

Status:	ASSIGNED	Start date:	2023-06-05
Priority:	Normal	Due date:	
Assignee:	CD TPM-王祥林	% Done:	0%
Category:	黑屏	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	106（529版）
Resolution:	--	Degrated:	--
Severity:	Normal	Verified Version:	
Reproducibility:	Rarely	Fixed Version:	
Test Type:	Monkey Test	Root cause:	
Description			
【执行命令】 monkey --pkg-blacklist-file /sdcard/blacklist.txt --ignore-crashes --ignore-timeouts --ignore-security-exceptions --monitor-native-crashes --ignore-native-crashes -s 20 --throttle 500 --pct-touch 30 --pct-motion 15 --pct-nav 15 --pct-majornav 15 --pct-syskeys 5 --pct-appswitch 10 --pct-anyevent 10 --ignore-crashes -v -v -v 4432000 2>/sdcard/error.txt 1>/sdcard/info.txt 【测试结果】 monkey未执行完所有事件就黑屏了			

History

#1 - 2023-06-05 10:41 - CD TEST-方永红

ftp://cdiot@192.168.87.46/Pre_figure/Test_Log/118506

#2 - 2023-06-05 10:44 - CD TEST-方永红

- Category changed from SYSTEM to 黑屏

#3 - 2023-06-05 11:47 - CD SYSTEM-夏旭

1. 从dump解析出来kernel log看ADSP Crash，导致的问题

[277881.709717] type=1400 audit(1685818315.631:971552): avc: denied { kill } for comm="swapper/2" capability=5 scontext=u:r:kernel:s0 tcontext=u:r:kernel:s0 tclass=capability permissive=0

[277881.914762] Fatal error on adsp!

[277881.914853] adsp subsystem failure reason: DALInterruptController.c:388:Failed to register interrupt 16 in big image! Status: 30.

[277881.914900] subsys-restart: subsystem_restart_dev(): Restart sequence requested for adsp, restart_level = SYSTEM.

[277882.017039] Kernel panic - not syncing: subsys-restart: Resetting the SoC - adsp crashed.

2. 请adsp ownner 继续分析

3. 软件版本

ftp://cdiot@192.168.87.46/Pre_figure/ReleaseBuild/Pre_figure_turbox-c2130c-la1.1-qssi12-dev/user/20230529

#4 - 2023-06-05 18:19 - CD SYSTEM-胡兵

- Assignee changed from CD SYSTEM-夏旭 to CD TPM-王祥林

#5 - 2023-06-05 22:01 - CD TPM-王祥林

- Assignee changed from CD TPM-王祥林 to CD BSP 汪凯

汪凯

帮忙看一下。

#6 - 2023-06-13 15:03 - BSP组-RD3_TSCD 罗聪

之前将log提供给qcom：

高通通过他们的工具分析出来目前出现crash的问题已经确认在adsp里面，他们那边也会安排ADSP工程师进行检查。这个还是需要去继续追下高通。

on the crash dump, the error comes from ADSP interrupt. issue will be checked by ADSP engineer further.

高通同时也提供了ADSP里面crash的时候调用的堆栈。

Call Stacks

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File : core/systemdrivers/InterruptController/src/qurt/DALInterruptController.c

File Info:

/home/scm/jenkins/workspace/DailyBuild_for_IOT_6490/build-dir/Pre_figure_turbox-c2130c-la1.1-qssi12-dev-3688/BP-CODE/adsp_proc/core/systemdrivers/

InterruptController/src/qurt/DALInterruptController.c

-000|qurt_exception_raise_nonfatal()
-001|InterruptController_RegisterInterrupt()
-002|PdcGpio_Register()
-003|GPIOIntr_RegisterIsr()
-004|GPIOInt_RegisterIsr()
-005|pciedrv_gpio_register_isr()
-006|pciedrv_core_gateclkreq()
-007|pciedrv_core_l1ssto_handler()
-008|pciedrv_proc_l1ss_to_cmd()
-009|pciedrv_msg_proc()
-010|pcie_osal_thread_entry()
-011|_WorkLoopExecute()
-012|qurt_trampoline()
-013|qurt_trampoline()
----|end of frame

这个我们可以自己去调查下这些堆栈的调用，看看是否能挖掘出来一些信息。

#7 - 2023-06-14 20:36 - BSP组-RD3_TSCD 罗聪

- File add_ADSP_size.patch added

- Assignee changed from CD BSP 汪凯 to BSP组-RD3_TSCD 罗聪

根据高通的最新回复，导致crash的问题是因为ADSP的内存不够导致的，并给出了一个参考文档和相关思路：

Zhiping Pang
True 6/13/2023 3:14 AM 不是pcie模块的问题，而是大块内存耗尽了。ADSP侧只剩一些小内存块了。
所以，你们在出问题之前干啥了？

Zhiping Pang
True 6/14/2023 1:07 AM Please check KBA 210525013529.
Please change the {adsp}\config\8250.adsp\cust_config.xml
<heap_size name="heap_size" value = "0x180000" />
Please add at least 1 Mega bytes.

我这边根据文档修改了一部分，但是文档里面部分内容没有看明白，已经把修改的patch和不明白的地方给高通了，也继续在和高通沟通，希望他能够进行一个疑惑解答。
同时今天本地修改了部分代码，本地先验证下是否有效，是否能开机，如果可以，进行VB测试，看是否有改善，如果没有改善，则继续和高通查看patch内容，修改。

今天的patch已经上传附件

#8 - 2023-06-16 10:29 - BSP组-RD3_TSCD 罗聪

最新的apatch打入导致现在设备起不来，串口的log显示无法进入kernel。已经将完整的log和修改的patch给qcom了，他们那边也在分析！
最新的patch和启动log如下：
patch： add_ADSP_size-new.patch
LOG：串口输出.txt

#9 - 2023-06-16 11:01 - BSP组-RD3_TSCD 罗聪
- File add_ADSP_size-new.patch added
- File 串口输出.txt added

#10 - 2023-06-19 10:44 - BSP组-RD3_TSCD 罗聪
- Assignee changed from BSP组-RD3_TSCD 罗聪 to CD BSP 叶鹏

hi peng：
我们目前还是在尝试增加ADSP的的内存去避免因为内存不足导致的crash。
我们修改ADSP的内存，尝试去扩大2M的内存和1M的内存patch都已经上传，修改方案都是将ADSP的地址范围进行偏移，从现象看我们修改是生效了的，因为修改后从串口log中会出现相关的报错，目前的修改还是起不来。分析应该是修改了内核和对应的uefipil.cfg文件可能匹配校验还有问题，我们需要去修改正确。

最新的patch如下《add_ADSP_size-new.patch》之前添加2m内存，高通反馈内存有重复的问题，这次之修改了1m，但是还是不可以。
我也尝试不修改uefipil.cfg文件，但是还是起不来，内存还是有冲突，可能还需要去修改一些文件。
我这边也会继续和qcom进行沟通，看是否还需要有其他的其他地方进行修改。

谢谢！

#11 - 2023-06-21 22:04 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
208534	general/sipi_proc	Pre_figure_turbox-c2130c-la1.1-vendor-dev	yepeng0322@thundersoft.com
BSP:System: Increase the memory size of adspIncrease the memory size of adspTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: I6edacc5d2ff4347ef31b09980a00abb61cacedb8			

#12 - 2023-06-21 22:04 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
208533	general/adsp_proc	Pre_figure_turbox-c2130c-la1.1-vendor-dev	yepeng0322@thundersoft.com
BSP:System: Increase the memory size of adspIncrease the memory size of adspTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: I179c2b9563af52e9a2262c786369a6d199cc6efe			

#13 - 2023-06-21 22:04 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
208420	general/boot_images	Pre_figure_turbox-c2130c-la1.1-vendor-dev	yepeng0322@thundersoft.com
BSP:System: Increase the memory size of adspIncrease the memory size of adspTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: Ieb1b3d9986ac8d1257b0723c3c6aa14273d08ddd			

#14 - 2023-06-21 22:04 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
208416	general/trustzone_images	Pre_figure_turbox-c2130c-la1.1-vendor-dev	yepeng0322@thundersoft.com
BSP:System: Increase the memory size of adspIncrease the memory size of adspTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: Id62fa0e6a6316543059c0ec6df9ac8ad064ee673			

#15 - 2023-06-21 22:05 - IoT scm

Gerrit Merge Information :

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ID	Project	Branch	Uploader
208415	general/LINUX/android/vendor/qcom/proprietary	Pre_figure_turbox-c2130c-la1.1-vendor-dev	yepeng0322@thundersoft.com
BSP: System: Increase the memory size of adsp Increase the memory size of adsp TC-RID: 1201-0101106 IssueID: TS-R-DF-118506 Change-Id: I12db72e94266162ced2fc1b62729efcb9f1213ce			

#16 - 2023-06-25 21:58 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
209689	general/LINUX/android/vendor/qcom/proprietary	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP: System: Increase the memory size of adsp Increase the memory size of adsp TC-RID: 1201-0101106 IssueID: TS-R-DF-118506 Change-Id: I12db72e94266162ced2fc1b62729efcb9f1213ce (cherry picked from commit 3ced994d5824d244dd1042d6fcf5fc9417cb94d)			

#17 - 2023-06-25 21:58 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
209690	general/trustzone_images	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP: System: Increase the memory size of adsp Increase the memory size of adsp TC-RID: 1201-0101106 IssueID: TS-R-DF-118506 Change-Id: Id62fa0e6a6316543059c0ec6df9ac8ad064ee673 (cherry picked from commit 0709b21168f20d9ebada2564619870c856bbac40)			

#18 - 2023-06-25 21:59 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
209691	general/sipi_proc	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP: System: Increase the memory size of adsp Increase the memory size of adsp TC-RID: 1201-0101106 IssueID: TS-R-DF-118506 Change-Id: I6edacc5d2ff4347ef31b09980a00abb61cacedb8 (cherry picked from commit 5273fd4ff83d73266fab8e41bc222003a40e6ab)			

#19 - 2023-06-25 22:00 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
209692	general/adsp_proc	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP: System: Increase the memory size of adspIncrease the memory size of adspTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: I179c2b9563af52e9a2262c786369a6d199cc6efe(cherry picked from commit cdaa33fbaf60a6002baa9a4333c1cf35616cf7d4)			

#20 - 2023-06-25 22:00 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
209693	general/boot_images	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP: System: Increase the memory size of adspIncrease the memory size of adspTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: Ieb1b3d9986ac8d1257b0723c3c6aa14273d08ddd(cherry picked from commit 2c1d968820eabe5d1a0725a1ad3468be074a9dea)			

#21 - 2023-06-27 15:54 - CD BSP 叶鹏

- Status changed from New to RESOLVED

#22 - 2023-07-19 16:17 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
215153	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-dev	yepeng0322@thundersoft.com
BSP: System: Reset the adsp service while dasp crashesReset the adsp service while dasp crashesTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: Ia3eb521f101ed40114ff09b8bfe02cfb93b0884c			

#23 - 2023-07-19 16:17 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
215172	general/platform/vendor/thundercomm/apps/SlimbusEvent	Pre_figure_turbox-c2130c-la1.1-vendor-dev	yepeng0322@thundersoft.com

BSP:System: Reset the adsp service while dasp crashesReset the adsp service while dasp crashesTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: I04ab49431accfb87095928213a79ed2d4ac1a7d3

#24 - 2023-07-19 16:17 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
215775	general/vendor/thundercomm/produ ts/sepolicy_vndr	Pre_figure_turbox-c2130c-la1.1-vendo r-dev	yepeng0322@thundersoft.com
BSP:System: Reset the adsp service while dasp crashesAdd permissions for slimbus_eventTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: I51e9ca6905bf8e62ad4790891bf2bc2235a8854c			

#25 - 2023-07-19 16:17 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
215777	general/vendor/thundercomm/produ ts/figure	Pre_figure_turbox-c2130c-la1.1-vendo r-dev	yepeng0322@thundersoft.com
BSP:System: Reset the adsp service while dasp crashesReset the adsp service while dasp crashesTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: If2047665b061420fc5dc0b4d7e0649a80a8e65b6			

#26 - 2023-07-20 23:33 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
216260	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendo r-release_sorp	wangxl0510@thundersoft.com
BSP:System: Reset the adsp service while dasp crashesReset the adsp service while dasp crashesTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: Ia3eb521f101ed40114ff09b8bfe02cfb93b0884c(cherry picked from commit ffdcc33d17c331ff9b9ba236abf4911651c62992)			

#27 - 2023-07-20 23:33 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
216258	general/vendor/thundercomm/produ ts/sepolicy_vndr	Pre_figure_turbox-c2130c-la1.1-vendo r-release_sorp	wangxl0510@thundersoft.com

BSP:System: Reset the adsp service while dasp crashesAdd permissions for slimbus_eventTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: I51e9ca6905bf8e62ad4790891bf2bc2235a8854c(cherry picked from commit 8acc9702ac125b2af6273eb63be378af80d71a74)

#28 - 2023-07-20 23:33 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
216257	general/vendor/thundercomm/productions/figure	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP:System: Reset the adsp service while dasp crashesReset the adsp service while dasp crashesTC-RID: 1201-0101106IssueID: TS-R-DF-118506Change-Id: If2047665b061420fc5dc0b4d7e0649a80a8e65b6(cherry picked from commit ee4d3a875f113df3ad5b0623de3d507755d0384c)			

#29 - 2023-08-24 17:21 - CDTs_TEST 王成

- Status changed from RESOLVED to ASSIGNED
- Assignee changed from CD BSP 叶鹏 to CD TPM-王祥林

需要跟进处理

Files			
add_ADSP_size.patch	2.85 KB	2023-06-14	BSP组-RD3_TSCD 罗聪
add_ADSP_size-new.patch	3.36 KB	2023-06-16	BSP组-RD3_TSCD 罗聪
串口输出.txt	10.8 KB	2023-06-16	BSP组-RD3_TSCD 罗聪