

Status:	CLOSED	Start date:	2023-06-08
Priority:	Urgent	Due date:	
Assignee:	CDTS_Test 吴诗雨	% Done:	0%
Category:	冻屏	Estimated time:	0.00 hour
Target version:		Found Version:	副屏：01.00.0106.C104
Need_Info:	--	Degrated:	--
Resolution:	DUPLICATE	Verified Version:	
Severity:	Critical	Fixed Version:	
Reproducibility:	Rarely	Root cause:	
Test Type:	ST		
Description			
【环境信息】EE环境 【问题出现时间】：2023-06-08 10:31 【开机次数】：第275次 【前提条件】： 1.副屏上电 2.下载并安装王者荣耀、火影忍者、原神 3.控制中心打开录屏 【问题操作步骤】： 1.将三个游戏拖拽至同一个文件夹内 2.依次打开游戏 【实际结果】：王者荣耀图标放大居中白屏无响应，原神和火影忍者图标放大居中黑屏无响应 【期望结果】：正常打开游戏并加载游戏，设备正常运行，流畅不卡顿 【备注】：启动游戏无响应与网络因素无关，与应用本身也无关，三个游戏应用同时无响应 台架实时Log地址：https://ofs.human-horizons.com/#/download/index/yikAOEt67Xs%3D 台架历史Log地址：https://ofs.human-horizons.com/#/download/index/CVzi0kg1KPg%3D 台架视频地址：https://ofs.human-horizons.com/#/download/index/3N110eqQgQU%3D 【影响版本】：副屏：01.00.0106.C104 【VIN】：HRYTTESTVINMGM400 【硬件版本号】：/ 【是否能恢复】：			
Related issues:			
Duplicated by Figure - Bug # 118622: 【AF】【EVT3】【实车】系统卡顿		CLOSED	2023-06-07

History

- #1 - 2023-06-08 15:40 - CDTs_Test 吴诗雨
- ftp://cdiot@192.168.87.46/Pre_figure/Test_Log/118646
- #2 - 2023-06-08 15:58 - CDTs-TEST 周婷

- Category set to 黑屏

#3 - 2023-06-08 15:58 - CDTs-TEST 周婷

- Category changed from 黑屏 to 冻屏

#4 - 2023-06-08 19:21 - CD FW 曹覃刚

- Status changed from New to ASSIGNED

- Assignee changed from CD FW 曹覃刚 to CD FW 郑雷

■ 我的分析

启动这几个游戏超时了，然后进程被杀，所以一直没起起来

06-08 10:32:00.550 681 681 D Zygote : Forked child process 13309
06-08 10:32:00.552 1566 1677 I am_proc_start:
[0,13309,10112,com.tencent.tmgp.sgame,pre-top-activity,{com.tencent.tmgp.sgame/com.tencent.tmgp.sgame.SGameActivity}}
06-08 10:32:00.552 1566 1677 I ActivityManager: Start proc 13309:com.tencent.tmgp.sgame/u0a112 for pre-top-activity
{com.tencent.tmgp.sgame/com.tencent.tmgp.sgame.SGameActivity}
06-08 10:32:10.526 1566 1668 W ActivityTaskManager: Launch timeout has expired, giving up wake lock!
//giving up wake lock, 似乎与 #118602 有关联
06-08 10:32:10.553 1566 1676 W ActivityManager: Process ProcessRecord{350383 13309:com.tencent.tmgp.sgame/u0a112} failed to attach
06-08 10:32:10.553 1566 1676 I am_process_start_timeout: [0,13309,10112,com.tencent.tmgp.sgame]
06-08 10:32:10.554 1566 1676 I ActivityManager: Killing 13309:com.tencent.tmgp.sgame/u0a112 (adj -10000): start timeout
06-08 10:32:10.554 1566 1676 I am_kill : [0,13309,com.tencent.tmgp.sgame,-10000,start timeout]
06-08 10:32:10.554 1566 1678 I libprocessgroup: Successfully killed process cgroup uid 10112 pid 13309 in 0ms
//启动王者荣耀进程，启动超时被杀

06-08 10:32:20.828 681 681 D Zygote : Forked child process 13352
06-08 10:32:20.829 1566 1677 I am_proc_start:
[0,13352,10112,com.tencent.tmgp.sgame,top-activity,{com.tencent.tmgp.sgame/com.tencent.tmgp.sgame.SGameActivity}}
06-08 10:32:20.829 1566 1677 I ActivityManager: Start proc 13352:com.tencent.tmgp.sgame/u0a112 for top-activity
{com.tencent.tmgp.sgame/com.tencent.tmgp.sgame.SGameActivity}
06-08 10:32:30.816 1566 1676 W ActivityManager: Process ProcessRecord{61fc4ad 13352:com.tencent.tmgp.sgame/u0a112} failed to attach
06-08 10:32:30.816 1566 1676 I am_process_start_timeout: [0,13352,10112,com.tencent.tmgp.sgame]
06-08 10:32:30.817 1566 1676 I ActivityManager: Killing 13352:com.tencent.tmgp.sgame/u0a112 (adj -10000): start timeout
06-08 10:32:30.817 1566 1676 I am_kill : [0,13352,com.tencent.tmgp.sgame,-10000,start timeout]
06-08 10:32:30.818 1566 1678 I libprocessgroup: Successfully killed process cgroup uid 10112 pid 13352 in 0ms
//启动王者荣耀进程，启动超时被杀

06-08 10:32:23.041 681 681 D Zygote : Forked child process 13370
06-08 10:32:23.041 1566 1677 I am_proc_start:
[0,13370,10110,com.miHoYo.Yuanshen,pre-top-activity,{com.miHoYo.Yuanshen/com.miHoYo.GetMobileInfo.MainActivity}}
06-08 10:32:23.041 1566 1677 I ActivityManager: Start proc 13370:com.miHoYo.Yuanshen/u0a110 for pre-top-activity
{com.miHoYo.Yuanshen/com.miHoYo.GetMobileInfo.MainActivity}
06-08 10:32:33.026 1566 1676 W ActivityManager: Process ProcessRecord{5ed45c0 13370:com.miHoYo.Yuanshen/u0a110} failed to attach
06-08 10:32:33.026 1566 1676 I am_process_start_timeout: [0,13370,10110,com.miHoYo.Yuanshen]
06-08 10:32:33.026 1566 1676 I ActivityManager: Killing 13370:com.miHoYo.Yuanshen/u0a110 (adj -10000): start timeout
06-08 10:32:33.026 1566 1676 I am_kill : [0,13370,com.miHoYo.Yuanshen,-10000,start timeout]
06-08 10:32:33.026 1566 1678 I libprocessgroup: Successfully killed process cgroup uid 10110 pid 13370 in 0ms
//启动原神进程，启动超时被杀

06-08 10:32:32.849 681 681 D Zygote : Forked child process 13406
06-08 10:32:32.850 1566 1677 I am_proc_start:

```
[0,13406,10096,com.tencent.KiHan,pre-top-activity,{com.tencent.KiHan/com.tencent.gcloud.msdk.core.policy.MSDKPolicyActivity}}
06-08 10:32:32.850 1566 1677 I ActivityManager: Start proc 13406:com.tencent.KiHan/u0a96 for pre-top-activity
{com.tencent.KiHan/com.tencent.gcloud.msdk.core.policy.MSDKPolicyActivity}
06-08 10:32:42.852 1566 1676 W ActivityManager: Process ProcessRecord{5c4b174 13406:com.tencent.KiHan/u0a96} failed to attach
06-08 10:32:42.852 1566 1676 I am_process_start_timeout: [0,13406,10096,com.tencent.KiHan]
06-08 10:32:42.853 1566 1676 I ActivityManager: Killing 13406:com.tencent.KiHan/u0a96 (adj 10000): start timeout
06-08 10:32:42.853 1566 1676 I am_kill: [0,13406,com.tencent.KiHan,-10000,start timeout]
06-08 10:32:42.854 1566 1678 I libprocessgroup: Successfully killed process cgroup uid 10096 pid 13406 in 0ms
06-08 10:35:26.302 681 681 I Zygote : Process 13406 exited due to signal 9 (Killed)
//启动火影进程，启动超时被杀
-----
```

■ 下一步计划

检查启动超时原因，目前看，似乎与 #118602 有关联

#5 - 2023-06-09 19:53 - CD FW 郑雷

[当前分析]

1.从视频从能看到王者荣耀、火影忍者、原神等app打开失败

分析log：

1.关于王者荣耀、火影忍者、原神 app打开失败的log：

```
06-08 10:33:03.766 681 681 D Zygote : Forked child process 13504
06-08 10:33:03.766 1566 1677 I am_proc_start:
[0,13504,10096,com.tencent.KiHan,pre-top-activity,{com.tencent.KiHan/com.tencent.gcloud.msdk.core.policy.MSDKPolicyActivity}}
06-08 10:33:03.767 1566 1677 I ActivityManager: Start proc 13504:com.tencent.KiHan/u0a96 for pre-top-activity
{com.tencent.KiHan/com.tencent.gcloud.msdk.core.policy.MSDKPolicyActivity}
.....
06-08 10:33:03.931 845 845 W SDM : HWCDisplay::GetHWCLayer: [0] GetLayer(612) failed: no such layer
06-08 10:33:03.935 1002 1002 W HwcComposer: command 0x3000000 generated error 3
06-08 10:33:04.535 1890 2590 D CCodecBufferChannel: [c2.android.aac.encoder#836] DEBUG: elapsed: n=4 [in=0 pipeline=0 out=0]
06-08 10:33:04.535 1890 2590 D PipelineWatcher: DEBUG: elapsed 0 / 4
.....
06-08 10:33:08.950 1566 1676 W ActivityManager: Process ProcessRecord{e1c0c39 13475:com.tencent.tmgp.sgame/u0a112} failed to attach
06-08 10:33:08.950 1566 1676 I am_process_start_timeout: [0,13475,10112,com.tencent.tmgp.sgame]
06-08 10:33:08.950 1566 1676 I am_uid_stopped: 10112
06-08 10:33:08.951 1566 1676 I ActivityManager: Killing 13475:com.tencent.tmgp.sgame/u0a112 (adj -10000): start timeout
06-08 10:33:08.951 1566 1676 I am_kill : [0,13475,com.tencent.tmgp.sgame,-10000,start timeout]
```

当启动目标Activity前，会先pause当前正显示的Activity，之后才显示目标Activity。在startPausingLocked()方法中会获取LaunchWakelock，并设置超时监听

```
final boolean startPausingLocked(boolean userLeaving, boolean uiSleeping,
ActivityRecord resuming, String reason) {
```

```
.....
// If we are not going to sleep, we want to ensure the device is
// awake until the next activity is started.
if (!uiSleeping && !mAtmService.isSleepingOrShuttingDownLocked()) {
mTaskSupervisor.acquireLaunchWakelock();
}
.....
}
```

通过mHandler发送延迟消息的方式来进行超时设置，what为LAUNCH_TIMEOUT_MSG，LAUNCH_TIMEOUT为10s

```

void acquireLaunchWakelock() {
    if (VALIDATE_WAKE_LOCK_CALLER && Binder.getCallingUid() != Process.myUid()) {
        throw new IllegalStateException("Calling must be system uid");
    }
    mLaunchingActivityWakeLock.acquire();
    if (!mHandler.hasMessages(LAUNCH_TIMEOUT_MSG)) {
        // To be safe, don't allow the wake lock to be held for too long.
        mHandler.sendMessageDelayed(LAUNCH_TIMEOUT_MSG, LAUNCH_TIMEOUT);
    }
}

```

在ActivityStackSupervisorHandler的handleMessage方法的LAUNCH_TIMEOUT_MSG消息

```

public void handleMessage(Message msg) {
    switch (msg.what) {
    case LAUNCH_TIMEOUT_MSG: {
        if (mLaunchingActivityWakeLock.isHeld()) {
            Slog.w(TAG, "Launch timeout has expired, giving up wake lock!");
            if (VALIDATE_WAKE_LOCK_CALLER
                && Binder.getCallingUid() != Process.myUid()) {
                throw new IllegalStateException("Calling must be system uid");
            }
            //释放锁
            mLaunchingActivityWakeLock.release();
        }
        break;
    }
    // . . .
    }
}

```

在目标Activity启动完成后，AMS会移除LAUNCH_TIMEOUT_MSG消息。

com.tencent.KiHan 启动失败的原因是Activity启动超时，AMS kill 了进程。

06-08 10:33:03.931 845 845 W SDM : HWCDisplay::GetHWCLayer: [0] GetLayer(612) failed: no such layer

06-08 10:33:03.935 1002 1002 W HwcComposer: command 0x3000000 generated error 3

[下一步Action]

检查Activity启动是否因为composer-service（845）和surfaceflinger（1002）？

#6 - 2023-06-12 12:08 - CD FW 郑雷

[当前状态]

关于com.tencent.tmgp.sgame app启动失败的分析

从log中看，是从06-08 10:31:36.946启动com.tencent.tmgp.sgame app时，出现了启动进程超时，启动activity超时。

06-08 10:31:36.946 1566 8209 I ActivityTaskManager: START u0 {act=android.intent.action.MAIN cat=[android.intent.category.LAUNCHER] flg=0x10200000 cmp=com.tencent.tmgp.sgame/.SGameActivity bnds=[640,300][960,596]} from uid 10078

06-08 10:31:36.947 1566 1668 I EventSequenceValidator: inc AccIntentStartedEvents to 2

06-08 10:31:36.950 1566 8209 D ActivityTaskManager: TaskLaunchParamsModifier:task=null activity=ActivityRecord{8d0b2d6 u0

com.tencent.tmgp.sgame/.SGameActivity taskAffinity=10112:com.tencent.tmgp.sgame display-area-from-source=DefaultTaskDisplayArea@63632296 display-id=0 display-windowing-mode=1 suggested-display-area=DefaultTaskDisplayArea@63632296

06-08 10:31:36.952 1566 8209 E ANDR-PERF-JNI: com_qualcomm_qtipperformance_native_perf_io_prefetch_start

06-08 10:31:36.952 1566 8209 D ActivityTaskManager: TaskLaunchParamsModifier:task=null activity=ActivityRecord{8d0b2d6 u0

com.tencent.tmgp.sgame/.SGameActivity taskAffinity=10112:com.tencent.tmgp.sgame t-1} display-area-from-source=DefaultTaskDisplayArea@63632296 display-id=0

display-windowing-mode=1 suggested-display-area=DefaultTaskDisplayArea@63632296 inherit-from-source=fullscreen activity-options-fullscreen=Rect(0, 0 - 0, 0)
non-freeform-display display-area=DefaultTaskDisplayArea@63632296
06-08 10:31:36.952 1566 8209 I wm_task_created: [21126,-1]
06-08 10:31:36.953 1566 8209 W ActivityTaskManager: Can't find TaskDisplayArea to determine support for multi window. Task id=21126 attached=false
06-08 10:31:36.953 1566 8209 D ActivityTaskManager: TaskLaunchParamsModifier:task=Task{4762c44 #21126 type=standard A=10112:com.tencent.tmgp.sgame U=0 visible=false mode=fullscreen translucent=true sz=0 visible freeform task=true rootAffinity=10112:com.tencent.tmgp.sgame isMini=false} activity=ActivityRecord{8d0b2d6 u0 com.tencent.tmgp.sgame/.SGameActivity taskAffinity=10112:com.tencent.tmgp.sgame t-1} display-area-from-source=DefaultTaskDisplayArea@63632296 display-id=0
display-windowing-mode=1 suggested-display-area=DefaultTaskDisplayArea@63632296 inherit-from-source=fullscreen activity-options-fullscreen=Rect(0, 0 - 0, 0)
non-freeform-display display-area=DefaultTaskDisplayArea@63632296
06-08 10:31:36.954 848 3278 E ANDR-IOP: io prefetch is disabled
.....
06-08 10:31:36.955 1566 8209 I wm_task_moved: [21126,1,7]
06-08 10:31:36.955 1566 8209 I wm_task_to_front: [0,21126]
06-08 10:31:36.955 1566 8209 I wm_create_task: [0,21126]
06-08 10:31:36.956 1566 8209 I wm_create_activity: [0,147894998,21126,com.tencent.tmgp.sgame/.SGameActivity,android.intent.action.MAIN,NULL,NULL,270532608]
06-08 10:31:36.956 1566 8209 I wm_task_moved: [21126,1,7]
.....
06-08 10:31:36.956 1566 8209 D ActivityTrigger: ActivityTrigger activityPauseTrigger
06-08 10:31:36.957 1566 8209 I wm_pause_activity: [0,122113989,com.android.launcher3/.uioverrides.QuickstepLauncher,userLeaving=true,pauseBackTasks]
.....
06-08 10:31:36.959 2495 2495 I wm_on_paused_called: [122113989,com.android.launcher3.uioverrides.QuickstepLauncher,performPause]
06-08 10:31:36.961 1566 1668 I am_uid_running: 10112
.....
06-08 10:31:36.965 681 681 D Zygote : Forked child process 13236
06-08 10:31:36.966 1566 1677 I am_proc_start:
[0,13236,10112,com.tencent.tmgp.sgame,pre-top-activity,{com.tencent.tmgp.sgame/com.tencent.tmgp.sgame.SGameActivity}]
06-08 10:31:36.966 1566 1677 I ActivityManager: Start proc 13236:com.tencent.tmgp.sgame/u0a112 for pre-top-activity
{com.tencent.tmgp.sgame/com.tencent.tmgp.sgame.SGameActivity}
06-08 10:31:36.967 1566 13237 W ContextImpl: Calling a method in the system process without a qualified user: android.app.ContextImpl.sendBroadcast:1173
com.qualcomm.qti.Performance\$SendGameLaunchBroadcast.run:217 java.lang.Thread.run:920 <bottom of call stack> <bottom of call stack>
06-08 10:31:36.968 1566 8209 I ActivityTaskManager: FOREGROUND_APPLICATION_CHANGED to com.tencent.tmgp.sgame.SGameActivity
.....
06-08 10:31:37.145 845 845 W SDM : HwCDisplay::GetHWCLayer: [0] GetLayer(550) failed: no such layer
06-08 10:31:37.146 1002 1002 W HwcComposer: command 0x3000000 generated error 3
06-08 10:31:37.567 2646 2646 I auditd : type=1400 audit(0.0:454007307): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 W event_loop: type=1400 audit(0.0:454007307): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 I auditd : type=1400 audit(0.0:454007308): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 W event_loop: type=1400 audit(0.0:454007308): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 I auditd : type=1400 audit(0.0:454007309): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 W event_loop: type=1400 audit(0.0:454007309): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 I auditd : type=1400 audit(0.0:454007310): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 W event_loop: type=1400 audit(0.0:454007310): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 I auditd : type=1400 audit(0.0:454007311): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.567 2646 2646 W event_loop: type=1400 audit(0.0:454007311): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0

```

tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:37.573 0 0 W [ 1710.152049] audit: audit_lost=454565072 audit_rate_limit=5 audit_backlog_limit=64
06-08 10:31:37.573 0 0 E [ 1710.152051] audit: rate limit exceeded
.....
06-08 10:31:39.718 2495 2495 D RecentsViewStateController: setStateWithAnimationInternal: QuickSwitch
06-08 10:31:39.720 1566 12808 I wm_task_moved: [1,0,6]
06-08 10:31:39.721 1566 12808 I wm_add_to_stopping: [0,122113989,com.android.launcher3/.uioverrides.QuickstepLauncher,makeInvisible]
06-08 10:31:39.721 2495 2495 D BaseRecentsViewStateController: setStateWithAnimationInternal: scaleAndOffset: 4.576271 : 0.0
.....
06-08 10:31:39.787 660 674 I mpu_uart: [MSG-P:R]:recv sync frame timeout
06-08 10:31:39.931 845 845 W SDM : HWCDisplay::GetHWCLayer: [0] GetLayer(552) failed: no such layer
06-08 10:31:39.939 1002 1002 W HwcComposer: command 0x3000000 generated error 3
06-08 10:31:39.966 1566 1794 I commit_sys_config_file: [settings-1-0,5]
06-08 10:31:40.045 1566 1676 I am_uid_idle: 10034
06-08 10:31:40.579 2646 2646 I auditd : type=1400 audit(0.0:454821481): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 W event_loop: type=1400 audit(0.0:454821481): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 I auditd : type=1400 audit(0.0:454821482): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 W event_loop: type=1400 audit(0.0:454821482): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 I auditd : type=1400 audit(0.0:454821483): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 W event_loop: type=1400 audit(0.0:454821483): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 I auditd : type=1400 audit(0.0:454821484): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 W event_loop: type=1400 audit(0.0:454821484): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 I auditd : type=1400 audit(0.0:454821485): avc: denied { read } for comm="event_loop" lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.579 2646 2646 W event_loop: type=1400 audit(0.0:454821485): avc: denied { read } for lport=13400 scontext=u:r:hht_ota_mgr:s0
tcontext=u:r:hht_ota_mgr:s0 tclass=udp_socket permissive=0
06-08 10:31:40.585 0 0 E [ 1713.064822] [MAX975X: max96755x_vc1_lcd_dtc_check] ERROR DTC_Display: Invalid dtc data
06-08 10:31:40.585 0 0 W [ 1713.164059] audit: audit_lost=455379231 audit_rate_limit=5 audit_backlog_limit=64
06-08 10:31:40.585 0 0 E [ 1713.164065] audit: rate limit exceeded
06-08 10:31:40.633 0 0 I [ 1713.213352] [schedu][0x7abc1486a][10: 31:40.630410] wlan: [2707:I:PE] rrm_process_link_measurement_request: 275: Received Link
report frame with -48
06-08 10:31:40.633 0 0 W [ 1713.213418] [schedu][0x7abc14d9a][10: 31:40.630479] wlan: [2707:W:PE] lim_send_link_report_action_frame: 4575: RRM: Sending
Link Report to 08:79:8c:36:92:70 on vdev4
06-08 10:31:40.776 660 675 I mpu_uart: [MSG-P:RCV]:No message received in 1000 ms
06-08 10:31:40.816 1890 2600 D BufferPoolAccessor2.0: bufferpool2 0xb4000075592b16e8 : 4(8192 size) total buffers - 4(8192 size) used buffers - 1/5 (recycle/alloc) -
4/7808 (fetch/transfer)
06-08 10:31:41.249 1890 2590 D CCodecBufferChannel: [c2.android.aac.encoder#836] DEBUG: elapsed: n=4 [in=0 pipeline=0 out=0]
.....
06-08 10:31:44.579 1566 1805 I input_focus: [Focus entering eea4944 com.android.launcher3/com.android.launcher3.uioverrides.QuickstepLauncher
(server),reason=Window became focusable. Previous reason: NO_WINDOW]
06-08 10:31:44.583 2495 3123 E FrameEvents: updateAcquireFence: Did not find frame.
06-08 10:31:44.585 2495 3123 E FrameEvents: updateAcquireFence: Did not find frame.
06-08 10:31:44.586 2495 3123 E FrameEvents: updateAcquireFence: Did not find frame.
.....
06-08 10:31:44.795 845 845 W SDM : HWCDisplay::GetHWCLayer: [0] GetLayer(555) failed: no such layer

```

```

06-08 10:31:44.800 1002 1002 W HwcComposer: command 0x3000000 generated error 3
06-08 10:31:44.871 1566 1675 I LatencyTracker: ACTION_START_RECENTS_ANIMATION latency=74
06-08 10:31:44.871 1566 1675 I sysui_latency: [8,74]
06-08 10:31:45.166 2495 2495 D EditModeHelper: setHotseatVisibility: 0
06-08 10:31:45.170 2495 2495 D RecentsViewStateController: setState: Normal OverviewFullscreenProgress: 0.0
06-08 10:31:45.181 1566 2611 I wm_task_moved: [1,1,7]
06-08 10:31:45.182 1566 2611 I wm_task_moved: [21024,1,2147483647]
06-08 10:31:45.182 1566 2611 I wm_task_to_front: [0,21024]
06-08 10:31:45.182 1566 2611 I wm_focused_root_task: [0,0,1,21126,RecentsAnimation.onAnimationFinished()]
06-08 10:31:45.182 1566 2611 I wm_set_resumed_activity: [0,com.android.launcher3/.uioverrides.QuickstepLauncher,RecentsAnimation.onAnimationFinished()]
06-08 10:31:45.183 1566 2611 I ActivityTaskManager: FOREGROUND_APPLICATION_CHANGED to com.android.launcher3.uioverrides.QuickstepLauncher
06-08 10:31:45.187 1566 2611 I wm_set_resumed_activity: [0,com.android.launcher3/.uioverrides.QuickstepLauncher,resumeTopActivityInnerLocked]
06-08 10:31:45.188 1566 2611 I wm_add_to_stopping: [0,147894998,com.tencent.tmgp.sgame/.SGameActivity,makeInvisible]
06-08 10:31:45.191 1566 2611 I wm_resume_activity: [0,122113989,21024,com.android.launcher3/.uioverrides.QuickstepLauncher]
06-08 10:31:45.192 2495 2495 D Launcher: onResume start
06-08 10:31:45.192 2495 2495 D Launcher: onResume finish
06-08 10:31:45.192 2495 2495 I wm_on_resume_called: [122113989,com.android.launcher3.uioverrides.QuickstepLauncher,RESUME_ACTIVITY]
06-08 10:31:45.192 2495 2495 I wm_on_top_resumed_gained_called: [122113989,com.android.launcher3.uioverrides.QuickstepLauncher,topWhenResuming]
06-08 10:31:45.197 1566 2611 W InputManager-JNI: Input channel object '88b46ae Splash Screen com.tencent.tmgp.sgame (client)' was disposed without first being removed with the input manager!
06-08 10:31:45.202 1566 3223 W WindowManager: Failed looking up window session=Session{4c85108 1890:u0a10079}
callers=com.android.server.wm.WindowManagerService.windowForClientLocked:5628 com.android.server.wm.WindowManagerService.layoutWindow:2229
com.android.server.wm.Session.layout:235
06-08 10:31:45.203 1566 1668 I sysui_multi_action: [757,1144,758,7,806,com.tencent.tmgp.sgame,871,com.tencent.tmgp.sgame.SGameActivity]
.....
06-08 10:31:46.969 1566 1676 W ActivityManager: Process ProcessRecord{44763f3 13236:com.tencent.tmgp.sgame/u0a112} failed to attach
06-08 10:31:46.969 1566 1676 I am_process_start_timeout: [0,13236,10112,com.tencent.tmgp.sgame]
06-08 10:31:46.969 1566 1676 I am_uid_stopped: 10112
06-08 10:31:46.970 1566 1676 I ActivityManager: Killing 13236:com.tencent.tmgp.sgame/u0a112 (adj -10000): start timeout
06-08 10:31:46.970 1566 1676 I am_kill : [0,13236,com.tencent.tmgp.sgame,-10000,start timeout]
06-08 10:31:46.971 1566 1678 I libprocessgroup: Successfully killed process cgroup uid 10112 pid 13236 in 0ms

```

从开始启动进程，到超时是10s的时间。

进程超时的逻辑：

```

@GuardedBy("mService")
private boolean handleProcessStartedLocked(ProcessRecord pending,
    Process.ProcessStartResult startResult, long expectedStartSeq) {
    synchronized (mPidsSelfLocked) {
        this.mPidsSelfLocked.put(pid, app);
        // procAttached传入为false
        if (!procAttached) {
            // what为PROC_START_TIMEOUT_MSG
            Message msg = mHandler.obtainMessage(PROC_START_TIMEOUT_MSG);
            // obj为待启动进程对应的ProcessRecord
            msg.obj = app;
            // 发送延迟消息
            mHandler.sendMessageDelayed(msg, usingWrapper
                ? PROC_START_TIMEOUT_WITH_WRAPPER : PROC_START_TIMEOUT);
        }
    }
    checkTime(app.startTime, "startProcess: done updating pids map");
    return true;
}

```

ActivityManagerService的mHandler发送what=PROC_START_TIMEOUT_MSG的10s延迟消息。

超时的触发，在AMS的handleMessage中

```
public void handleMessage(Message msg) {
    switch (msg.what) {
        // . . .
        case PROC_START_TIMEOUT_MSG: {
            ProcessRecord app = (ProcessRecord)msg.obj;
            synchronized (ActivityManagerService.this) {
                processStartTimedOutLocked(app);
            }
        } break;
        // . . .
    }
}

@GuardedBy("this")
private final void processStartTimedOutLocked(ProcessRecord app) {
    final int pid = app.getPid();
    boolean gone = removePidIfNoThreadLocked(app);
    .....
}

*/

@GuardedBy("this")
private boolean removePidIfNoThreadLocked(ProcessRecord app) {
    final boolean removed;
    final int pid = app.getPid();
    synchronized (mPidsSelfLocked) {
        removed = mPidsSelfLocked.doRemoveIfNoThreadInternal(pid, app);
    }
    if (removed) {
        synchronized (sActiveProcessInfoSelfLocked) {
            sActiveProcessInfoSelfLocked.remove(pid);
        }
        mAtmInternal.onProcessUnMapped(pid);
    }
    return removed;
}

boolean doRemoveIfNoThreadInternal(int pid, ProcessRecord app) {
    if (app == null || app.getThread() != null) {
        return false;
    }
    return doRemoveInternal(pid, app);
}
```

从log中可以知道进程是创建成功的，存在ProcessRecord但是app.getThread（）返回空不存在IApplicationThread。

```
/** * The actual proc... may be null only if 'persistent' is true * (in which case we are in the process of launching the app).
*/

@CompositerWLock({"mService", "mProcLock"})
private IApplicationThread mThread;

@GuardedBy(anyOf = {"mService", "mProcLock"})
IApplicationThread getThread() {
    return mThread;
}
```

```

@GuardedBy({"mService", "mProcLock"})
public void makeActive(IApplicationThread thread, ProcessStatsService tracker) {
    // TODO(b/180501180): Add back this logging message.
    /*
    String seempStr = "app_uid=" + uid
        + ",app_pid=" + pid + ",oom_adj=" + curAdj
        + ",setAdj=" + setAdj + ",hasShownUi=" + (hasShownUi ? 1 : 0)
        + ",cached=" + (mCached ? 1 : 0)
        + ",fA=" + (mHasForegroundActivities ? 1 : 0)
        + ",fS=" + (mHasForegroundServices ? 1 : 0)
        + ",systemNoUi=" + (systemNoUi ? 1 : 0)
        + ",curSchedGroup=" + mCurSchedGroup
        + ",curProcState=" + getCurProcState() + ",setProcState=" + setProcState
        + ",killed=" + (killed ? 1 : 0) + ",killedByAm=" + (killedByAm ? 1 : 0)
        + ",isDebugging=" + (isDebugging() ? 1 : 0);
    android.util.SeempLog.record_str(386, seempStr);
    */
    mProfile.onProcessActive(thread, tracker);
    mThread = thread;
    mWindowProcessController.setThread(thread);
}

```

超时的取消

zygote进程fork出进程后，会进入进程的ActivityThread主线程，在ActivityThread中会调用attach()方法，在attach方法中会binder调用到AMS的attachApplication()方法

```

private void attach(boolean system, long startSeq) {
    final IActivityManager mgr = ActivityManager.getService();
    try {
        // 通过IActivityManager binder通信接口通知到AMS，最终调用到AMS的attachApplication方法。
        // 这里将IApplicationThread和启动序列号传给AMS，用于AMS向APP进程通信和AMS匹配启动的ProcessRecord。
        mgr.attachApplication(mAppThread, startSeq);
    } catch (RemoteException ex) {
        throw ex.rethrowFromSystemServer();
    }
}

```

在AMS的attachApplication方法中又调用attachApplicationLocked方法：

```

private final boolean attachApplicationLocked(IApplicationThread thread,
    int pid, int callingUid, long startSeq) {
    // . . .
    mHandler.removeMessages(PROC_START_TIMEOUT_MSG, app);
    // . . .
    // Make app active after binding application or client may be running requests (e.g
    // starting activities) before it is ready.
    synchronized (mProcLock) {
        app.makeActive(thread, mProcessStats);
        checkTime(startTime, "attachApplicationLocked: immediately after bindApplication");
    }
}

```

进程创建成功，但是进程的ActivityThread却没有正常的执行，没有正确执行attach。

关于attach失败的原因，查看是否有系统压力？

从log中看没有system_server进程重启之前的low memory和cpu的有效信息。

从bugreport-PassengerDisplay_CN-SKQ1.220201.001-2023-06-08-10-42-33.txt中可以看到watchdog异常，系统重启后的cpu信息，cpu的负载很高，hht_ota_mgr

占用的cpu比较高。

DUMP OF SERVICE CRITICAL cpuinfo:

Load: 8.84 / 9.43 / 6.74

CPU usage from 413736ms to 114380ms ago (2023-06-08 10:34:39.414 to 2023-06-08 10:40:40.202):

98% 2646/hht_ota_mgr: 39% user + 58% kernel
22% 14965/system_server: 14% user + 7.6% kernel / faults: 1002630 minor
15% 845/vendor.qti.hardware.display.composer-service: 10% user + 5.5% kernel / faults: 1233 minor
13% 1002/surfaceflinger: 9.1% user + 3.9% kernel / faults: 4612 minor
6.2% 15771/com.android.launcher3: 4.7% user + 1.5% kernel / faults: 160404 minor 1 major
5.3% 15179/com.android.systemui: 3.8% user + 1.5% kernel / faults: 111455 minor 1 major
2.5% 16203/com.android.providers.media.module: 1.2% user + 1.3% kernel / faults: 51228 minor
1.8% 16199/com.hryt.lebotp: 0.8% user + 1% kernel / faults: 16109 minor 6 major
1.5% 96/kswapd-1:0: 0% user + 1.5% kernel
1.5% 518/logd: 0.5% user + 1% kernel / faults: 412 minor
1.5% 391/crtc_commit:125: 0% user + 1.5% kernel
1.1% 1187/cnss_diag: 0.9% user + 0.2% kernel / faults: 2 minor 1 major
0.9% 14886/audioserver: 0.7% user + 0.2% kernel / faults: 827 minor 1 major
0.9% 329/kworker/u16:9+kverityd: 0% user + 0.9% kernel
0.8% 14889/netd: 0.2% user + 0.6% kernel / faults: 10588 minor
0.8% 14953/kworker/u16:31-kverityd: 0% user + 0.8% kernel
0.7% 1169/tlog: 0.4% user + 0.3% kernel / faults: 142 minor
0.7% 11405/kworker/u16:10+CDSP_CNTL: 0% user + 0.7% kernel
0.6% 14888/mediaserver: 0.3% user + 0.2% kernel / faults: 2208 minor
0.6% 287/kgsl_worker_thr: 0% user + 0.6% kernel
0.6% 11740/kworker/u16:12-ufs_clkscaling_0: 0% user + 0.6% kernel
0.5% 850/[vendor.qti.hardware.perf@2.2-service](#): 0.1% user + 0.3% kernel / faults: 2747 minor
0.5% 14951/kworker/u16:30-kgsl-mementry: 0% user + 0.5% kernel
0.4% 14881/android.hardware.audio.service: 0.1% user + 0.3% kernel / faults: 222 minor
0.4% 14918/kworker/u16:14-kgsl-mementry: 0% user + 0.4% kernel
0.4% 15309/com.thundercomm.gamemode: 0.2% user + 0.2% kernel / faults: 10997 minor
0.4% 1/init: 0.1% user + 0.2% kernel / faults: 2114 minor
0.4% 9/ksoftirqd/0: 0% user + 0.4% kernel
0.3% 9654/kworker/u16:8-kverityd: 0% user + 0.3% kernel
0.3% 280/kworker/u16:6-kverityd: 0% user + 0.3% kernel
0.3% 10/rcu_preempt: 0% user + 0.3% kernel
0.3% 7544/kworker/u16:0-kgsl_devfreq_wq: 0% user + 0.3% kernel
0.2% 520/servicemanager: 0.1% user + 0.1% kernel
0.2% 14882/zygote64: 0% user + 0.2% kernel / faults: 5500 minor
0.2% 679/statsd: 0.1% user + 0.1% kernel / faults: 187 minor
0.2% 836/[android.hardware.wifi@1.0-service](#): 0.1% user + 0.1% kernel / faults: 3645 minor
0.2% 1213/media.codec: 0% user + 0.2% kernel / faults: 1829 minor
0.2% 14955/kworker/u16:33-ufs_pm_qos_0: 0% user + 0.2% kernel
0.2% 15419/com.thundercomm.microservice: 0% user + 0.1% kernel / faults: 10108 minor
0.2% 2818/mdnsd: 0% user + 0.1% kernel / faults: 11 minor
0.2% 111/system: 0% user + 0.2% kernel
0.2% 15285/com.android.networkstack.process: 0.1% user + 0% kernel / faults: 3662 minor
0.1% 14919/kworker/u16:15-kgsl-mementry: 0% user + 0.1% kernel
0.1% 1389/qfp-daemon: 0% user + 0.1% kernel / faults: 944 minor
0.1% 37/ksoftirqd/3: 0% user + 0.1% kernel
0.1% 277/kworker/u16:5+CDSP_DCI: 0% user + 0.1% kernel
0.1% 519/lmkd: 0% user + 0.1% kernel
0.1% 2709/dp_rx_thread_0: 0% user + 0.1% kernel

0.1% 14945/kworker/u16:24-kverityd: 0% user + 0.1% kernel
0.1% 1269/media.swcodec: 0.1% user + 0% kernel / faults: 1074 minor
0.1% 89/qmp_aop: 0% user + 0.1% kernel
0.1% 13/rcuop/0: 0% user + 0.1% kernel
0.1% 10125/iorapd: 0% user + 0% kernel / faults: 50487 minor
0.1% 32/rcuop/2: 0% user + 0.1% kernel
0.1% 15937/irq/17-9091000.: 0% user + 0.1% kernel
0.1% 271/kworker/u16:2-kgsi-mementry: 0% user + 0.1% kernel
0.1% 11801/kworker/u17:3-kgsi-events: 0% user + 0.1% kernel
0.1% 15935/irq/16-90b6400.: 0% user + 0.1% kernel
0.1% 660/[vendor.ts.uart@1.0-service](#): 0% user + 0% kernel / faults: 2 minor
0.1% 15701/com.thundercomm.gamemode.provider: 0% user + 0% kernel / faults: 3855 minor
0.1% 11131/kworker/u17:0-hal_register_write_wq: 0% user + 0.1% kernel
0.1% 48/rcuop/4: 0% user + 0.1% kernel
0.1% 392/crtc_event:125: 0% user + 0.1% kernel
0.1% 11736/kworker/u17:1-kgsi-events: 0% user + 0.1% kernel
0.1% 14000/traced_probes: 0% user + 0% kernel / faults: 852 minor
0.1% 15439/com.thundercomm.microsettings: 0% user + 0% kernel / faults: 1214 minor
0% 64/rcuop/6: 0% user + 0% kernel
0% 9799/kworker/0:0-events: 0% user + 0% kernel
0% 109/ion-pool-uncach: 0% user + 0% kernel
0% 844/vendor.qti.hardware.display.allocation-service: 0% user + 0% kernel / faults: 620 minor
0% 92/kcompactd0: 0% user + 0% kernel
0% 110/ion-pool-cached: 0% user + 0% kernel
0% 14004/kworker/3:0-events: 0% user + 0% kernel
0% 12342/kworker/u17:4-kgsi-events: 0% user + 0% kernel
0% 40/rcuop/3: 0% user + 0% kernel
0% 521/hwservicemanager: 0% user + 0% kernel
0% 1197/installd: 0% user + 0% kernel / faults: 39 minor
0% 12551/kworker/u16:13-ufs_clkscaling_0: 0% user + 0% kernel
0% 56/rcuop/5: 0% user + 0% kernel
0% 16176/com.qualcomm.qti.workloadclassifier: 0% user + 0% kernel / faults: 1072 minor
0% 24/rcuop/1: 0% user + 0% kernel
0% 11/rcu_sched: 0% user + 0% kernel
0% 828/[android.hardware.memtrack@1.0-service](#): 0% user + 0% kernel
0% 848/[vendor.qti.hardware.iop@2.0-service](#): 0% user + 0% kernel / faults: 40 minor
0% 2707/scheduler_threa: 0% user + 0% kernel
0% 14899/iptables-restore: 0% user + 0% kernel / faults: 2 minor
0% 82/kworker/2:1+max96755g_dtc_work: 0% user + 0% kernel
0% 1199/media.extractor: 0% user + 0% kernel / faults: 3146 minor
0% 14938/kworker/u16:16-kverityd: 0% user + 0% kernel
0% 14954/kworker/u16:32-memlat_wq: 0% user + 0% kernel
0% 1422/msm_irqbalance: 0% user + 0% kernel
0% 13753/kworker/2:2-events: 0% user + 0% kernel
0% 14900/ip6tables-restore: 0% user + 0% kernel / faults: 2 minor
0% 15683/android.ext.services: 0% user + 0% kernel / faults: 1904 minor
0% 13771/kworker/1:2-pm: 0% user + 0% kernel
0% 16242/com.android.traceur: 0% user + 0% kernel / faults: 5700 minor 14 major
0% 830/kworker/u16:18+SENSORS_DCI: 0% user + 0% kernel
0% 15889/com.qualcomm.location: 0% user + 0% kernel / faults: 547 minor
0% 16222/com.android.keychain: 0% user + 0% kernel / faults: 4768 minor 12 major
0% 958/qtrn-ns: 0% user + 0% kernel
0% 13909/kworker/7:1-events_freezable_power_: 0% user + 0% kernel

0% 872/[vendor.qti.hardware.servicetracker@1.2-service](#): 0% user + 0% kernel / faults: 8 minor
0% 1492/wlan_logging_th: 0% user + 0% kernel
0% 15454/.dataservices: 0% user + 0% kernel / faults: 516 minor
0% 15960/com.qualcomm.qti.aptxui: 0% user + 0% kernel / faults: 5258 minor 11 major
0% 347/irq/350-atmel_m: 0% user + 0% kernel
0% 13992/kworker/6:1-events: 0% user + 0% kernel
0% 14430/kworker/4:1-mm_percpu_wq: 0% user + 0% kernel
0% 49/rcuos/4: 0% user + 0% kernel
0% 72/rcuop/7: 0% user + 0% kernel
0% 101/irq/41-tsens-up: 0% user + 0% kernel
0% 1361/cnss-daemon: 0% user + 0% kernel / faults: 3 minor
0% 14891/wificond: 0% user + 0% kernel / faults: 24 minor
0% 16/migration/0: 0% user + 0% kernel
0% 33/rcuos/2: 0% user + 0% kernel
0% 45/ksoftirqd/4: 0% user + 0% kernel
0% 370/kworker/0:1H-kblockd: 0% user + 0% kernel
0% 659/ipacm: 0% user + 0% kernel
0% 814/[android.hidl allocator@1.0-service](#): 0% user + 0% kernel
0% 915/[vendor.thundercomm.hardware.tsnv@1.0-service](#): 0% user + 0% kernel / faults: 123 minor 1 major
0% 1168/traced: 0% user + 0% kernel / faults: 2123 minor
0% 1200/media.metrics: 0% user + 0% kernel / faults: 143 minor
0% 1431/lowi-server: 0% user + 0% kernel / faults: 38 minor
0% 14885/zygote: 0% user + 0% kernel / faults: 287 minor
0% 14887/cameraserver: 0% user + 0% kernel / faults: 1 minor
0% 15820/com.qualcomm.qti.qccauthmgr: 0% user + 0% kernel / faults: 1754 minor 4 major
0% 15920/adbd: 0% user + 0% kernel / faults: 8 minor
0% 36/migration/3: 0% user + 0% kernel
0% 65/rcuos/6: 0% user + 0% kernel
0% 530/[android.hardware.keymaster@4.1-service-qti](#): 0% user + 0% kernel / faults: 11 minor 31 major
0% 565/psimon: 0% user + 0% kernel
0% 581/[android.system.suspend@1.0-service](#): 0% user + 0% kernel
0% 905/[vendor.qti.qspmhal@1.0-service](#): 0% user + 0% kernel / faults: 3 minor
0% 1004/tftp_server: 0% user + 0% kernel
0% 1209/perfservice: 0% user + 0% kernel / faults: 1 minor
0% 2721/wpa_supplicant: 0% user + 0% kernel / faults: 16 minor 3 major
0% 16055/com.hryt.hiphishowfsecontrol: 0% user + 0% kernel / faults: 749 minor
0% 16234/com.qualcomm.location.XT: 0% user + 0% kernel / faults: 870 minor
0% 14/rcuos/0: 0% user + 0% kernel
0% 20/migration/1: 0% user + 0% kernel
0% 21/ksoftirqd/1: 0% user + 0% kernel
0% 23/kworker/1:0H-events_highpri: 0% user + 0% kernel
0% 28/migration/2: 0% user + 0% kernel
0% 29/ksoftirqd/2: 0% user + 0% kernel
0% 47/kworker/4:0H-kblockd: 0% user + 0% kernel
0% 55/kworker/5:0H-kblockd: 0% user + 0% kernel
0% 63/kworker/6:0H-kblockd: 0% user + 0% kernel
0% 71/kworker/7:0H-kblockd: 0% user + 0% kernel
0% 77/kauditd: 0% user + 0% kernel
0% 658/time_daemon: 0% user + 0% kernel / faults: 62 minor
0% 799/ssgtzd: 0% user + 0% kernel / faults: 36 minor
0% 825/[android.hardware.gnss@2.1-service-qti](#): 0% user + 0% kernel / faults: 96 minor
0% 1432/slim_daemon: 0% user + 0% kernel / faults: 1 minor
0% 7568/kworker/5:1-rcu_gp: 0% user + 0% kernel

0% 15354/webview_zygote: 0% user + 0% kernel / faults: 178 minor 2 major
0% 15482/com.tc.logclient: 0% user + 0% kernel / faults: 487 minor
0% 15609/com.thundercomm.tcservice: 0% user + 0% kernel / faults: 142 minor
0% 16102/.pasr: 0% user + 0% kernel / faults: 456 minor
0% 16135/com.qualcomm.qti.services.systemhelper:systemhelper_service: 0% user + 0% kernel / faults: 648 minor
0% 2/kthreadd: 0% user + 0% kernel
0% 39/kworker/3:0H-events_highpri: 0% user + 0% kernel
0% 41/rcuos/3: 0% user + 0% kernel
0% 44/migration/4: 0% user + 0% kernel
0% 52/migration/5: 0% user + 0% kernel
0% 57/rcuos/5: 0% user + 0% kernel
0% 60/migration/6: 0% user + 0% kernel
0% 372/kworker/2:1H-events_highpri: 0% user + 0% kernel
0% 418/core_ctl/4: 0% user + 0% kernel
0% 531/qseecomd: 0% user + 0% kernel / faults: 34 minor
0% 582/keystore2: 0% user + 0% kernel / faults: 151 minor
0% 824/[android.hardware.drm@1.3-service.clearkey](#): 0% user + 0% kernel / faults: 41 minor
0% 875/vendor.qti.hardware.vibrator.service: 0% user + 0% kernel / faults: 92 minor 2 major
0% 876/media.hwcodec: 0% user + 0% kernel
0% 961/pd-mapper: 0% user + 0% kernel
0% 965/pm-service: 0% user + 0% kernel / faults: 29 minor
0% 1230/dpmd: 0% user + 0% kernel / faults: 7 minor 3 major
0% 1378/tzlog: 0% user + 0% kernel
0% 1406/imsdata daemon: 0% user + 0% kernel
0% 12802/kworker/5:0-events: 0% user + 0% kernel
0% 14940/kworker/u16:19-kgs1-mementry: 0% user + 0% kernel
0% 15458/.qtidaservices: 0% user + 0% kernel / faults: 15 minor
0% 15464/com.thundercomm.tchttpserver: 0% user + 0% kernel / faults: 140 minor
0% 15541/com.qti.qualcomm.mstatssystemservice: 0% user + 0% kernel / faults: 14 minor
0% 15548/com.android.se: 0% user + 0% kernel / faults: 14 minor
0% 15585/com.thundercomm.remotecontrolservice: 0% user + 0% kernel / faults: 38 minor
0% 15653/com.qualcomm.qti.qdma: 0% user + 0% kernel / faults: 28 minor
0% 16139/com.qualcomm.qti.qccnetstat: 0% user + 0% kernel / faults: 421 minor
+0% 16274/com.tencent.android.qqdownloader:live: 0% user + 0% kernel
+0% 16330/com.android.inputmethod.latin: 0% user + 0% kernel
+0% 16373/com.tencent.android.qqdownloader:daemon: 0% user + 0% kernel
+0% 16409/com.qualcomm.qti.devicestatisticservice: 0% user + 0% kernel
+0% 16432/android.process.acore: 0% user + 0% kernel
+0% 16480/android.process.media: 0% user + 0% kernel
+0% 16493/com.qti.diagservices: 0% user + 0% kernel
+0% 16530/com.android.dynsystem: 0% user + 0% kernel
+0% 16553/com.android.dynsystem:dynsystem: 0% user + 0% kernel
+0% 16555/com.android.managedprovisioning: 0% user + 0% kernel
+0% 16599/com.android.music: 0% user + 0% kernel
+0% 16624/com.android.onetimeinitializer: 0% user + 0% kernel
+0% 16662/com.android.packageinstaller: 0% user + 0% kernel
+0% 16670/com.tencent.android.qqdownloader: 0% user + 0% kernel
+0% 16718/com.tencent.android.qqdownloader:cloud: 0% user + 0% kernel
+0% 16752/com.android.permissioncontroller: 0% user + 0% kernel
+0% 16778/app_d: 0% user + 0% kernel
+0% 16847/app_d: 0% user + 0% kernel
+0% 16927/com.android.providers.calendar: 0% user + 0% kernel
+0% 17031/com.android.shell: 0% user + 0% kernel

```
+0% 17187/com.android.localtransport: 0% user + 0% kernel
+0% 17204/com.qualcomm.qti.qms.service.connectionsecurity: 0% user + 0% kernel
+0% 17271/com.tencent.mm.push: 0% user + 0% kernel
+0% 17407/com.android.externalstorage: 0% user + 0% kernel
+0% 17502/com.qualcomm.timeservice: 0% user + 0% kernel
+0% 17519/com.qiyi.video: 0% user + 0% kernel
+0% 18055/com.qualcomm.qti.qms.service.trustzoneaccess: 0% user + 0% kernel
+0% 18172/com.qiyi.video.downloader: 0% user + 0% kernel
+0% 18608/com.android.webview.sandboxed_process0:org.chromium.content.app.SandboxedProcessService0:0: 0% user + 0% kernel
+0% 18641/com.android.webview.webview_service: 0% user + 0% kernel
+0% 18743/com.tencent.ilink.ServiceProcess: 0% user + 0% kernel
+0% 18826/com.qiyi.video.plugin1: 0% user + 0% kernel
+0% 18898/com.tencent.android.qqdownloader.wxa_container0: 0% user + 0% kernel
+0% 19286/kworker/u17:2-kgs1-events: 0% user + 0% kernel
+0% 20196/kworker/5:2-events: 0% user + 0% kernel
+0% 22749/com.tencent.tmgp.sgame: 0% user + 0% kernel
+0% 22782/com.tencent.tmgp.sgame.xg_vip_service: 0% user + 0% kernel
+0% 23883/com.tencent.qqlive: 0% user + 0% kernel
+0% 24001/com.tencent.qqlive.cache: 0% user + 0% kernel
+0% 24004/com.tencent.qqlive.services: 0% user + 0% kernel
+0% 24073/com.tencent.qqlive.pmservice: 0% user + 0% kernel
+0% 24105/com.tencent.mm: 0% user + 0% kernel
+0% 24719/com.android.webview.sandboxed_process0:org.chromium.content.app.SandboxedProcessService0:0: 0% user + 0% kernel
+0% 25069/com.kugou.android.auto: 0% user + 0% kernel
+0% 25119/com.kugou.android.support: 0% user + 0% kernel
+0% 25768/com.tencent.qqlive.xg_vip_service: 0% user + 0% kernel
+0% 31320/kworker/u17:5-kgs1-events: 0% user + 0% kernel
+0% 31790/kworker/0:1-mm_percpu_wq: 0% user + 0% kernel
+0% 31832/kworker/1:0-sock_diag_events: 0% user + 0% kernel
+0% 32151/kworker/u17:6-kgs1-events: 0% user + 0% kernel
48% TOTAL: 25% user + 19% kernel + 0.3% iowait + 1% irq + 1.3% softirq
----- 0.004s was the duration of dumppsys cpuinfo, ending at: 2023-06-08 10:42:34
```

在com.tencent.tmgp.sgame进程启动的过程中，有很多hht_ota_mgr的log，hht_ota_mgr可能会占用cpu，影响进程的启动。
由于现有的log中没有更多有效信息，只能复现问题抓取现场的系统信息。

[Next Action]

复现问题，抓取现场信息，进一步分析

#7 - 2023-06-13 10:59 - CD FW 郑雷

[当前状态]

1.根据log信息，从06-07 21:01:40.338开始到点击王者荣耀、原神等app，到WATCHDOG异常，出现了24724次如下log,很多进程都有OpenGLRenderer: Davey的日志输出，说明系统处于一种卡顿的状态

OpenGLRenderer: Davey! duration=9223370438983ms; Flags=0, FrameTimelineVsyncId=54915, IntendedVsync=1597871567923, Vsync=1597888234589, InputEventId=0, HandleInputStart=1597893477920, AnimationStart=1597893478545, PerformTraversalsStart=1597893604118, DrawStart=1597924965576, FrameDeadline=1597909567921, FrameInterval=1597893476670, FrameStartTime=16666666, SyncQueued=1597925365889, SyncStart=1597925394587, IssueDrawCommandsStart=1597925476566, SwapBuffers=1597925856826, FrameCompleted=9223372036854775807, DequeueBufferDuration=6875, QueueBufferDuration=269792, GpuCompleted=9223372036854775807, SwapBuffersCompleted=1597926308753, DisplayPresentTime=0,

2.启动王者荣耀、原神时，进程创建成功，但是在attach到AMS时超过10秒，应用程序进程的初始化失败(REASON_INITIALIZATION_FAILURE)，此时AMS会kill掉超时的进程。

3.从目前现有的log看，进程attach到AMS失败应该跟系统卡顿状态有关系。

[下一步Action]

1.用解决hht_ota_mgr的selinux denied的问题和限制后台进程数量的版本验证此问题

#8 - 2023-06-15 20:56 - CD FW 曹覃刚

- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD FW 郑雷 to CDTS_Test 吴诗雨
- Resolution changed from -- to DUPLICATE

转jira跟踪

#9 - 2023-07-03 16:38 - CDTS_TEST 王成

- Status changed from RESOLVED to VERIFIED

与118600并票

#10 - 2023-07-03 16:38 - CDTS_TEST 王成

- Status changed from VERIFIED to CLOSED