

2.0基站产品化测试 - 错误 #3029

17Ppre1，内存异常导致的du coredump挂死。

2025-03-27 11:03 - 孙 泽林

状态:	已关闭	开始日期:	2025-03-27
优先级:	普通	计划完成日期:	
指派给:	孙 泽林	% 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_2.1.17P	CPU类型:	
目标解决问题版本:	Rel_2.1.17P		
描述			
基站版本：17Ppre1 + 0319du 环境配置：600M，大上行配比，2t2r 测试方式：上下行udp灌包 问题现象：启动三层后，终端接入做上下行udp业务，在3分钟之内发生ducoredump挂死。 结果分析：研发分析为申请的内存不在起止范围内。 目前已提供新du包，待验证			

历史记录

- #1 - 2025-03-27 11:05 - 周 立伟
 - 文件 20250327-110520.jpg 已添加
 - 文件 20250327-110526.jpg 已添加
 - 状态从 新建 变更为 进行中

内存出现异常了，申请的内存不在内存池的起止范围

```
#0 0x00000000048732f in cDynAlloc (regionCb=0x50157e0, size=0x7f83066278dc, flags=0, ptr=0x7f8306627920, file=/home/zlw/du_push/ran/nr_hl_du/src/cm_mem_wl.c:2574)
at /home/zlw/du_push/ran/nr_hl_du/src/cm_mem_wl.c:2574
#1 0x0000000000f43d25 in SAlloc (region=0 '\000', size=0x7f83066278dc, flags=0, ptr=0x7f8306627920, file=/home/zlw/du_push/ran/nr_hl_du/src/mt/ss_mem.c:540)
at /home/zlw/du_push/ran/nr_hl_du/src/mt/ss_mem.c:540
#2 0x0000000000f4444a in SGetSBuf (region=0 '\000', pool=0 '\000', ptr=0x7f8306627920, size=1355, file=/home/zlw/du_push/ran/nr_hl_du/src/mt/ss_msg.c:1478)
at /home/zlw/du_push/ran/nr_hl_du/src/mt/ss_msg.c:1478
#3 0x00000000004ae4f2 in gnb_du::du_alloc_from_mem_pool (size=1355) at /home/zlw/du_push/ran/nr_hl_du/src/Sgnr_cm/mt/ss_msg.c:1478
#4 0x0000000000cde9e0 in rgDUExtSdu (pdu=0x7f82c0e38838, ceInfo=0x7f8306627ae0, p_ul_buf=0x7f828a5e2620, lcId=4 '\004', subPduLen=1335, err=0x7f8306627a30)
at /home/zlw/du_push/ran/nr_hl_du/src/Sgnr_cm/rg_dux.c:544
#5 0x0000000000cde9e0 in rgDUExtSdu (pdu=0x7f82c0e38838, ceInfo=0x7f8306627ae0, dBuf=0x7f828a5dc848, err=0x7f8306627a30) at /home/zlw/du_push/ran/nr_hl_du/src/Sgnr_cm/rg_dux.c:681
#6 0x0000000000f289b6 in RgLItdDataInd (gUeCb=0x7f828cb82820, datInfo=0x7f828a5dc820) at /home/zlw/du_push/ran/nr_hl_du/src/Sgnr_cm/rg_ul.c:645
#7 0x0000000000f17fac in rgActUeTsk (tskInfo=0x7f828a60a020) at /home/zlw/du_push/ran/nr_hl_du/src/Sgnr_cm/rg_ue_hdl.c:91
#8 0x0000000000b0c6e9 in gnb_du::gnb_du_mac_ue_entity::process_task (this=0x7f828a60a020, p_task=0x7f828a60a020)
at /home/zlw/du_push/ran/nr_hl_du/src/du_app/gnb_mgr/build/./include/gnb_du_worker_entity.h:242
#9 0x0000000000baab3c in gnb_du::gnb_du_worker_thread_instance::process_message (this=0x7f828a60a020, p_task=0x7f828a60a020, priority=1)
at /home/zlw/du_push/ran/nr_hl_du/src/du_app/gnb_mgr/build/./src/gnb_du_worker_thread.cpp:452
#10 0x000000000090a618 in ngp::thread_pool::gnb_du::gnb_du_worker_thread_instance, ssTskInfo::thread_worker::run (this=0x50711e0)
at /home/zlw/du_push/ran/nr_hl_du/src/du_app/gnb_mgr/build/./src/ngp/include/ngp_thread_pool.h:406
#11 0x0000000000fde3e7 in ngp::thread_entry_function (param=0x50711e0) at /home/zlw/du_push/ran/nr_hl_du/src/ngp_sys_thread.cpp:110
#12 ngp::thread_start (param=0x50711e0) at /home/zlw/du_push/ran/nr_hl_du/src/ngp_sys_thread.cpp:123
#13 0x00007f8306f456ba in start_thread (arg=0x7f8306627800) at pthread_create.c:333
#14 0x00007f8306c7b41d in clone () at ../sysdeps/unix/sysv/linux/x86_64/clone.S:109
(gdb)

(gdb) p osCp.globRegCb->bktTb[1]
$14 = {
  poolId = 1 '\001',
  size = 2048,
  listValidBktSet = {
    first = 0x5006f60,
    last = 0x5006d60,
    crnt = 0x0,
    count = 4056
  },
  listFreeBktSet = {
    first = 0x5006da0,
    last = 0x5006f20,
    crnt = 0x5006f20,
    count = 7
  },
  startAddr = 0x7f828ca40000 <error: Cannot access memory at address 0x7f828ca40000>,
  endAddr = 0x7f82cc1ff800 <error: Cannot access memory at address 0x7f82cc1ff800>,
  next = 0x0,
```

- #2 - 2025-04-01 15:08 - 周 立伟
 - 状态从 进行中 变更为 转测试
 - 指派给从 周立伟 变更为 孙泽林

已合入17P_T2

#3 - 2025-04-07 17:11 - 孙 泽林
- 状态 从 转测试 变更为 已关闭

17PT2未出现内存分配超界问题

文件				
ducoredump.rar	8.88 MB	2025-03-27		孙 泽林
20250327-110520.jpg	362 KB	2025-03-27		周 立伟
20250327-110526.jpg	66.5 KB	2025-03-27		周 立伟