Bug 701794 - global-buffer-overflow at devices/gdevepsc.c:186 in epsc_print_page

Status: RESOLVED FIXED

Alias: None

Product: Ghostscript

Component: General (show other bugs)

Version: master

Hardware: PC Linux

Importance: P4 normal Assignee: Julian Smith

URL: Keywords:

Depends on:

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

See Also: **Customer:** Word Size: ---

Reported: 2019-10-26 06:30 UTC by Suhwan Modified: 2019-10-30 09:50 UTC (History)

Attachments poc (7.17 KB, application/pdf) Details

You need to log in before you can comment on or make changes to this bug.

```
Suhwan 2019-10-26 06:30:53 UTC
                                                                                                                                                                                                                                                                                                              Description
    Created attachment 18378 [details]
    Hello
     I found a global-buffer-overflow bug in GhostScript.
    Please confirm.
      Thanks.
     OS: Ubuntu 18.04 64bit
    Steps to reproduce:
1. Download the .POC files.
2. Compile the source code with ASan.
3. Run following cmd.
     qs -r680 -sOutputFile=tmp -sDEVICE=epsonc $PoC
     Here's ASAN Report.
 ==8448==ERROR: AddressSanitizer: global-buffer-overflow on address 0x0000042647ec at pc 0x000001e91b6d bp 0xffff077c79c0 sp 0xffff077c79b8

READ of size 4 at 0x0000042647ec thread TO #0 0x1e91b6c in epsc print page ghostpd1/./devices/gdevepsc.c:186:10 #1 0x13f07d9 in gx default print page ghostpd1/./dase/gdevprn.c:1231:12 #2 0x13ef028 in gdev prn output page aux ghostpd1/./base/gdevprn.c:1231:12 #2 0x13ef028 in gdev prn output page gaux ghostpd1/./base/gdevprn.c:1231:12 #3 0x22b6f20 in gs output page ghostpd1/./psi/device.c:416:12 #5 0x2e8bdb6 in interp ghostpd1/./psi/device.c:416:12 #5 0x2e8bdb6 in gs_all interp ghostpd1/./psi/interp.c:520 #7 0x2e8bdb6 in gs_all interp ghostpd1/./psi/interp.c:477 #8 0x2e3f451 in gs_main_interpret ghostpd1/./psi/interp.c:477 #8 0x2e3f451 in gs_main_interpret ghostpd1/./psi/imain.c:731 #10 0x2e3f451 in gs_main_int_string_end_ghostpd1/./psi/imain.c:731 #11 0x2e3f460 in run artsring ghostpd1/./psi/imainarg.c:1086 #13 0x2e3f451 in gs_main_int_string_string_dhostpd1/.gsi/imainarg.c:1241:24 #15 0x2e54860 in runarg ghostpd1/./psi/imainarg.c:1008:16 #14 0x2e3f471 in gs_main_int_with_args0] ghostpd1/./psi/imainarg.c:241:24 #15 0x2e54860 in runarg.msi/imain_int_with_args0] ghostpd1/./psi/imainarg.c:288:16 #16 0x57b86f in main_ghostpd1/./psi/gsi.c:95:16 #17 0x7ffa8aT0eb96 in _libe_start_min/build/glibe-0TsEL5/glibe-2.77/csu/../csu/libe-start.c:310 #18 0x482e79 in _start (gs+0x482e79)

0x0000042647ec is located 20 bytes to the left of global variable '<string
```

Julian Smith 2019-10-30 09:50:54 UTC

Comment 1

Fixed in: https://git.ghostscript .com/? aa95b3482cadf6977da49457194ee5358 Format For Printing - XML, - Clone This Bug - Top of page