Status: RESOLVED FIXED

Alias: None

Product: gcc

Component: demangler (show other bugs)

Version: unknown

Importance: P3 normal

Target Milestone: ---

Assignee: Not yet assigned to anyone

URL:

 $\underline{\textbf{Keywords:}} \text{ ice-on-invalid-code}$

Depends on: Blocks:

......

Reported: 2021-02-22 03:04 UTC by zhangyuntao **Modified:** 2021-12-19 21:11 UTC (<u>History</u>)

CC List: 5 users (show)

<u>Last reconfirmed:</u> 2021-02-22 00:00:00

See Also:

Host:

Target: Build:

Known to work:

Known to fail:

Attachments

PoC (51 bytes, text/plain)
2021-02-22 10:00 UTC, zhangyuntao

Add an attachment (proposed patch, testcase, etc.) View All

– Note -

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The version 2.26 of cxxfilt, Valgrind reports an invalid write of size. # valgrind ./cxxfilt `cat cxxfilt_12.29-12.30-24h-run3/error_level/level-2-double-54-g165.txt' # 23618## Memcheck, a memory error detector # 23618## Copyright (C) 2002-2017, and GNU GBL'd, by Julian Seward et al. # 23618## Using Valgrind-3.16.1 and LibVEX; rerun with -h for copyright info # 23618## Command: ./cxxfilt \$_Q9AEKm_RQ3__xewx_x6_\$\$[G_02_2C_: = 23618##] # 23618## Invalid write of size 4 # 23618## Invalid write

zhangyuntao 2021-02-22 03:06:39 UTC

Comment 1

Martin Liška 2021-02-22 09:53:58 UTC

Comment 2

Please attach the input.

zhangyuntao 2021-02-22 10:00:24 UTC

Comment 3

Created attachment 50230 [details] PoC

OC .

Comment 4

Martin Liška 2021-02-22 10:09:28 UTC

zhangyuntao 2021-02-22 12:53:28 UTC

Ok, the input is a garbage.

Comment 5

"Ok, the input is a garbage."
Do you mean the input is not a crash to cxxfilt? Why does the program crash?

Martin Liška 2021-02-22 13:07:17 UTC

Comment 6

(In reply to zhangyuntao from comment #5)
> "Ok, the input is a garbage."
> Do you mean the input is not a crash to cxxfilt? Why does the program crash?

It likely makes cxxfilt crashing. I'm just saying it's likely a product of a fuzzer and it's very unlikely to be fixed.

Michael Matz 2021-12-06 15:59:43 UTC

Comment 7

Actually, it is fixed. This problem report is about version 2.26, which is many years old. Current versions don't have this problem, at the very least when the problematic code was removed whole-sale in late 2018/early 2019.

Nick Clifton 2021-12-14 14:47:58 UTC

Comment 8

(In reply to Michael Matz from comment #1) > Actually, it is fixed. This problem report is about version 2.26, which > is many > years old. Current versions don't have this problem, at the very least when > the problematic code was removed whole-sale in late 2018/early 2019.

Just checked - the problem is fixed in 2.27 and all later versions....

Pavel Mayorov 2021-12-19 21:11:52 UTC

Comment 9

If it's still important for someone, then this is a duplicate of bus 67394 (CVE-2016-4487), which was solved by bus 79494 (CVE-2016-4488). So for version 2.26 use the patch https://goc.qnu.org/qit/2 p=gcc.git;a=patch;h=9e6edb946c0e9a2c530fbae3eeace148eca0de33.

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