



GIFLIB Bugs

A library and utilities for processing GIFs Brought to you by: abadger1999, esr

#157 An OutofMemory-Exception or Memory Leak in gif2rgb

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Milestone: v1.0 (example) Priority: 1 Status: open

Labels: None

Private: No

System Env

Ubuntu 16.04(server)

Kernel: Linux ubuntu 5.0.5-050005-generic #201903271212 SMP Wed Mar 27 16:14:07 UTC 2019 x8664 x8664 x8664 GNU/Linux

Owner: nobody

gif2rgb 5.14

gcc version 7.5.0 (Ubuntu 7.5.0-3ubuntu1~18.04)

Configure

 $export\ CFLAGS="-g\ -fsanitize=address\ -fno-omit-frame-pointer"\ \setminus$ export LDFLAGS="-g -fsanitize=address -fno-omit-frame-pointer"

Command

./gif2rgb @@

Output

```
[ 4389.814860] Call Trace:
  4389.815518] dump stack+0x63/0x8a
 [ 4389.815529] dump header+0x54/0x308
 [ 4389.815540] ? sched clock+0x9/0x10
 [ 4389.815549] oom kill process.cold.29+0xb/0x1d6
 [ 4389.815558] out of memory+0x1bc/0x480
 [ 4389.815568] __alloc_pages_slowpath+0xb68/0xea0
 [ 4389.815578]
                  alloc pages nodemask+0x2c4/0x2e0
 [ 4389.815589] alloc_pages_current+0x81/0xe0
 [ 4389.815599] __page_cache_alloc+0x6a/0xa0
 [ 4389.815609] filemap fault+0x403/0x8a0
 [ 4389.815619] ? xas_load+0xc/0x80
 [ 4389.815628] ? xas find+0x157/0x190
 [ 4389.815637] ? filemap_map_pages+0x84/0x380
 [ 4389.815647] ext4 filemap fault+0x31/0x44
  4389.815657] __do_fault+0x3c/0x130
[ 4389.815667] __handle_mm_fault+0xe4b/0x1280
[ 4389.815677] ? __switch_to_asm+0x34/0x70
 [ 4389.815687] handle_mm_fault+0xe1/0x210
  4389.815696] __do_page_fault+0x23a/0x4c0
 [ 4389.815706] do_page_fault+0x2e/0xe0
  4389.815715] ? page_fault+0x8/0x30
 [ 4389.815723] page_fault+0x1e/0x30
  4389.815743] RIP: 0033:0x560d4760fed8
 [ 4389.815755] Code: Bad RIP value.
  4389.815763] RSP: 002b:000000c420251cb0 EFLAGS: 00010283
 [ 4389.815771] RAX: 0000560d491fcde0 RBX: 00000000000001 RCX: 0000560d48a716c0
  4389.815780] RDX: 0000000000000018 RSI: 40442b34b36c38f7 RDI: 000000c420413970
 [ 4389.815788] RBP: 000000c420251ce0 R08: 00007fff4c5c30b0 R09: 00007fff4c5c3080
 [ 4389.815796] R10: 000000000000a1c8e R11: 000000000001125 R12: 00000000000000
 [ 4389.815803] R13: 0000000000000018 R14: 00000000000054 R15: 00000000000100
 [ 4389.815812] Mem-Info:
 [ 4389.815823] active_anon:772579 inactive_anon:154814 isolated_anon:0
                 active_file:14 inactive_file:19 isolated_file:0
                 unevictable:0 dirty:0 writeback:0 unstable:0
                 slab_reclaimable:9443 slab_unreclaimable:19149
                 mapped:21 shmem:1 pagetables:4096 bounce:0
                 free:21609 free_pcp:0 free_cma:0
[ 4389.815832] Node 0 active_anon:3090316kB inactive_anon:619256kB active_file:56kB inactiv
 [ 4389.815840] Node 0 DMA free:15620kB min:268kB low:332kB high:396kB active_anon:252kB ina
 [ 4389.815850] lowmem_reserve[]: 0 2908 3843 3843 3843
 [ 4389.815859] Node 0 DMA32 free:54632kB min:50932kB low:63664kB high:76396kB active anon:2
[ 4389.815932] Node 0 hugepages_total=0 hugepages_free=0 hugepages_surp=0 hugepages_size=10
 [ 4389.815940] Node 0 hugepages_total=0 hugepages_free=0 hugepages_surp=0 hugepages_size=20
 [ 4389.815948] 116 total pagecache pages
 [ 4389.815957] 25 pages in swap cache
 [ 4389.815965] Swap cache stats: add 1380554, delete 1380498, find 9812/20857
 [4389.815973] Free swap = 0kB
 [ 4389.815981] Total swap = 998396kB
 [ 4389.815989] 1048429 pages RAM
 [ 4389.815996] O pages HighMem/MovableOnly
 [ 4389.816004] 45224 pages reserved
 [ 4389.816012] O pages cma reserved
 [ 4389.816019] O pages hwpoisoned
 [ 4389.816027] Tasks state (memory values in pages):
[ 4389.816035] [ pid ] uid tgid total_vm
                                                    rss pgtables_bytes swapents oom_score_ad
[ 4389.817580] [ 1640] 0 1640 5702 1 90112
[ 4389.817588] [ 1901] 0 1901 24862 9 233472
                                                                     477
238
                                                                                       0 bash
                                                                                       0 sshd
                                                                                     0 bash
[ 4389.817597] [ 1956] 0 1956 5724 61 86016 439 [ 4389.817607] [ 2416] 0 2416 5368727780 926778 11087872 221610
                                                                                        0 gi
 [ 4389.817615] oom-kill:constraint=CONSTRAINT NONE, nodemask=(null),cpuset=/,mems allowed=0,
 [ 4389.817643] Out of memory: Kill process 2416 (gif2rgb) score 918 or sacrifice child
 [ 4389.819906] Killed process 2416 (gif2rgb) total-vm:21474911120kB, anon-rss:3707108kB, fi
 [ 4389.912731] oom reaper: reaped process 2416 (gif2rgb), now anon-rss:0kB, file-rss:0kB,
1 Attachments
out-of-memory-expection-or-memory-leak.zip
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