

AML-SW3-WiFi6 - Bug #3882

__kmem_cache_alloc_node crashed and ZTE133 reboot "Unable to handle kernel paging request at virtual address 0020202020202420" during 5G iperf UDP-RX RvR test on intel ax210

12/23/2025 14:54 - jie cheng

Status:	Resolved	Start date:	12/23/2025
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
□□□□ :	rel-v1.0.29	□□□□ :	100%

Description

1.0.29 FTTR TPT□□□□□□□□:

[2025-12-19_19:22:14.446]w3_drv: rd paddr=0xf7004440 val=0x000128c4

[2025-12-19_19:22:14.989]Unable to handle kernel paging request at virtual address 0034303237202420

[2025-12-19_19:22:15.005]Mem abort info:

[2025-12-19_19:22:15.005] ESR = 0x0000000096000004

[2025-12-19_19:22:15.005] EC = 0x25: DABT (current EL), IL = 32 bits

[2025-12-19_19:22:15.005] SET = 0, FnV = 0

[2025-12-19_19:22:15.005] EA = 0, S1PTW = 0

[2025-12-19_19:22:15.005] FSC = 0x04: level 0 translation fault

[2025-12-19_19:22:15.005]Data abort info:

[2025-12-19_19:22:15.005] ISV = 0, ISS = 0x00000004

[2025-12-19_19:22:15.005] CM = 0, WnR = 0

[2025-12-19_19:22:15.005][0034303237202420] address between user and kernel address ranges

[2025-12-19_19:22:15.005]Internal error: Oops: 0000000096000004 [#1] SMP

[2025-12-19_19:22:15.054]11930:48:58 [OSS_Modules linked in: w3(OE) usrlin_si(OE) nf_nat_tftp(E) nf_contrack_tftp(E)

nf_nat_pptp(E) nf_contrack_pptp(E) nf_nat_ftp(E) nf_contrack_ftp(E) nf_nat_sip(E) nf_contrack_sip(E) nf_conn(OE)

upload_optimize(OE) download(OE) olt_bob(OE) GN28L95 rtsp_alg(OE) dsp_dev(OE) voip_codec(OE) kudp(OE) optical(OE)

switch(OE) multicast(OE) netdriver(OE) ffe(OE) iprt(OE) wan_bridge(OE) region_init(OE) qos_mod(OE) zx_ponreg_133(OE)

woe_debug(OE) np_133(OE) ipsec(OE) ide(OE) nppt(OE) pps(OE) plat(OE) rlt8226b(OE) peripheral_201(OE) zxic_sensor(OE)

bspdriver(OE) [last unloaded: w3(OE)]

[2025-12-19_19:22:15.101]CPU: 1 PID: 8468 Comm: dropbear Tainted: G W OE 6.1.33 #5

[2025-12-19_19:22:15.101]Hardware name: ZTE 133 (DT)

[2025-12-19_19:22:15.101]httpd[Error] [opstate: 20000005 (nzCv daif PAN_UAO_TCO_DIT_SSBS_BTTYPE--)

[2025-12-19_19:22:15.101]ss_comm.c(2419)Sopc : __kmem_cache_alloc_node+0xb4/0x168

[2025-12-19_19:22:15.101]jcketSynSendMsg] lr : __kmem_cache_alloc_node+0x6c/0x168

[2025-12-19_19:22:15.101]SocketSynSendMsgsp : fffffc016ae32f0

[2025-12-19_19:22:15.101] sendto 0X000116x29: fffffc016ae32f0 x28: fffff80030b5068 x27: 00000000ffffff

[2025-12-19_19:22:15.101]x26: 000000000004282 x25: fffffc008aff130 x24: fffffc0084f8ee8

[2025-12-19_19:22:15.101]00 ERROR iLen=-1 x23: 0000000000000800 x22: 00000000ffffff x21: 0000000000082a20

[2025-12-19_19:22:15.133]x20: fffffc008a14000 x19: fffff8001001600 x18: 0000000000000000

[2025-12-19_19:22:15.133]errno=[111:Connex17: 000000ca00d800ec x16: 0000000800000000 x15: 13afaa514e09f747

[2025-12-19_19:22:15.133]ction refused]!!!x14: 21432f9ad4c157b0 x13: dc2cfa0f5e966a27 x12: f802673c13afaa51

[2025-12-19_19:22:15.133]

[2025-12-19_19:22:15.133]11930x:48:581 1: 0b58e6de185281f2 x10: 4418aa880cb887da x9 : 0000000000000000

[2025-12-19_19:22:15.133]OSS_httpd[Error] [oss_common.c(867)SSEND] [tr069_wlan][00030300] SSEND Send Message[0X2402] to [wlan_mgr][00011600] socket failed

[2025-12-19_19:22:15.181]11930:48:58 [tr069_wlan][Error] [wlan_pmapi.c(5034)pm_wlan_list_adj] send msg fail iRet:-3

[2025-12-19_19:22:15.181]11930:48:58 [OSS_httpd][Error] [oss_comm.c(2419)SocketSynSendMsg] SocketSynSendMsg sendto 0X00011600 ERROR iLen=-1 errno=[111:Connection refused]!!!

[2025-12-19_19:22:15.181]11930:48:58 [OSS_httpd][Error] [oss_common.c(867)SSEND] [tr069_wlan][00030300] SSEND Send Message[0X2402] to [wlan_mgr][00011600] socket failed

[2025-12-19_19:22:15.181]11930:48:58 [tr069_wlan][Error] [wlan_pmapi.c(5034)pm_wlan_list_adj] send msg fail iRet:-3

[2025-12-19_19:22:15.229]11930:48:58 [OSS_httpd][Error] [oss_comm.c(2419)SocketSynSendMsg] SocketSynSendMsg sendto 0X00011600 ERROR iLen=-1 errno=[111:Connection refused]!!!

[2025-12-19_19:22:15.229]11930:48:58 [OSS_httpd][Error] [oss_common.c(867)SSEND] [tr069_wlan][00030300] SSEND Send Message[0X2402] to [wlan_mgr][00011600] socket failed

[2025-12-19_19:22:15.229]11930:48:58 [tr069_wlan][Error] [wlan_pmapi.c(5034)pm_wlan_list_adj] send msg fail iRet:-3

[2025-12-19_19:22:15.229]11930:48:58 [OSS_httpd][Error] [oss_comm.c(2419)SocketSynSendMsg] SocketSynSendMsg sendto 0X00011600 ERROR iLen=-1 errno=[111:Connection refused]!!!

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[2025-12-19_19:22:15.277]11930:48:58 [OSS_httpd][Error] [oss_common.c(867)SSEND] [tr069_wlan][00030300] SSEND Send Message[0X2402] to [wlan_mgr][00011600] socket failed
[2025-12-19_19:22:15.277]11930:48:58 [tr069_wlan][Error] [wlan_pmapi.c(5034)pm_wlan_list_adj] send msg fail iRet:-3
[2025-12-19_19:22:15.277]x8 : fffff8001a82138 x7 : 00000000ffffff x6 : 0000000000082a20
[2025-12-19_19:22:15.277]x5 : 0000000000000800 x4 : fffff801fea5130 x3 : 0000000000000001
[2025-12-19_19:22:15.277]x2 : 0000000000000400 x1 : 0000000000082a20 x0 : 3134303237202020
[2025-12-19_19:22:15.277]Call trace:
[2025-12-19_19:22:15.277] __kmem_cache_alloc_node+0xb4/0x168
[2025-12-19_19:22:15.277] __kmalloc_node_track_caller+0x48/0x58
[2025-12-19_19:22:15.277] kmalloc_reserve+0x50/0xb0
[2025-12-19_19:22:15.277] __alloc_skb+0x118/0x214
[2025-12-19_19:22:15.314] skb_segment+0x45c/0x9c4
[2025-12-19_19:22:15.314] tcp_gso_segment+0xf4/0x3f0
[2025-12-19_19:22:15.314] tcp4_gso_segment+0x8c/0xa0
[2025-12-19_19:22:15.314] inet_gso_segment+0x174/0x2f4
[2025-12-19_19:22:15.314] skb_mac_gso_segment+0x90/0xf0
[2025-12-19_19:22:15.314] __skb_gso_segment+0xb8/0x10c
[2025-12-19_19:22:15.314] validate_xmit_skb+0x94/0x1d0
[2025-12-19_19:22:15.314] __dev_queue_xmit+0x56c/0x684
[2025-12-19_19:22:15.314] ip_finish_output2+0x28c/0x2f0
[2025-12-19_19:22:15.314] __ip_finish_output+0xf0/0x14c
[2025-12-19_19:22:15.314] ip_output+0x7c/0xb4
[2025-12-19_19:22:15.314] dst_output+0x18/0x20
[2025-12-19_19:22:15.314] ip_local_out+0x38/0x48
[2025-12-19_19:22:15.314]11930:48:58 [OSS __ip_queue_xmit+0x288/0x2f4
[2025-12-19_19:22:15.314]pc][Warn] [pc.c(1585)ScanProgram] scan: hol23158 died counter=1
[2025-12-19_19:22:15.359]11930:48:58 [OSS_pc][Warn] [pc.c(1601)ScanProgram] hol23158 delay restart
[2025-12-19_19:22:15.359] ip_queue_xmit+0x10/0x18
[2025-12-19_19:22:15.359] __tcp_transmit_skb+0x77c/0x804
[2025-12-19_19:22:15.359] tcp_transmit_skb+0x10/0x18
[2025-12-19_19:22:15.359] tcp_write_xmit+0x52c/0xbc0
[2025-12-19_19:22:15.359] __tcp_push_pending_frames+0x38/0x7c
[2025-12-19_19:22:15.359] tcp_push+0x90/0x11c
[2025-12-19_19:22:15.359] tcp_sendmsg_locked+0x6cc/0x8ec
[2025-12-19_19:22:15.359] tcp_sendmsg+0x30/0x50
[2025-12-19_19:22:15.359] inet_sendmsg+0x40/0x58
[2025-12-19_19:22:15.359] sock_sendmsg+0x38/0x50
[2025-12-19_19:22:15.359] sock_write_iter+0xa8/0xe8
[2025-12-19_19:22:15.359] do_iter_readv_writev+0xe0/0x118
[2025-12-19_19:22:15.359] do_iter_write+0x78/0xb8
[2025-12-19_19:22:15.359] vfs_writev+0x74/0xb8
[2025-12-19_19:22:15.359] do_writev+0x80/0xd8
[2025-12-19_19:22:15.359] __arm64_sys_writev+0x18/0x20
[2025-12-19_19:22:15.405] invoke_syscall+0x74/0x108
[2025-12-19_19:22:15.405] el0_svc_common.constprop.3+0xac/0xe8
[2025-12-19_19:22:15.405] do_el0_svc_compat+0x18/0x2c
[2025-12-19_19:22:15.405] el0_svc_compat+0x1c/0x44
[2025-12-19_19:22:15.405] el0t_32_sync_handler+0xb0/0xfc
[2025-12-19_19:22:15.405] el0t_32_sync+0x160/0x164
[2025-12-19_19:22:15.405]Code: 97fff8d1 f90037a0 1400000e b9402a62 (f8626819)
[2025-12-19_19:22:15.405]---[ end trace 0000000000000000 ]---
[2025-12-19_19:22:15.405]Kernel panic - not syncing: Oops: Fatal exception in interrupt
[2025-12-19_19:22:15.405]SMP: stopping secondary CPUs
[2025-12-19_19:22:15.405]Kernel Offset: disabled
[2025-12-19_19:22:15.405]CPU features: 0x00000,00800084,0000420b
[2025-12-19_19:22:15.405]Memory Limit: none
[2025-12-19_19:22:15.405]w3_drv: amlogic 11ax WLAN driver:
[2025-12-19_19:22:15.454]w3_drv: - release: rel-v1.0.29
[2025-12-19_19:22:15.454]w3_drv: - build : sw - 2025-12-16 12:15:04
[2025-12-19_19:22:15.454]w3_drv: - commit : 1ed18389 (v1216-tput-release)
[2025-12-19_19:22:15.454]Rebooting in 2 seconds..
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History

#1 - 12/23/2025 16:08 - □ □

- Status changed from New to In Progress

[2025-12-19_19:22:14.446]w3_drv: rd paddr=0xf7004440 val=0x000128c4
[2025-12-19_19:22:14.989]Unable to handle kernel paging request at virtual address 0034303237202420
[2025-12-19_19:22:15.005][0034303237202420] address between user and kernel address ranges

[last unloaded: w3(OE)]

5G UDP RX RvR Unable to handle kernel paging request kmem_cache_alloc_node taint
w3(OE) w3 / panic
unload

#2 - 12/24/2025 16:55 - jie cheng

wrote:

[2025-12-19_19:22:14.446]w3_drv: rd paddr=0xf7004440 val=0x000128c4
[2025-12-19_19:22:14.989]Unable to handle kernel paging request at virtual address 0034303237202420
[2025-12-19_19:22:15.005][0034303237202420] address between user and kernel address ranges

[last unloaded: w3(OE)]

5G UDP RX RvR Unable to handle kernel paging request kmem_cache_alloc_node taint
w3(OE) w3 / panic
unload

w3router w3 oom kill cspd oom killer cspd w3 oom,
memory 2m ftr memory

#3 - 01/19/2026 10:13 - jie cheng

- Status changed from In Progress to Resolved

optimized and resolved on release rel-v1.0.31

Files

zte133-reboot-rvr-5g-udp-rx-2db-1.0.29.7z	1.47 MB	12/23/2025	jie cheng
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