

Status:	CLOSED	Start date:	2023-05-23
Priority:	Urgent	Due date:	2023-05-26
Assignee:	CDTS_TEST 王成	% Done:	100%
Category:	重启	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	01.00.0095.c103
Resolution:	--	Degrated:	--
Severity:	Critical	Verified Version:	
Reproducibility:	Occasionally	Fixed Version:	2023-05-26
Test Type:	ST	Root cause:	
Description			
【重启时间】：2023/5/19 18:00 ~ 5/20 09:00之间 【前提条件】：副屏上电 【操作步骤】 【前提条件】.副屏正常可以操作 1.执行monkey稳定性测试 【实际结果】 1.monkey停止运行，安卓系统重启 【期望结果】 1.副屏正常再跑monkey命令 【备注】： adb shell ps -ef grep system_server 发现system_server PID 8000多，怀疑system_srever被kill掉，安卓重启 日志地址：https://ofs.human-horizons.com/#/download/index/Bc4triLf%2BV8%3D 【硬件版本号】： 【中控版本号】：03.02.0080.c101 【副屏版本号】：01.00.0095.c103			
Subtasks:			
Bug # 118129: 【IOVDEV-29629】【自动化测试】【稳定性测试】【VC1】【副屏】monkey稳定性测试...			CLOSED
Bug # 118196: 【IOVDEV-29629】【自动化测试】【稳定性测试】【VC1】【副屏】monkey稳定性测试...			CLOSED
Bug # 118200: 请确认一下显示驱动 DRM模块下面的报错是否异常			CLOSED
Bug # 118264: 【monkey】4个预置应用+12V10A电源 monkey异常终止			CLOSED
Related issues:			
Related to Figure - Bug # 118416: 【AF】【EVT3】【Monkey】Monke...			CLOSED 2023-06-01

#2 - 2023-05-22 12:50 - CD SYSTEM-夏旭

- Status changed from New to ASSIGNED

- % Done changed from 0 to 20

1.从log看system_server被杀。原因out_of_memory.

从system_server 这变化的PID看：

```
E : Out of memory: Kill process *1517* (system_server) score 0 or sacrifice child
9697 9697 | system_server_start: [2,60308609,60308609]
000041_persist_00005_700101_080011.log:152:01-01 08:00:11.218 1528 1528 | system_server_start: [1,8581,8581] ( 1次 )
000042_persist_00055_700101_080009.log:543:01-01 08:00:09.876 1520 1520 | system_server_start: [1,7026,7026] ( 2次 )
000043_persist_00127_700101_080009.log:616:01-01 08:00:10.310 1548 1548 | system_server_start: [1,7647,7647] ( 3次 )
000044_persist_00165_700101_080009.log:1051:01-01 08:00:10.069 1526 1526 | system_server_start: [1,7388,7388] ( 4次 )
000045_persist_00179_700101_080010.log:1706:01-01 08:00:09.801 1206 1206 | system_server_start: [1,6666,6666](5次)
000045_persist_00022_230519_005507.log:1146:05-19 00:55:06.405 4449 4449 | system_server_start: [2,37099124,37099124](6次)

05-19 00:55:02.139 1206 1936 | ThunderPerfManager: PerfAcq error : state=true pkgName=com.android.music
05-19 00:55:02.177 1226 1226 | perfetto: ory_arbiter_impl.cc:167 Recovered from stall after 12 iterations
01-01 18:18:17.898 0 0 E : Killed process 4186 (fsync) total-vm:64200kB, anon-rss:376kB, file-rss:1000kB, shmem-rss:112kB oom_score_adj=-900
01-01 18:18:17.899 0 0 I oom_reaper: reaped process 4186 (fsync), now anon-rss:0kB, file-rss:0kB, shmem-rss:0kB
01-01 18:18:17.966 0 0 E : Out of memory: Kill process 1206 (system_server) score 0 or sacrifice child
01-01 18:18:17.968 0 0 E : Killed process 1206 (system_server) total-vm:21132092kB, anon-rss:0kB, file-rss:201080kB, shmem-rss:9664kB
oom_score_adj=-900
zygote 重启：
01-01 08:00:08.297 677 677 D AndroidRuntime: >>>>> START com.android.internal.os.ZygoteInit uid 0 <<<<<<
```

#3 - 2023-05-22 16:10 - CD SYSTEM-夏旭

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

#4 - 2023-05-23 15:34 - CD FW 曹覃刚

- Category changed from BSP to SYSTEM

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

Hi 宗惠

如昨晚线下沟通

1.FW检查下之前system_server_start的原因

```
000041_persist_00005_700101_080011.log:152:01-01 08:00:11.218 1528 1528 | system_server_start: [1,8581,8581] ( 1次 )
000042_persist_00055_700101_080009.log:543:01-01 08:00:09.876 1520 1520 | system_server_start: [1,7026,7026] ( 2次 )
000043_persist_00127_700101_080009.log:616:01-01 08:00:10.310 1548 1548 | system_server_start: [1,7647,7647] ( 3次 )
000044_persist_00165_700101_080009.log:1051:01-01 08:00:10.069 1526 1526 | system_server_start: [1,7388,7388] ( 4次 )
000045_persist_00179_700101_080010.log:1706:01-01 08:00:09.801 1206 1206 | system_server_start: [1,6666,6666](5次)
FSEM_000041_1155_0510180133/logcat/000041_persist_00005_700101_080011.log:152:01-01 08:00:11.218 1528 1528 | system_server_start: [1,8581,8581]
FSEM_000042_1158_0510190743/logcat/000042_persist_00055_700101_080009.log:543:01-01 08:00:09.876 1520 1520 | system_server_start: [1,7026,7026]
FSEM_000043_1163_0510211112/logcat/000043_persist_00127_700101_080009.log:616:01-01 08:00:10.310 1548 1548 | system_server_start: [1,7647,7647]
FSEM_000044_1164_0510213123/logcat/000044_persist_00165_700101_080009.log:1051:01-01 08:00:10.069 1526 1526 | system_server_start: [1,7388,7388]
FSEM_000045_1165_0510213417/logcat/000045_persist_00179_700101_080010.log:1706:01-01 08:00:09.801 1206 1206 | system_server_start: [1,6666,6666]
这部分日志是0510生成的，日志包中还有0406和0427的日志，这与日志包中最新时间0518和0519时间差异较大
```

假定日志打包工具时间是正常的，那么日期为0510的日志由于与问题发生时间差距较大，且前后有日志缺失，无法根据其分析
如果日志打包工具有异常，需要夏旭同学帮忙看下，日志工具的问题

在日志中有看到下列shutdown的日志，可以判定之前有通过其他方式关机过，重启之后，system_server_start就是正常的
FSEM_000041_1155_0510180133/persist/000040_persist_00674_230411_061607.log.ing:110:04-11 06:16:12.215 1138 1213 D ShutdownThread: Notifying thread to start shutdown longPressBehavior=5

结合上述两点，之前system_server_start是有通过正常开关机重新启动的，是正常现象，另外由于与问题发生时间距离较久，没有太多参考意义

2.SYSTEM的同学分析下oom_reaper的机制, 这是系统内核中的机制
为什么在system_server内存占用正常以及优先级较高的情况下，会被kill掉，正常情况应该是杀其他不重要的进程
问题发生时system_server物理内存占了224M
logcat/000045_persist_00007_230519_005507.log:2277:05-19 00:54:31.428 1206 1560 I am_pss : [1206,1000,system,224908288,139141120,7460864,479518720,1,0,20]
我在我正常的跑的刚重启的设备中检查system_server的物理内存为205M
05-20 23:15:41.230 1025 1190 I am_pss : [1025,1000,system,208441344,112046080,0,521940992,0,0,29]

请帮忙分析下第2点，谢谢

#5 - 2023-05-23 16:05 - CD SYSTEM-夏旭
- Assignee changed from CD SYSTEM-夏旭 to CD FW 曹覃刚

Hi 覃刚:

1. 从下面的在日志看，在第45次启动中就出现了两次system_server重启了，如果log无法分析，请测试复现，
000045_persist_00179_700101_080010.log:1706:01-01 08:00:09.801 1206 1206 I system_server_start: [1,6666,6666](5次)
000045_persist_00022_230519_005507.log:1146:05-19 00:55:06.405 4449 4449 I system_server_start: [2,37099124,37099124](6次)
2. oom_kill.c 中打印下面的信息，这个是内核默认打开的，
可查看 android/kernel/msm-4.19/mm/Makefile
android/kernel/msm-4.19/mm/oom_kill.c
obj-y := oom_kill.o
且打印此内容的函数说明，此函数只是回收地址空间，并不是由它杀死进程的
I oom_reaper: reaped process 4186 (fsync), now anon-rss:0kB, file-rss:0kB, shmem-rss:0kB
01-01 18:18:17.966 0 0 E : Out of memory: Kill process 1206 (system_server) score 0 or sacrifice child

#6 - 2023-05-23 18:15 - 物联网项目组-RD3_CDTS 周飞

测试反馈未连接中控和amp
研发分析到是内存占用过高

#7 - 2023-05-23 21:37 - CDTS_TEST 王成
- Fixed Version set to 2023-05-26

#8 - 2023-05-23 21:44 - CDTS_TEST 王成
- Due date set to 2023-05-26

#9 - 2023-05-24 10:12 - CDTS-TEST 周婷
- Category changed from SYSTEM to 重启

#10 - 2023-05-24 11:35 - CD FW 曹覃刚
- Assignee changed from CD FW 曹覃刚到 CD SYSTEM-夏旭

Hi 夏旭

与 #118122 类似，如飞书语音沟通，请帮忙调查外部杀system_server的原因

感谢

#11 - 2023-05-24 20:32 - CD SYSTEM-夏旭

- Status changed from ASSIGNED to RESOLVED

#12 - 2023-05-24 21:27 - CD SYSTEM-夏旭

- Status changed from RESOLVED to ASSIGNED

#13 - 2023-05-25 16:13 - CD SYSTEM-夏旭

1. 打开内核kasan机制，查看是否有内存泄露

```
+CONFIG_KASAN=y
+CONFIG_KASAN_GENERIC=y
+CONFIG_KASAN_OUTLINE=y
+CONFIG_KCOV=y
+CONFIG_KCOV_ENABLE_COMPARISONS=y
+CONFIG_FRAME_WARN=0
+CONFIG_KASAN_STACK_ENABLE=y
```

2. 打开用记空间的malloc debug查看是否有内存泄露

3. 优化 android系统水线

#14 - 2023-05-26 19:32 - CD SYSTEM-夏旭

1.收集的信息确认，tlog内存泄露 USS空间占用的内存越来越大，

PID	Vss	Rss	Pss	Uss	Swap	PSwap	USwap	ZSwap	cmdline
1289	13009224K	12452K	4619K	4284K	0K	0K	0K	0K	/system/bin/tlog
1289	13009224K	12464K	4626K	4296K	0K	0K	0K	0K	/system/bin/tlog
1289	13010772K	13120K	5305K	4976K	0K	0K	0K	0K	/system/bin/tlog
1289	13010772K	13148K	5333K	5004K	0K	0K	0K	0K	/system/bin/tlog
1289	13010772K	13012K	5376K	5076K	0K	0K	0K	0K	/system/bin/tlog
1289	13010772K	12524K	4887K	4588K	568K	568K	568K	142K	/system/bin/tlog
1289	13010772K	11240K	4823K	4656K	568K	568K	568K	148K	/system/bin/tlog
1289	13010772K	11252K	4882K	4720K	568K	568K	568K	164K	/system/bin/tlog
1289	13010772K	11336K	4984K	4824K	568K	568K	568K	162K	/system/bin/tlog
1289	13010772K	11132K	5046K	4964K	568K	568K	568K	165K	/system/bin/tlog
1289	13010772K	11220K	5205K	5124K	568K	568K	568K	167K	/system/bin/tlog
1289	13013856K	12640K	6666K	6588K	568K	568K	568K	163K	/system/bin/tlog
1289	13013856K	12736K	6818K	6740K	568K	568K	568K	168K	/system/bin/tlog
1289	13013856K	12860K	6960K	6884K	568K	568K	568K	165K	/system/bin/tlog
1289	13013856K	13020K	7132K	7056K	568K	568K	568K	172K	/system/bin/tlog
1289	13013856K	13208K	7333K	7260K	568K	568K	568K	175K	/system/bin/tlog
1289	13013856K	13468K	7593K	7520K	568K	568K	568K	173K	/system/bin/tlog
1289	13013856K	13540K	7814K	7748K	568K	568K	568K	171K	/system/bin/tlog
1289	13013856K	13716K	8035K	7972K	568K	568K	568K	174K	/system/bin/tlog

1289	13016928K	16628K	10964K	10900K	568K	568K	568K	174K	/system/bin/tlog
1289	13016928K	16728K	11099K	11036K	568K	568K	568K	176K	/system/bin/tlog
1289	13016928K	17080K	11471K	11408K	568K	568K	568K	175K	/system/bin/tlog
1289	13016928K	17280K	11671K	11608K	568K	568K	568K	187K	/system/bin/tlog
1289	13016928K	17504K	11895K	11832K	568K	568K	568K	174K	/system/bin/tlog
1289	13016928K	17820K	12211K	12148K	568K	568K	568K	173K	/system/bin/tlog
1289	13016928K	18204K	12594K	12532K	568K	568K	568K	175K	/system/bin/tlog
1289	13016928K	18488K	12878K	12816K	568K	568K	568K	171K	/system/bin/tlog
1289	13016928K	18756K	13146K	13084K	568K	568K	568K	173K	/system/bin/tlog
1289	13016928K	18936K	13326K	13264K	568K	568K	568K	176K	/system/bin/tlog
1289	13016928K	19088K	13478K	13416K	568K	568K	568K	175K	/system/bin/tlog
1289	13023072K	24748K	19142K	19080K	568K	568K	568K	173K	/system/bin/tlog
1289	13023072K	25000K	19402K	19340K	568K	568K	568K	175K	/system/bin/tlog
1289	13023072K	25432K	19838K	19776K	568K	568K	568K	173K	/system/bin/tlog
1289	13023072K	25740K	20146K	20084K	568K	568K	568K	177K	/system/bin/tlog
1289	13023072K	26160K	20570K	20508K	568K	568K	568K	176K	/system/bin/tlog
1289	13023072K	26564K	20974K	20912K	568K	568K	568K	181K	/system/bin/tlog
1289	13023072K	27100K	21760K	21704K	568K	568K	568K	170K	/system/bin/tlog
1289	13023072K	27936K	22600K	22544K	568K	568K	568K	175K	/system/bin/tlog
1289	13023072K	28692K	23356K	23300K	568K	568K	568K	170K	/system/bin/tlog
1289	13023072K	29652K	24316K	24260K	568K	568K	568K	170K	/system/bin/tlog
1289	13023072K	30468K	25133K	25076K	568K	568K	568K	170K	/system/bin/tlog
1289	13035360K	41932K	36596K	36540K	568K	568K	568K	172K	/system/bin/tlog
1289	13035360K	42908K	37572K	37516K	568K	568K	568K	171K	/system/bin/tlog
1289	13035360K	43720K	38384K	38328K	568K	568K	568K	169K	/system/bin/tlog
1289	13035360K	44556K	39220K	39164K	568K	568K	568K	166K	/system/bin/tlog
1289	13035360K	45416K	40080K	40024K	568K	568K	568K	167K	/system/bin/tlog
1289	13035360K	46080K	40744K	40688K	568K	568K	568K	169K	/system/bin/tlog
1289	13035360K	47096K	41760K	41704K	568K	568K	568K	167K	/system/bin/tlog
1289	13035360K	47908K	42572K	42516K	568K	568K	568K	167K	/system/bin/tlog
1289	13035360K	48616K	43280K	43224K	568K	568K	568K	180K	/system/bin/tlog
1289	13035360K	49160K	43824K	43768K	568K	568K	568K	134K	/system/bin/tlog
1289	13035360K	49892K	44557K	44500K	568K	568K	568K	137K	/system/bin/tlog
1289	13035360K	50388K	45053K	44996K	568K	568K	568K	139K	/system/bin/tlog
1289	13035360K	51084K	45748K	45692K	568K	568K	568K	137K	/system/bin/tlog
1289	13035360K	51504K	46169K	46112K	568K	568K	568K	140K	/system/bin/tlog
1289	13035360K	51544K	46209K	46152K	568K	568K	568K	134K	/system/bin/tlog
1289	13035360K	51616K	46280K	46224K	568K	568K	568K	134K	/system/bin/tlog
1289	13035360K	51748K	46413K	46356K	568K	568K	568K	142K	/system/bin/tlog
1289	13035360K	51864K	46529K	46472K	568K	568K	568K	141K	/system/bin/tlog
1289	13035360K	52008K	46673K	46616K	568K	568K	568K	134K	/system/bin/tlog
1289	13035360K	52132K	46798K	46740K	568K	568K	568K	138K	/system/bin/tlog
1289	13035360K	52332K	46997K	46940K	568K	568K	568K	139K	/system/bin/tlog
1289	13035360K	52448K	47112K	47056K	568K	568K	568K	140K	/system/bin/tlog
1289	13035360K	52732K	47397K	47340K	568K	568K	568K	135K	/system/bin/tlog
1289	13035360K	53040K	47704K	47648K	568K	568K	568K	134K	/system/bin/tlog
1289	13035360K	53360K	48025K	47968K	568K	568K	568K	141K	/system/bin/tlog
1289	13059936K	74900K	69564K	69508K	568K	568K	568K	142K	/system/bin/tlog
1289	13059936K	75288K	69956K	69900K	568K	568K	568K	141K	/system/bin/tlog
1289	13059936K	75804K	70472K	70416K	568K	568K	568K	145K	/system/bin/tlog
1289	13059936K	76396K	71064K	71008K	568K	568K	568K	148K	/system/bin/tlog
1289	13059936K	76864K	71532K	71476K	568K	568K	568K	150K	/system/bin/tlog
1289	13059936K	77512K	72180K	72124K	568K	568K	568K	154K	/system/bin/tlog

1289	13059936K	78012K	72680K	72624K	568K	568K	568K	155K	/system/bin/tlog
1289	13059936K	78500K	73168K	73112K	568K	568K	568K	158K	/system/bin/tlog
1289	13059936K	79220K	73888K	73832K	568K	568K	568K	157K	/system/bin/tlog
1289	13059936K	79652K	74320K	74264K	568K	568K	568K	160K	/system/bin/tlog
1289	13059936K	80360K	75028K	74972K	568K	568K	568K	159K	/system/bin/tlog
1289	13059936K	81344K	76012K	75956K	568K	568K	568K	166K	/system/bin/tlog
1289	13059936K	81960K	76633K	76576K	568K	568K	568K	152K	/system/bin/tlog
1289	13059936K	82556K	77229K	77172K	568K	568K	568K	152K	/system/bin/tlog
1289	13059936K	83396K	78069K	78012K	568K	568K	568K	138K	/system/bin/tlog
1289	13059936K	84312K	78984K	78928K	568K	568K	568K	144K	/system/bin/tlog
1289	13059936K	85612K	80284K	80228K	568K	568K	568K	142K	/system/bin/tlog
1289	13059936K	86760K	81432K	81376K	568K	568K	568K	144K	/system/bin/tlog
1289	13059936K	88060K	82732K	82676K	568K	568K	568K	142K	/system/bin/tlog
1289	13059936K	89252K	83924K	83868K	568K	568K	568K	161K	/system/bin/tlog
1289	13059936K	90080K	84755K	84700K	568K	568K	568K	161K	/system/bin/tlog
1289	13059936K	91396K	86071K	86016K	568K	568K	568K	145K	/system/bin/tlog
1289	13059936K	92688K	87364K	87308K	568K	568K	568K	145K	/system/bin/tlog
1289	13059936K	94020K	88696K	88640K	568K	568K	568K	152K	/system/bin/tlog
1289	13059936K	95204K	89880K	89824K	568K	568K	568K	148K	/system/bin/tlog
1289	13059936K	96224K	90900K	90844K	568K	568K	568K	153K	/system/bin/tlog
1289	13059936K	97200K	91876K	91820K	568K	568K	568K	147K	/system/bin/tlog
1289	13059936K	97928K	92604K	92548K	568K	568K	568K	148K	/system/bin/tlog
1289	13059936K	98936K	93612K	93556K	568K	568K	568K	155K	/system/bin/tlog
1289	13109088K	142856K	137531K	137476K	568K	568K	568K	146K	/system/bin/tlog
1289	13109088K	144344K	139019K	138964K	568K	568K	568K	147K	/system/bin/tlog
1289	13109088K	145284K	139959K	139904K	568K	568K	568K	152K	/system/bin/tlog
1289	13109088K	146536K	141211K	141156K	568K	568K	568K	144K	/system/bin/tlog
1289	13109088K	148036K	142711K	142656K	568K	568K	568K	153K	/system/bin/tlog
1289	13109088K	149804K	144479K	144424K	568K	568K	568K	153K	/system/bin/tlog
1289	13109088K	151696K	146371K	146316K	568K	568K	568K	153K	/system/bin/tlog
1289	13109088K	153884K	148559K	148504K	568K	568K	568K	152K	/system/bin/tlog
1289	13109088K	155124K	149799K	149744K	568K	568K	568K	159K	/system/bin/tlog
1289	13109088K	156216K	150891K	150836K	568K	568K	568K	149K	/system/bin/tlog
1289	13109088K	158440K	153115K	153060K	568K	568K	568K	151K	/system/bin/tlog
1289	13109088K	160184K	154859K	154804K	568K	568K	568K	153K	/system/bin/tlog
1289	13109088K	160892K	155567K	155512K	568K	568K	568K	162K	/system/bin/tlog
1289	13109088K	160908K	155583K	155528K	568K	568K	568K	151K	/system/bin/tlog
1289	13109088K	160940K	155615K	155560K	568K	568K	568K	153K	/system/bin/tlog
1289	13109088K	161008K	155683K	155628K	568K	568K	568K	153K	/system/bin/tlog
1289	13109088K	161116K	155791K	155736K	568K	568K	568K	152K	/system/bin/tlog
1289	13109088K	161188K	155863K	155808K	568K	568K	568K	154K	/system/bin/tlog
1289	13109088K	161368K	156043K	155988K	568K	568K	568K	156K	/system/bin/tlog
1289	13109088K	161564K	156239K	156184K	568K	568K	568K	158K	/system/bin/tlog
1289	13109088K	161796K	156471K	156416K	568K	568K	568K	157K	/system/bin/tlog
1289	13109088K	161988K	156663K	156608K	568K	568K	568K	158K	/system/bin/tlog
1289	13109088K	162200K	156875K	156820K	568K	568K	568K	157K	/system/bin/tlog
1289	13109088K	162660K	157335K	157280K	568K	568K	568K	154K	/system/bin/tlog
1289	13109088K	163144K	157819K	157764K	568K	568K	568K	158K	/system/bin/tlog
1289	13109088K	163596K	158271K	158216K	568K	568K	568K	154K	/system/bin/tlog
1289	13109088K	164240K	158916K	158860K	568K	568K	568K	158K	/system/bin/tlog
1289	13109088K	164572K	159247K	159192K	568K	568K	568K	163K	/system/bin/tlog
1289	13109088K	164980K	159655K	159600K	568K	568K	568K	170K	/system/bin/tlog
1289	13109088K	165700K	160376K	160320K	568K	568K	568K	170K	/system/bin/tlog

1289	13109088K	166088K	160929K	160876K	568K	568K	568K	171K	/system/bin/tlog
1289	13109088K	166740K	161581K	161528K	568K	568K	568K	174K	/system/bin/tlog
1289	13109088K	167504K	162346K	162292K	568K	568K	568K	189K	/system/bin/tlog
1289	13109088K	168124K	162966K	162912K	568K	568K	568K	192K	/system/bin/tlog
1289	13109088K	168928K	163770K	163716K	568K	568K	568K	192K	/system/bin/tlog
1289	13109088K	169648K	164490K	164436K	568K	568K	568K	195K	/system/bin/tlog
1289	13109088K	170400K	165242K	165188K	568K	568K	568K	194K	/system/bin/tlog
1289	13109088K	171496K	166338K	166284K	568K	568K	568K	193K	/system/bin/tlog
1289	13109088K	172320K	167162K	167108K	568K	568K	568K	194K	/system/bin/tlog
1289	13109088K	173368K	168210K	168156K	568K	568K	568K	198K	/system/bin/tlog
1289	13109088K	174260K	169101K	169048K	568K	568K	568K	194K	/system/bin/tlog
1289	13109088K	175180K	170022K	169968K	568K	568K	568K	201K	/system/bin/tlog
1289	13109088K	176136K	170978K	170924K	568K	568K	568K	193K	/system/bin/tlog
1289	13109088K	177284K	172126K	172072K	568K	568K	568K	192K	/system/bin/tlog
1289	13109088K	178304K	173146K	173092K	568K	568K	568K	193K	/system/bin/tlog
1289	13109088K	179176K	174018K	173964K	568K	568K	568K	191K	/system/bin/tlog
1289	13109088K	180432K	175274K	175220K	568K	568K	568K	188K	/system/bin/tlog
1289	13109088K	181536K	176382K	176328K	568K	568K	568K	190K	/system/bin/tlog
1289	13109088K	183180K	178037K	177984K	568K	568K	568K	189K	/system/bin/tlog
1289	13109088K	184164K	179021K	178968K	568K	568K	568K	190K	/system/bin/tlog
1289	13109088K	185988K	180845K	180792K	568K	568K	568K	191K	/system/bin/tlog
1289	13109088K	168648K	163505K	163452K	19304K	19304K	19304K	6433K	/system/bin/tlog
1289	13109088K	124860K	119717K	119664K	64456K	64456K	64456K	20914K	/system/bin/tlog
1289	13109088K	126120K	120978K	120924K	64588K	60740K	56892K	19623K	/system/bin/tlog
1289	13207392K	275708K	270724K	270672K	568K	568K	568K	189K	/system/bin/tlog
1289	13207392K	277288K	272340K	272288K	568K	568K	568K	187K	/system/bin/tlog
1289	13207392K	278532K	273600K	273548K	568K	568K	568K	186K	/system/bin/tlog
1289	13207392K	280376K	275448K	275396K	568K	568K	568K	185K	/system/bin/tlog
1289	13207392K	282024K	277095K	277044K	568K	568K	568K	185K	/system/bin/tlog
1289	13207392K	283800K	278872K	278820K	568K	568K	568K	184K	/system/bin/tlog
1289	13207392K	285172K	280244K	280192K	568K	568K	568K	188K	/system/bin/tlog
1289	13207392K	286928K	282000K	281948K	568K	568K	568K	189K	/system/bin/tlog
1289	13207392K	288720K	283792K	283740K	568K	568K	568K	187K	/system/bin/tlog
1289	13207392K	290180K	285252K	285200K	568K	568K	568K	187K	/system/bin/tlog
1289	13207392K	290196K	285268K	285216K	568K	568K	568K	186K	/system/bin/tlog
1289	13207392K	290236K	285308K	285256K	568K	568K	568K	186K	/system/bin/tlog
1289	13207392K	290332K	285404K	285352K	568K	568K	568K	187K	/system/bin/tlog
1289	13207392K	290464K	285536K	285484K	568K	568K	568K	183K	/system/bin/tlog
1289	13207392K	290628K	285701K	285648K	568K	568K	568K	185K	/system/bin/tlog
1289	13207392K	290852K	285924K	285872K	568K	568K	568K	186K	/system/bin/tlog
1289	13207392K	291016K	286089K	286036K	568K	568K	568K	186K	/system/bin/tlog
1289	13207392K	291188K	286261K	286208K	568K	568K	568K	185K	/system/bin/tlog
1289	13207392K	291404K	286477K	286424K	568K	568K	568K	186K	/system/bin/tlog
1289	13207392K	291544K	286617K	286564K	568K	568K	568K	185K	/system/bin/tlog
1289	13207392K	291848K	286920K	286868K	568K	568K	568K	185K	/system/bin/tlog
1289	13207392K	292160K	287232K	287180K	568K	568K	568K	183K	/system/bin/tlog
1289	13207392K	292628K	287700K	287648K	568K	568K	568K	183K	/system/bin/tlog
1289	13207392K	293100K	288172K	288120K	568K	568K	568K	184K	/system/bin/tlog
1289	13207392K	293612K	288684K	288632K	568K	568K	568K	185K	/system/bin/tlog
1289	13207392K	294248K	289320K	289268K	568K	568K	568K	183K	/system/bin/tlog
1289	13207392K	294848K	289920K	289868K	568K	568K	568K	184K	/system/bin/tlog
1289	13207392K	295240K	290312K	290260K	568K	568K	568K	183K	/system/bin/tlog
1289	13207392K	295136K	290208K	290156K	1208K	1208K	1208K	387K	/system/bin/tlog

1289	13207392K	295404K	290477K	290424K	1372K	1372K	1372K	437K	/system/bin/tlog
1289	13207392K	295984K	291057K	291004K	1236K	1236K	1236K	409K	/system/bin/tlog
1289	13207392K	296700K	291773K	291720K	1052K	1052K	1052K	342K	/system/bin/tlog
1289	13207392K	297356K	292429K	292376K	764K	764K	764K	238K	/system/bin/tlog
1289	13207392K	297640K	292713K	292660K	668K	668K	668K	209K	/system/bin/tlog
1289	13207392K	297908K	292981K	292928K	664K	664K	664K	207K	/system/bin/tlog
1289	13207392K	298028K	293100K	293048K	660K	660K	660K	206K	/system/bin/tlog
1289	13207392K	298188K	293260K	293208K	656K	656K	656K	204K	/system/bin/tlog
1289	13207392K	298384K	293456K	293404K	656K	656K	656K	204K	/system/bin/tlog
1289	13207392K	298500K	293572K	293520K	656K	656K	656K	204K	/system/bin/tlog
1289	13207392K	298660K	293733K	293680K	656K	656K	656K	204K	/system/bin/tlog
1289	13207392K	298820K	293893K	293840K	656K	656K	656K	205K	/system/bin/tlog
1289	13207392K	298944K	294017K	293964K	656K	656K	656K	206K	/system/bin/tlog
1289	13207392K	299152K	294225K	294172K	652K	652K	652K	204K	/system/bin/tlog
1289	13207392K	299316K	294389K	294336K	652K	652K	652K	204K	/system/bin/tlog
1289	13207392K	299532K	294605K	294552K	648K	648K	648K	202K	/system/bin/tlog
1289	13207392K	299700K	294773K	294720K	648K	648K	648K	205K	/system/bin/tlog
1289	13207392K	299872K	294945K	294892K	648K	648K	648K	201K	/system/bin/tlog
1289	13207392K	300048K	295121K	295068K	644K	644K	644K	185K	/system/bin/tlog
1289	13207392K	300264K	295338K	295284K	644K	644K	644K	194K	/system/bin/tlog
1289	13207392K	300448K	295522K	295468K	636K	636K	636K	166K	/system/bin/tlog
1289	13207392K	300624K	295699K	295644K	636K	636K	636K	164K	/system/bin/tlog
1289	13207392K	300804K	295879K	295824K	632K	632K	632K	166K	/system/bin/tlog
1289	13207392K	300984K	296059K	296004K	632K	632K	632K	166K	/system/bin/tlog
1289	13207392K	301120K	296195K	296140K	632K	632K	632K	162K	/system/bin/tlog
1289	13207392K	301304K	296379K	296324K	632K	632K	632K	163K	/system/bin/tlog
1289	13207392K	301440K	296515K	296460K	632K	632K	632K	163K	/system/bin/tlog
1289	13207392K	301580K	296655K	296600K	632K	632K	632K	163K	/system/bin/tlog
1289	13207392K	301720K	296795K	296740K	632K	632K	632K	163K	/system/bin/tlog
1289	13207392K	301912K	296987K	296932K	628K	628K	628K	162K	/system/bin/tlog
1289	13207392K	302064K	297139K	297084K	616K	616K	616K	159K	/system/bin/tlog
1289	13207392K	302304K	297379K	297324K	616K	616K	616K	160K	/system/bin/tlog
1289	13207392K	302444K	297519K	297464K	616K	616K	616K	160K	/system/bin/tlog

2. 下一步，确认内存泄露点

#15 - 2023-05-27 17:30 - CD SYSTEM-夏旭

1. 已经能tlog重构，现在能抓取到tlog程序运行时，实时内存分配的情况

```
4096 bytes in 1 allocations from stack
__smakebuf+0xa4 [libc.so]
__swsetup+0xb0 [libc.so]
__sfvwrite+0x44 [libc.so]
fwrite+0xc4 [libc.so]
tlog::ZipEncryptWriter::encryptWrite(tlog::LogFileEntry*, unsigned char*, unsigned int)+0x224 [tlog]
tlog::ZipEncryptWriter::deflateEncryptWrite(tlog::LogFileEntry*, char*, unsigned long)+0x118 [tlog]
tlog::TLogWriter::writeToFile(LogData*)+0x13c0 [tlog]
tlog::PersistLogger::logCollectBI()+0x26c [tlog]
tlog::_handlerThread(void*) (.cfi)+0x4c [tlog]
__pthread_start(void*)+0x10c [libc.so]
__start_thread+0x48 [libc.so]
```

```
15872 bytes in 248 allocations from stack
operator new(unsigned long)+0x20 [libc++.so]
std::__1::basic_string<char, std::__1::char_traits<char>, std::__1::allocator<char> >::basic_string(std::__1::basic_string<char, std::__1::char_traits<char>,
std::__1::allocator<char> > const&)+0x74 [libc++.so]
tlog::TLogWriter::writeToFile(LogData*)+0xa14 [tlog]
tlog::PersistLogger::logCollectBI()+0x26c [tlog]
tlog::_handlerThread(void*) (.cfi)+0x4c [tlog]
__pthread_start(void*)+0x10c [libc.so]
__start_thread+0x48 [libc.so]
262144 bytes in 4096 allocations from stack
operator new(unsigned long)+0x20 [libc++.so]
std::__1::basic_string<char, std::__1::char_traits<char>, std::__1::allocator<char> >::basic_string(std::__1::basic_string<char, std::__1::char_traits<char>,
std::__1::allocator<char> > const&)+0x74 [libc++.so]
tlog::TLogWriter::writeToFile(LogData*)+0xcc0 [tlog]
tlog::PersistLogger::logCollectBI()+0x26c [tlog]
tlog::_handlerThread(void*) (.cfi)+0x4c [tlog]
__pthread_start(void*)+0x10c [libc.so]
__start_thread+0x48 [libc.so]
786432 bytes in 1 allocations from stack
operator new(unsigned long)+0x20 [libc++.so]
tlog::TLogWriter::writeToFile(LogData*)+0xc2c [tlog]
tlog::PersistLogger::logCollectBI()+0x26c [tlog]
tlog::_handlerThread(void*) (.cfi)+0x4c [tlog]
__pthread_start(void*)+0x10c [libc.so]
__start_thread+0x48 [libc.so]
```

2. 下一步，检查在内存分配的路径上可能存在的内存泄露问题

#16 - 2023-05-27 19:25 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
203005	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-dev	dingww0707@thundersoft.com
SYSTEM :Tlog: Reset after detecting Tlog memory anomalyWhen use __alloc_pages_slowpath path, detect tlog memory usage.If RSS Size exceeds 576MB, kill tlog frees memoryTlog automatically restarts to continue capturing logsTC-RID: 1200-0800102IssueID: TS-R-DF-118126Change-Id: Ie801e942bf364f378b2ef05b804241d41a526f26			

#17 - 2023-05-27 19:25 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
203013	general/vendor/thundercomm/tsnv	Pre_figure_turbox-c2130c-la1.1-vendor-dev	dingww0707@thundersoft.com

#18 - 2023-05-29 21:03 - CD SYSTEM-夏旭

1. 现在初步定位到代码中的模块
- 是因为在写log文件中，当写完一个文件后，再去新建一个log文件的，在这个过程中会造成内存泄露
2. 我们做过验证，只写一人文件，去查看相关的内存参数，并没有出现内存泄露的问题

#19 - 2023-05-31 18:58 - CD SYSTEM-胡兵

当前状态：

已定位到具体代码段问题，容器存储对象未释放导致，修改代码逻辑后，本地压力测试24小时(3s生成一个256k日志文件)，Tlog内存几乎没有变化，同样压测手法，修改前内存有明显增长。

下一步计划：

优化文件写入逻辑，本周合入优化方案

#20 - 2023-06-03 22:28 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
203640	general/platform/vendor/thundercomm/apps/LogSystem	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	xu.xia@thundersoft.com
SYSTEM :Tlog: tlog memory leakContinuously adding file names to the rotatedLogFileList without releasing them, resulting in memory leakage and no actual calls to the rotatedLogFileList. Therefore, the rotatedLogFileList was removedTC-RID: 1200-0800102IssueID: TS-R-BUG-118126Change-Id: Id6f8584c49e4e6ab0872a61a514d2e1770fb50b7			

#21 - 2023-06-03 22:32 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
204151	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-dev	wangxl0510@thundersoft.com
Revert SYSTEM :Tlog: Reset after detecting Tlog memory anomalyThis reverts commit 692bbc7cc36ac7bdc01b1d26cef6eb6e25783769.TC-RID: 1200-0102003IssueID: TS-R-DF-118126Change-Id: I286fa228b159b252a5cd7ff35291a184a518be8e			

#22 - 2023-06-03 22:32 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
204150	general/vendor/thundercomm/tsnv	Pre_figure_turbox-c2130c-la1.1-vendor-dev	wangxl0510@thundersoft.com

	r-dev	
Revert BSP:TSNV: update TSNV for Tlog workaroundThis reverts commit c106a3e1109eb6ca5e418aab26a370d180cef6fa.TC-RID: 1200-0102003IssueID: TS-R-DF-118126Change-Id: I01f9eb7dbcd623ebacea13b17661d27746f6eee5		

#23 - 2023-06-05 11:21 - CD SYSTEM-胡兵

- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD SYSTEM-夏旭 to CDTS_TEST 王成

正式方案已合入，请测试同学使用DB跑monkey验证

bug：tlog内存泄露导致副屏重启

提交：<https://dev.thundercomm.com/gerrit/c/general/platform/vendor/thundercomm/apps/LogSystem/+203640>

验证：其他的功能正常

user版本的VB：安装apk，monkey跑了5个小时，tlog的RSS内存一直是10M以内，tlog进程号没有改变也没有被杀掉

userdebug版本的VB：修改文件大小为10K，tlog的RSS内存一直是10M以内，tlog进程号没有改变也没有被杀掉

#24 - 2023-06-07 09:32 - CDTS_TEST 王成

客户反馈此BUG对应的测试环境没有连接AMP和中控，从日志分析结果看也没禁用音频，已关闭此BUG

#25 - 2023-06-07 09:32 - CDTS_TEST 王成

- Status changed from RESOLVED to VERIFIED

#26 - 2023-06-07 09:36 - CDTS_TEST 王成

- Status changed from VERIFIED to CLOSED