

- everestsummer changed the title Fix 2 security problems found by fuzzer Fix 3 security problems found by fuzzer on Aug 20
- everestsummer added 3 commits 3 months ago
- -O- Fix: Security: Infinite loop in discard sub blocks bdfad6b
- -O- Fix: Security: Infinite loop in read\_ext 271d1d2
- -O- 
  □ Fix: Security: Prevent i from being overflowed to negative value (and... ... b17f410

## TinyNiko commented on Oct 16 • edited •

==69822==ERROR: AddressSanitizer: heap-use-after-free on address 0x61c00000c0c1 at pc 0x00000051898b bp 0x7fffffffcd10 sp 0x7fffffffcd08

WRITE of size 1 at 0x61c00000c0c1 thread T0

#0 0x51898a in read\_image\_data /home/niko/gitrepo/gifdec/gifdec.c:409:66

- #1 0x51570d in read\_image /home/niko/gitrepo/gifdec/gifdec.c:462:12
- #2 0x513f2a in gd\_get\_frame /home/niko/gitrepo/gifdec/gifdec.c:521:9
- #3 0x51b2b1 in main /home/niko/gitrepo/gifdec/example.c:84:15
- #4 0x7ffff6af0c86 in \_\_libc\_start\_main /build/glibc-CVJwZb/glibc-2.27/csu/../csu/libc-start.c:310
- #5 0x41a609 in \_start (/home/niko/gitrepo/gifdec/example+0x41a609)

0x61c00000c0c1 is located 65 bytes inside of 1800-byte region [0x61c00000c080,0x61c00000c788) freed by thread T0 here:

#0 0x4da2f0 in \_\_interceptor\_free.localalias.0 (/home/niko/gitrepo/gifdec/example+0x4da2f0)

#1 0x7fffea7b7d1a (/usr/lib/x86\_64-linux-gnu/dri/vmwgfx\_dri.so+0x464d1a)

previously allocated by thread T0 here:

#0 0x4da4c0 in \_\_interceptor\_malloc (/home/niko/gitrepo/gifdec/example+0x4da4c0)

#1 0x7fffea7ba11c (/usr/lib/x86\_64-linux-gnu/dri/vmwgfx\_dri.so+0x46711c)

SUMMARY: AddressSanitizer: heap-use-after-free /home/niko/gitrepo/gifdec/gifdec.c:409:66 in

read\_image\_data

Shadow bytes around the buggy address:

Shadow byte legend (one shadow byte represents 8 application bytes):

Addressable: 00

Partially addressable: 01 02 03 04 05 06 07

Heap left redzone: fa Freed heap region: fd Stack left redzone: f1 Stack mid redzone: f2 Stack right redzone: f3 Stack after return: f5

Stack use after scope: f8

Global redzone: f9 Global init order: f6 Poisoned by user: f7 Container overflow: fc

Array cookie: ac

Intra object redzone: bb

ASan internal: fe

Left alloca redzone: ca Right alloca redzone: cb ==69822==ABORTING

.

TinyNiko commented 18 days ago

@everestsummer CVE-2022-43359 assigned

Reviewers

No reviews

Assignees
No one assigned
Labels
None yet
Projects
None yet
Milestone
No milestone
Development
Successfully merging this pull request may close these issues.
None yet
2 participants