

2.0基站产品化测试 - 错误 #2000

每TTI调度8UE，DU挂死

2024-07-30 10:10 - 匿名用户

状态:	已解决	开始日期:	2024-07-30
优先级:	普通	计划完成日期:	
指派给:		% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
问题归属:	DU	FPGA板卡类型:	
发现问题版本:	Rel_2.1.15P	CPU类型:	
目标解决问题版本:	Rel_2.1.15P		

描述

```
#0 0x00007fff5e5d428 in GI_raise (sig=sig@entry=6) at ../sysdeps/unix/sysv/linux/raise.c:54
#1 0x00007fff5e5f02a in _GI_abort () at abort.c:89
#2 0x00007fff5e55bd7 in __assert_fail_base (fmt=<optimized out>,
assertion=assertion@entry=0x11819a8 "(head != NULLP) && (tail != NULLP)",
file=file@entry=0x1181930 "/root/DU/ran/DU_Alpha_Rel/src/5gnr_cmn//cmn_gnb_du_buffer.c", line=line@entry=119,
function=function@entry=0x1181de0 <gnb_du::gnb_du_buffer::buffer_free()::_PRETTY_FUNCTION__> "void
gnb_du::gnb_du_buffer::buffer_free()") at assert.c:92
#3 0x00007fff5e55c82 in Glassert_fail (assertion=0x11819a8 "(head != NULLP) && (tail != NULLP)",
file=0x1181930 "/root/DU/ran/DU_Alpha_Rel/src/5gnr_cmn//cmn_gnb_du_buffer.c", line=119,
function=0x1181de0 <gnb_du::gnb_du_buffer::buffer_free()::_PRETTY_FUNCTION__> "void gnb_du::gnb_du_buffer::buffer_free()") at
assert.c:101
#4 0x00000000004787d3 in gnb_du::gnb_du_buffer::buffer_free (this=0x7fff488af420)
at /root/DU/ran/DU_Alpha_Rel/src/5gnr_cmn//cmn_gnb_du_buffer.c:119
#5 0x0000000000ba765f in kwAmmProcessPdus (gUeCb=0x7fff4cb9d820, rbCb=0x7fff409ef420, pduInfo=0x7fff8fb06030)
at /root/DU/ran/DU_Alpha_Rel/src/5gnrrlc/kw_amm_ul.c:555
#6 0x0000000000c4d3a2 in kwUtlRcvFrmLi (gUeCb=0x7fff4cb9d820, datIndInfo=0x7fff8fb06020)
at /root/DU/ran/DU_Alpha_Rel/src/5gnrrlc/kw_utl_ul.c:131
#7 0x0000000000bdd09b in KwLiRguDDatInd (gUeCb=0x7fff4cb9d820, datInd=0x7fff8fb06020)
at /root/DU/ran/DU_Alpha_Rel/src/5gnrrlc/kw_lim.c:110
#8 0x0000000000c2728b in kwUIActvUeTsk (tskInfo=0x7fff488d7620)
at /root/DU/ran/DU_Alpha_Rel/src/5gnrrlc/kw_ul_ue_hdl.c:432
#9 0x0000000000b952bb in gnb_du::gnb_du_ul_rlc_ue_entity::process_task (this=0x7fff409b9624,
p_task=0x7fff488d7620)
at /root/DU/ran/DU_Alpha_Rel/src/du_app/gnb_mgr/build/./include/gnb_du_worker_entity.h:222
#10 0x0000000000b8381a in gnb_du::gnb_du_worker_thread_instance::process_message (this=0x7fff40402b24,
p_task=0x7fff488d7620, priority=2)
at /root/DU/ran/DU_Alpha_Rel/src/du_app/gnb_mgr/build/./src/gnb_du_worker_thread.cpp:430
#11 0x00000000008fe23f in ngp::thread_pool<gnb_du::gnb_du_worker_thread_instance, ssTskInfo>::thread_worker::run (
---Type <return> to continue, or q <return> to quit---
```

历史记录

- #1 - 2024-07-30 10:11 - 匿名用户
- 文件 8UePerTti-DuDown.jpg 已添加

```
77155 [07-29 16:05:32.493][ERR_23]Invalid LCID:59 received
77156 [07-29 16:05:32.493][ERR_23]rgDUXDemuxData:failed to Extract the ces
77157 [07-29 16:05:32.493][ERR_23]RgLiFuDaTInd:DBG_CELLID[1]-DUX processing failed
77158 [07-29 16:05:32.493][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=991 pduCnt=3
77159 [07-29 16:05:32.493][ERR_23]RgLiFuDaTInd:DBG_CELLID[1]-DUX processing failed
77160 [07-29 16:05:32.493][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1093,pduActLen=517 pduCnt=3
77161 [07-29 16:05:32.493][ERR_23]RgLiFuDaTInd:DBG_CELLID[1]-DUX processing failed
77162 [07-29 16:05:32.493][ERR_23]Invalid LCID:49 received
77163 [07-29 16:05:32.493][ERR_23]rgDUXDemuxData:failed to Extract the ces
77164 [07-29 16:05:32.493][ERR_23]RgLiFuDaTInd:DBG_CELLID[1]-DUX processing failed
77165 [07-29 16:05:32.493][ERR_23]Invalid LCID:49 received
77166 [07-29 16:05:32.493][ERR_23]rgDUXDemuxData:failed to Extract the ces
77167 [07-29 16:05:32.493][ERR_23]RgLiFuDaTInd:DBG_CELLID[1]-DUX processing failed
77168 [07-29 16:05:32.493][DBG_23]rgSchvllIomCrcInd: UL CRC, cellId[1] ueId[17077] crcFail[0] procId[0] pdccchTime[365 12] pusChTime[365 18] ulNackCounter[375],ulAckCount
77169 [07-29 16:05:32.493][DBG_23]rgSchvllIomCrcInd: UL CRC, cellId[1] ueId[17069] crcFail[0] procId[13] pdccchTime[365 12] pusChTime[365 18] ulNackCounter[29],ulAckCount
<
[07-29 16:05:32.489][ERR_23]rgDUXDemuxData:failed to Extract the ces
76246: [07-29 16:05:32.489][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1003,pduActLen=274 pduCnt=1
76703: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=784 pduCnt=2
76707: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=481 pduCnt=3
76710: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=582 pduCnt=3
76715: [07-29 16:05:32.491][ERR_07]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=833 pduCnt=3
76716: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData:failed to Extract the ces
76790: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=334 pduCnt=2
76792: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=754,pduActLen=497 pduCnt=3
76795: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData:failed to Extract the ces
76797: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=560 pduCnt=3
76800: [07-29 16:05:32.491][ERR_23]rgDUXDemuxData:failed to Extract the ces
76846: [07-29 16:05:32.492][ERR_23]rgDUXDemuxData:failed to Extract the sds
76852: [07-29 16:05:32.492][ERR_23]rgDUXDemuxData:failed to Extract the ces
76858: [07-29 16:05:32.492][ERR_23]rgDUXDemuxData:failed to Extract the ces
76862: [07-29 16:05:32.492][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=279 pduCnt=2
76926: [07-29 16:05:32.492][ERR_07]rgDUXDemuxData:failed to Extract the ces
76931: [07-29 16:05:32.492][ERR_07]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=1123 pduCnt=3
76936: [07-29 16:05:32.492][ERR_07]rgDUXDemuxData:failed to Extract the sds
76949: [07-29 16:05:32.492][ERR_07]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=758 pduCnt=2
77156: [07-29 16:05:32.493][ERR_23]rgDUXDemuxData:failed to Extract the ces
77158: [07-29 16:05:32.493][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=991 pduCnt=3
77160: [07-29 16:05:32.493][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1093,pduActLen=517 pduCnt=3
77163: [07-29 16:05:32.493][ERR_23]rgDUXDemuxData:failed to Extract the ces
77166: [07-29 16:05:32.493][ERR_23]rgDUXDemuxData:failed to Extract the ces
77174: [07-29 16:05:32.493][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1335,pduActLen=588 pduCnt=3
77175: [07-29 16:05:32.493][ERR_23]rgDUXDemuxData: mac demux error!!! From phy:lcId=4,subPduLen=1238,pduActLen=274 pduCnt=1
```

#2 - 2024-07-30 10:12 - 匿名用户

挂死位置是上行AM 解包头地方错误了，释放内存里面的数据异常了。从log看PHY给了很多错误的数据包，DU解析有很多的LCID 错误的。应该是有某一个LCID 突破了保护，但是里面的数据又是错误的，所以导致里面的数据长度还有RLC包头，其实是不对的，按着固有的格式去解析，然后DU内存访问失败挂死了。

#3 - 2024-07-30 10:13 - 匿名用户

DU可以加保护，但无法从本质上解决问题。
DU已添加保护，并出版本，待验证。

#4 - 2024-07-30 10:13 - 匿名用户

- 状态 从 新建 变更为 进行中

#5 - 2024-07-30 19:13 - 匿名用户

- 状态 从 进行中 变更为 转测试

#6 - 2024-08-05 11:25 - 匿名用户

- 指派给 从 匿名用户 变更为 王旭初

#7 - 2024-09-13 14:25 - 王旭初

- 状态 从 转测试 变更为 已解决

- 指派给 已删除 (王旭初)

提供新版本，tti=8，跑了5h，运行稳定，未出现挂死

文件

8UePerTti-DuDown.jpg	898 KB	2024-07-30	匿名用户
----------------------	--------	------------	------