

REDO TASK

DELETE

OVERVIEW

Crash State: ndlz8_decompress
blosc_d
do_job


Crash Type: Heap-buffer-overflow READ 4

Crash Address: 0x6040000000c0

Issue: None

Fuzzing Engine: libFuzzer

Project: test-project

Related: Group 790 

Fixed: NO


Created: Wed, Nov 17, 2021, 10:09 PM


Sanitizer: address (ASAN)


Platform: linux


Fuzz Target: decompress_chunk_fuzzer


Job Type: c-blosc2_libfuzzer_asan


Security: YES (Medium) 

Reliably Reproduces: YES 


Minimized Testcase:  (48 B)

Unminimized Testcase:  (48 B)

Re-upload Testcase: 

Build: 

LAST TESTED REVISION	REGRESSION REVISION RANGE
1:1 (No component revisions found!)	NA

CRASH STACKTRACE 

--- LAST TESTED STACKTRACE (97 LINES) -----

1 [Environment] ASAN_OPTIONS=exitcode=77

2 +-----Release Build Stacktrace-----+

3 Command: /clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer -rss_limit_mb=2560 -timeout=60 -runs=100 /clusterfuzz/run_bot/clusterfuzz/bot/inputs/fuzzer-testcases/crash-9f1cc8a1f781b603b60a40d07c75fada3aff7d71

4 Time ran: 0.020229101181030273

5

6 INFO: Running with entropic power schedule (0xFF, 100).

7 INFO: Seed: 4187480574

8 INFO: Loaded 1 modules (53183 inline 8-bit counters): 53183 [0xd10cc0, 0xd1dc7f),

9 INFO: Loaded 1 PC tables (53183 PCs): 53183 [0xbe67c0,0xcb63b0),

10 /clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer: Running 1 inputs 100 time(s) each.

11 Running: /clusterfuzz/run_bot/clusterfuzz/bot/inputs/fuzzer-testcases/crash-9f1cc8a1f781b603b60a40d07c75fada3aff7d71

12 =====

13 ==170707==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6040000000c0 at pc 0x000000abd8c5 bp 0x7ffef4de0170 sp 0x7ffef4de0168

14 READ of size 4 at 0x6040000000c0 thread T0

15 #0 0xabd8c4 in ndlz8_decompress /src/c-blosc2/plugins/codecs/ndlz/ndlz8x8.c:457:3

16 #1 0x5749c4 in blosc_d /src/c-blosc2/blosc/blosc2.c:1639:22

17 #2 0x566527 in serial_blosc /src/c-blosc2/blosc/blosc2.c:1736:16

18 #3 0x566527 in do_job /src/c-blosc2/blosc/blosc2.c:1901:15

19 #4 0x56d64c in blosc_run_decompression_with_context /src/c-blosc2/blosc/blosc2.c:2541:13

20 #5 0x56dd39 in blosc2_decompress /src/c-blosc2/blosc/blosc2.c:2609:12

21 #6 0x55dcd6 in LLVMFuzzerTestOneInput /src/c-blosc2/tests/fuzz/fuzz_decompress_chunk.c:34:5

22 #7 0x456c03 in fuzzer::Fuzzer::ExecuteCallback(unsigned char const*, unsigned long) cxa_noexception.cpp:0

23 #8 0x4424b2 in fuzzer::RunOneTest(fuzzer::Fuzzer*, char const*, unsigned long) /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerDriver.cpp:324:6

24 #9 0x447f65 in fuzzer::FuzzerDriver(int*, char***, int (*)(unsigned char const*, unsigned long)) cxa_noexception.cpp:0

25 #10 0x470c62 in main /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerMain.cpp:20:10

26 #11 0x7fcf355e00b2 in __libc_start_main

27 #12 0x41f74d in _start

28

29 0x6040000000c0 is located 0 bytes to the right of 48-byte region [0x604000000090,0x6040000000c0)

30 allocated by thread T0 here:

31 #0 0x524d6d in __interceptor_malloc /src/llvm-project/compiler-rt/lib/asan/asan_malloc_linux.cpp:129:3

32 #1 0x4384f7 in operator new(unsigned long) cxa_noexception.cpp:0

33 #2 0x4424b2 in fuzzer::RunOneTest(fuzzer::Fuzzer*, char const*, unsigned long) /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerDriver.cpp:324:6

34 #3 0x447f65 in fuzzer::FuzzerDriver(int*, char***, int (*)(unsigned char const*, unsigned long)) cxa_noexception.cpp:0

35 #4 0x470c62 in main /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerMain.cpp:20:10

36 #5 0x7fcf355e00b2 in __libc_start_main

37

38 SUMMARY: AddressSanitizer: heap-buffer-overflow (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0xabd8c4)

39 Shadow bytes around the buggy address:

40 0x0c087fff7fc0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

41 0x0c087fff7fd0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

42 0x0c087fff7fe0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

43 0x0c087fff7ff0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

44 0x0c087fff8000: fa fa 00 00 00 00 00 00 fa fa 00 00 00 00 00 00

45 =>0x0c087fff8010: fa fa 00 00 00 00 00 00[fa]fa 00 00 00 00 00 00

46 0x0c087fff8020: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

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Heap-buffer-overflow READ 4 · ndlz8_decompress

47 0x0c087fff8030: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

48 0x0c087fff8040: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

49 0x0c087fff8050: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

50 0x0c087fff8060: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

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

52 Addressable: 00

53 Partially addressable: 01 02 03 04 05 06 07

54 Heap left redzone: fa

55 Freed heap region: fd

56 Stack left redzone: f1

57 Stack mid redzone: f2

58 Stack right redzone: f3

59 Stack after return: f5

60 Stack use after scope: f8

61 Global redzone: f9

62 Global init order: f6

63 Poisoned by user: f7

64 Container overflow: fc

65 Array cookie: ac

66 Intra object redzone: bb

67 ASan internal: fe

68 Left alloca redzone: ca

69 Right alloca redzone: cb

70 ==170707==ABORTING

71

72

73 +-----Release Build Unsymbolized Stacktrace (diff)-----+

74

75 ==170707==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6040000000c0 at pc 0x000000abd8c5 bp 0x7ffef4de0170 sp 0x7ffef4de0168

76 READ of size 4 at 0x6040000000c0 thread T0

77 #0 0xabd8c4 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0xabd8c4)

78 #1 0x5749c4 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x5749c4)

79 #2 0x566527 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x566527)

80 #3 0x56d64c (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x56d64c)

81 #4 0x56dd39 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x56dd39)

82 #5 0x55dcd6 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x55dcd6)

83 #6 0x456c03 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x456c03)

84 #7 0x4424b2 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x4424b2)

85 #8 0x447f65 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x447f65)

86 #9 0x470c62 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x470c62)

87 #10 0x7fcf355e00b2 (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)

88 #11 0x41f74d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x41f74d)

89

90 0x6040000000c0 is located 0 bytes to the right of 48-byte region [0x604000000090,0x6040000000c0)

91 allocated by thread T0 here:

92 #0 0x524d6d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x524d6d)

93 #1 0x4384f7 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x4384f7)

94 #2 0x4424b2 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x4424b2)

95 #3 0x447f65 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x447f65)

96 #4 0x470c62 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x470c62)

97 #5 0x7fcf355e00b2 (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)

--- ORIGINAL STACKTRACE ON REVISION 1 (97 LINES) -----

1 [Environment] ASAN_OPTIONS=exitcode=77

2 +-----Release Build Stacktrace-----+

3 Command: /clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer -rss_limit_mb=2560 -timeout=60 -runs=100 /clusterfuzz/run_bot/clusterfuzz/bot/inputs/fuzzer-testcases/24a6684220b8301641f4ab3b1daca184f781b603b60a40d07c75fada3aff7d71

4 Time ran: 0.019989728927612305

5

6 INFO: Running with entropic power schedule (0xFF, 100).

7 INFO: Seed: 4097092354

8 INFO: Loaded 1 modules (53183 inline 8-bit counters): 53183 [0xd10cc0, 0xd1dc7f),

9 INFO: Loaded 1 PC tables (53183 PCs): 53183 [0xbe67c0,0xcb63b0),

10 /clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer: Running 1 inputs 100 time(s) each.

11 Running: /clusterfuzz/run_bot/clusterfuzz/bot/inputs/fuzzer-testcases/24a6684220b8301641f4ab3b1daca184f781b603b60a40d07c75fada3aff7d71

12 =====

13 ==6738==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6040000000c0 at pc 0x000000abd8c5 bp 0x7ffd5a131830 sp 0x7ffd5a131828

14 READ of size 4 at 0x6040000000c0 thread T0

15 #0 0xabd8c4 in ndlz8_decompress /src/c-blosc2/plugins/codecs/ndlz/ndlz8x8.c:457:3

16 #1 0x5749c4 in blosc_d /src/c-blosc2/blosc/blosc2.c:1639:22

17 #2 0x566527 in serial_blosc /src/c-blosc2/blosc/blosc2.c:1736:16

18 #3 0x566527 in do_job /src/c-blosc2/blosc/blosc2.c:1901:15

19 #4 0x56d64c in blosc_run_decompression_with_context /src/c-blosc2/blosc/blosc2.c:2541:13

20 #5 0x56dd39 in blosc2_decompress /src/c-blosc2/blosc/blosc2.c:2609:12

192.168.12.222:9000/testcase-detail/829

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Heap-buffer-overflow READ 4 · ndlz8_decompress

21

#6 0x55dcd6 in LLVMFuzzerTestOneInput /src/c-blosc2/tests/fuzz/fuzz_decompress_chunk.c:34:5

22

#7 0x456c03 in fuzzer::Fuzzer::ExecuteCallback(unsigned char const*, unsigned long) cxa_noexception.cpp:0

23

#8 0x4424b2 in fuzzer::RunOneTest(fuzzer::Fuzzer*, char const*, unsigned long) /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerDriver.cpp:324:6

24

#9 0x447f65 in fuzzer::FuzzerDriver(int*, char***, int (*)(unsigned char const*, unsigned long)) cxa_noexception.cpp:0

25

#10 0x470c62 in main /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerMain.cpp:20:10

26

#11 0x7f43bf7cf0b2 in __libc_start_main

27

#12 0x41f74d in _start

28

29

0x6040000000c0 is located 0 bytes to the right of 48-byte region [0x604000000090,0x6040000000c0)

30

allocated by thread T0 here:

31

#0 0x524d6d in __interceptor_malloc /src/llvm-project/compiler-rt/lib/asan/asan_malloc_linux.cpp:129:3

32

#1 0x4384f7 in operator new(unsigned long) cxa_noexception.cpp:0

33

#2 0x4424b2 in fuzzer::RunOneTest(fuzzer::Fuzzer*, char const*, unsigned long) /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerDriver.cpp:324:6

34

#3 0x447f65 in fuzzer::FuzzerDriver(int*, char***, int (*)(unsigned char const*, unsigned long)) cxa_noexception.cpp:0

35

#4 0x470c62 in main /src/llvm-project/compiler-rt/lib/fuzzer/FuzzerMain.cpp:20:10

36

#5 0x7f43bf7cf0b2 in __libc_start_main

37

38

SUMMARY: AddressSanitizer: heap-buffer-overflow (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0xabd8c4)

39

Shadow bytes around the buggy address:

40

0x0c087fff7fc0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

41

0x0c087fff7fd0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

42

0x0c087fff7fe0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

43

0x0c087fff7ff0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

44

0x0c087fff8000: fa fa 00 00 00 00 00 00 fa fa 00 00 00 00 00 00

45

=>0x0c087fff8010: fa fa 00 00 00 00 00 00[fa]fa 00 00 00 00 00 00

46

0x0c087fff8020: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

47

0x0c087fff8030: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

48

0x0c087fff8040: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

49

0x0c087fff8050: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

50

0x0c087fff8060: fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa fa

51

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

52

Addressable: 00

53

Partially addressable: 01 02 03 04 05 06 07

54

Heap left redzone: fa

55

Freed heap region: fd

56

Stack left redzone: f1

57

Stack mid redzone: f2

58

Stack right redzone: f3

59

Stack after return: f5

60

Stack use after scope: f8

61

Global redzone: f9

62

Global init order: f6

63

Poisoned by user: f7

64

Container overflow: fc

65

Array cookie: ac

66

Intra object redzone: bb

67

ASan internal: fe

68

Left alloca redzone: ca

69

Right alloca redzone: cb

70

==6738==ABORTING

71

72

73

+-----Release Build Unsymbolized Stacktrace (diff)-----+

74

75

==6738==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6040000000c0 at pc 0x000000abd8c5 bp 0x7ffd5a131830 sp 0x7ffd5a131828

76

READ of size 4 at 0x6040000000c0 thread T0

77

#0 0xabd8c4 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0xabd8c4)

78

#1 0x5749c4 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x5749c4)

79

#2 0x566527 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x566527)

80

#3 0x56d64c (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x56d64c)

81

#4 0x56dd39 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x56dd39)

82

#5 0x55dcd6 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x55dcd6)

83

#6 0x456c03 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x456c03)

84

#7 0x4424b2 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x4424b2)

85

#8 0x447f65 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x447f65)

86

#9 0x470c62 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x470c62)

87

#10 0x7f43bf7cf0b2 (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)

88

#11 0x41f74d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x41f74d)

89

90

0x6040000000c0 is located 0 bytes to the right of 48-byte region [0x604000000090,0x6040000000c0)

91

allocated by thread T0 here:

92

#0 0x524d6d (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x524d6d)

93

#1 0x4384f7 (/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x4384f7)

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94	#2	0x4424b2	(/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x4424b2)
95	#3	0x447f65	(/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x447f65)
96	#4	0x470c62	(/clusterfuzz/run_bot/clusterfuzz/bot/builds/c-blosc2_libfuzzer_asan/custom/c-blosc2/decompress_chunk_fuzzer+0x470c62)
97	#5	0x7f43bf7cf0b2	(/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
TESTCASE ANALYSIS ON OTHER JOBS			
No reproducible variants found.			
METADATA			
[2021-11-17 14:09:07 UTC] comput19-20211115-16:27: Fuzz task : Fuzzer libFuzzer_decompress_chunk_fuzzer generated testcase crashed in 412 seconds (r1).			
[2021-11-17 14:10:45 UTC] comput19-20211115-16:27: Minimize task started.			
[2021-11-17 14:35:31 UTC] comput19-20211115-16:27: Minimize task finished.			
[2021-11-22 03:11:03 UTC] comput4-20211115-16:27: Progression task started.			
[2021-11-22 03:11:03 UTC] comput4-20211115-16:27: Progression task finished: still crashes on latest custom build.			