD FW 王武军  
- Assignee changed from CD FW 王武军 to CD FW 曹覃刚

6月7日进展

1、基本信息

第一次出现anr是在13:53:34，是微信应用出现了anr，anr的原因是卡在界面绘制的方法中；  
第二次出现anr是在13:54:20，是system\_server出现anr，anr的原因是卡在了PowerManagerService.nativeAcquireSuspendBlocker的native方法。  
system\_server的anr触发了watchdog超时，导致系统重启了。

从两个方向展开调查：

1) 在微信发生anr时，系统的状态

分析了13:49:50.785-13:53:34这个时间段的日志，发现在一段时间范围内

a) tlogdshc service的不断重启和被杀，日志如下：

06-06 13:50:50.788 0 0 I [12427.187916] init: processing action (sys.tlog.tlogdshc.active=1) from (/system/etc/init/tlogd.rc:195)  
06-06 13:50:50.792 0 0 I [12427.188598] init: starting service 'tlogdshc'...  
06-06 13:50:50.892 0 0 I [12427.288660] init: Service 'tlogdshc' (pid 6675) exited with status 0 oneshot service took 0.095000 seconds in background  
06-06 13:50:50.892 0 0 I [12427.288683] init: Sending signal 9 to service 'tlogdshc' (pid 6675) process group...  
06-06 13:50:50.892 0 0 I [12427.288824] libprocessgroup: Successfully killed process cgroup uid 0 pid 6675 in 0ms

b) 微信启动存在超时被杀的情况

06-06 13:53:23.795 1496 1620 W ActivityManager: Process ProcessRecord{933c084 7309:com.tencent.mm:opengl\_detector/u0a99} failed to attach  
06-06 13:53:23.795 1496 1620 I am\_process\_start\_timeout: [0,7309,10099,com.tencent.mm:opengl\_detector]  
06-06 13:53:23.795 1496 1620 W ActivityManager: Forcing bringing down service: ServiceRecord{2c3e7bf u0 com.tencent.mm/com.tencent.matrix.openglleak.detector.OpenglIndexDetectorService}  
06-06 13:53:23.795 1496 1620 I ActivityManager: Killing 7309:com.tencent.mm:opengl\_detector/u0a99 (adj -10000): start timeout  
06-06 13:53:23.795 1496 1620 I am\_kill : [0,7309,com.tencent.mm:opengl\_detector,-10000,start timeout]  
06-06 13:53:23.795 1496 1625 I libprocessgroup: Successfully killed process cgroup uid 10099 pid 7309 in 0ms

c) 出现anr时 hht\_ota\_mgr event\_loop 服务和进程cpu暂用率很高

06-06 13:54:03.416 1496 7414 E ActivityManager: CPU usage from 10210ms to 25667ms later (2023-06-06 13:53:43.700 to 2023-06-06 13:53:59.157):  
06-06 13:54:03.416 1496 7414 E ActivityManager: 99% 2763/hht\_ota\_mgr: 40% user + 59% kernel  
06-06 13:54:03.416 1496 7414 E ActivityManager: 18% TOTAL: 7.7% user + 11% kernel

06-06 13:54:03.416 1496 7414 E ActivityManager: CPU usage from 62ms to 404ms later (2023-06-06 13:53:33.552 to 2023-06-06 13:53:33.895):  
06-06 13:54:03.416 1496 7414 E ActivityManager: 100% 2763/hht\_ota\_mgr: 36% user + 64% kernel  
06-06 13:54:03.416 1496 7414 E ActivityManager: 104% 2773/event\_loop: 40% user + 64% kernel  
06-06 13:54:03.416 1496 7414 E ActivityManager: 18% TOTAL: 7.7% user + 11% kernel

小结：从微信anr前的一段时间来看，tlogdshc和hht\_ota\_mgr的异常表现可能会对系统性能造成影响，需要相关的组跟进分析

## 2) system\_server的anr发生的根本原因

从PowerManagerService.nativeAcquireSuspendBlocker方法展开，该方法的周边逻辑是否存在耗时和阻塞的情况（目前还未具体展开）

## 2、下一步

从PowerManagerService.nativeAcquireSuspendBlocker方法展开分析

#5 - 2023-06-07 19:18 - CD FW王武军

- Assignee changed from CD FW 曹覃刚 to CD FW王武军

#6 - 2023-06-07 21:44 - CD FW 曹覃刚

a) tlogdshc service的不断重启和被杀，日志如下：

```
06-06 13:50:50.788 0 0 I [12427.187916] init: processing action (sys.tlog.tlogdshc.active=1) from (/system/etc/init/tlogd.rc:195)
06-06 13:50:50.792 0 0 I [12427.188598] init: starting service 'tlogdshc'...
06-06 13:50:50.892 0 0 I [12427.288660] init: Service 'tlogdshc' (pid 6675) exited with status 0 oneshot service took 0.095000 seconds in background
06-06 13:50:50.892 0 0 I [12427.288683] init: Sending signal 9 to service 'tlogdshc' (pid 6675) process group...
06-06 13:50:50.892 0 0 I [12427.288824] libprocessgroup: Successfully killed process cgroup uid 0 pid 6675 in 0ms
```

已新建任务 #118631 给system组的同学

#7 - 2023-06-08 18:20 - CD FW王武军

## 6月8日最新进展

关于PowerManagerService.nativeAcquireSuspendBlocker卡主的问题与118602问题一样，在118602有问题的更新。

#8 - 2023-06-13 16:17 - CD FW 曹覃刚

- Status changed from New to RESOLVED

- Assignee changed from CD FW王武军 to CD TEST-方永红

- Resolution changed from -- to DUPLICATE

## 转JIRA跟踪

#9 - 2023-07-25 16:17 - CD TEST-方永红

- Status changed from RESOLVED to VERIFIED

7.25

客户已关闭，同步关闭

#10 - 2023-07-25 16:17 - CD TEST-方永红  
- Status changed from VERIFIED to CLOSED

| Files         |         |            |             |
|---------------|---------|------------|-------------|
| video(27).mp4 | 4.41 MB | 2023-06-06 | CD TEST-方永红 |