

### 3.0基站产品测试 - 错误 #4841

#### 【3.2.1PRe1T1版本】 起站后du coredump

2026-02-03 15:38 - 韩钰

状态:	审视	开始日期:	2026-02-03
优先级:	一般	计划完成日期:	
指派给:	周立伟	% 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	目标解决问题版本:	Rel_3.2.1
发现问题版本:	Rel_3.2.1		

#### 描述

##### 【3.2.1PRe1T1版本】 起站后du coredump

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Buffer is Full 2, size=81920, write=81919, read=0, n_write=81919, n_read=0, nWriteFail=0,
nReadFail=0, rBuf=0xe465f0
OAM IPC IP Address :172.27.26.63 Port : 11565
read_flu_shm_config: shm_switch = 0, timer_interval = 0
free_idx 0
gnb_du_worker_thread_instance::on_init, tid[540970154864] REGIONID[0]
free_idx 1
gnb_du_worker_thread_instance::on_init, tid[540969102192] REGIONID[1]
thread_pool_instance_id0
start_socket_udp_client_thread,core_id[7],thread_instance_id[458752]app_cntrl::start_du_m
gr_tmr_thread core_id[7] timer_thread_inst_id[720896]!
gnb_du_socket_udp_client_thread::on_init, tid[540968049520] REGIONID[2]
gnb_du_oam_agent_thread::on_init, tid[540853386096] REGIONID[5]
gnb_du_phy_thread::on_init, tid[540857588592] REGIONID[3]
./run.sh: line 14: 1519 Segmentation fault (core dumped) ./gnb_du
root@driver:/yzmm/gnb/du/bin#
```

```
[New LWP 2242]
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/aarch64-linux-gnu/libthread_db.so.1".
Core was generated by './gnb_du'.
Program terminated with signal SIGSEGV, Segmentation fault.
#0 0x000007fa193f464 in std::_Rb_tree_insert_and_rebalance(bool, std::_Rb_tree_node_base*, std::_Rb_tree_node_base*, std::_Rb_tree_node_base6) () from /lib/aarch64-linux-gnu/libstdc++.so.6
[Current thread is 1 (Thread 0x70ed8fcb70 (LWP 2245))]
(gdb) bt
#0 0x000007fa193f464 in std::_Rb_tree_insert_and_rebalance(bool, std::_Rb_tree_node_base*, std::_Rb_tree_node_base*, std::_Rb_tree_node_base6) () from /lib/aarch64-linux-gnu/libstdc++.so.6
#1 0x000000000703e44 in std::_Rb_tree<int, std::pair<int const, char const*>, std::_Select1st<std::pair<int const, char const*>, >, std::less<int>, std::allocator<std::pair<int const, char const*> > >::_M_insert_node (
    __x=0x7cac080b0, __i=<optimized out>, __x=<optimized out>, this=<optimized out>) at /opt/gcc-linaro-7.5.0-2019.12-x86_64-aarch64-linux-gnu/aarch64-linux-gnu/include/c++/7.5.0/bits/stl_tree.h:2384
#2 std::_Rb_tree<int, std::pair<int const, char const*>, std::_Select1st<std::pair<int const, char const*>, >, std::less<int>, std::allocator<std::pair<int const, char const*> > >::_M_emplace_hint_unique<std::piecewise_construct_t, std::tuple<int66>, std::tuple<> >(std::_Rb_tree_const_iterator<std::pair<int const, char const*>, >, std::piecewise_construct_t const6, std::tuple<int66-66, std::tuple<-66> >::_M_pos=[first = 6, second = 0x0],
    this=<optimized out>) at /opt/gcc-linaro-7.5.0-2019.12-x86_64-aarch64-linux-gnu/aarch64-linux-gnu/include/c++/7.5.0/bits/stl_tree.h:2405
#3 std::map<int, char const*, std::less<int>, std::allocator<std::pair<int const, char const*> > >::operator[] ( _k=<optimized out>, this=<optimized out>)
    at /opt/gcc-linaro-7.5.0-2019.12-x86_64-aarch64-linux-gnu/aarch64-linux-gnu/include/c++/7.5.0/bits/stl_map.h:512
#4 gnb_du_gnb_du_mgr_timer_thread::on_init (this=<optimized out>) at /home/ziw/du_push/ran/r11_du/src/du_app/gnb_mgr/build/./src/gnb_du_mgr_timer_thread.cpp:18
#5 0x000000000903420 in thread_start () at /home/ziw/du_push/ngo/thread/build/./src/ngo_sys_thread.cpp:338
#6 0x000007fa1ae37e4 in start_thread (arg=0x7fe08095ff) at pthread_create.c:486
#7 0x000007fa171570c in thread_start () at ../sysdeps/unix/sysv/linux/aarch64/clone.S:78
(gdb)
```

#### 历史记录

#1 - 2026-02-06 09:37 - 周立伟

- 状态从新建 变更为 进行中

已定位，使用std::map<int, const char\*>\_g\_thread\_names在多线程启动时，存在并发抢资源问题。  
解决方案：改为const char \*\_g\_thread\_names[SS\_MAX\_STKS]修复多线程并发抢资源问题。

#2 - 2026-02-06 09:38 - 周立伟

- 状态从进行中 变更为 审视

按解决方案已修改自验通过，代码走查完成。

文件

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img_v3_02ui_cfdaef59-ca60-4d4a-80ca-c0d5b2aa134g.jpg	186 KB	2026-02-03	韩钰
img_v3_02ui_60996838-97db-4948-8f88-1cd00aa17c7g.jpg	341 KB	2026-02-03	韩钰