## Bug 701829 - heap-buffer-overflow at devices/gdevcdj.c:1972 in ep\_print\_image

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:

Blocks:

See Also: Customer: Word Size: ---

**Reported:** 2019-11-02 15:25 UTC by Suhwan **Modified:** 2019-11-04 16:50 UTC (<u>History</u>)

```
Attachments

poc (25.73 KB, application/pdf)
2019-11-02 15:25 UTC, Suhwan

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

– Note -

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

## Suhwan 2019-11-02 15:25:48 UTC Description Created attachment 18420 [details] poc Hello I found a heap-buffer-overflow bug in GhostScript. Please confirm. Thanks. OS: Ubuntu 18.04 64bit Version: commit <u>366ad48d076c1aa4c8f83c65011258a04e348207</u> Steps to reproduce: 1. Download the .POC files. 2. Compile the source code with "make sanitize" using gcc. 3. Run following cmd. qs -dBATCH -dNOPAUSE -r12 -sOutputFile=tmp -sDEVICE=escp \$PoC Here's ASAN report. gnu/libc.so.6+0x2lb96) #260 0x563e84115599 in \_start (gs+0x36c599) 0x6id000011730 is located 0 bytes to the right of 2224-byte region [0x6id000010e80,0x6id000011730) allocated by thread TO here: #0 0x7ff2a8cdeb50 in \_interceptor\_malloc (/usr/lib/x86\_64-linux-gnu/libsan.so.4+0xdeb50) #1 0x563e84647447e in gs heap\_alloc bytes base/gsmalloc.c:193 #2 0x563e8464749b in gs heap\_alloc byte array base/gsmalloc.c:252 #3 0x563e84640c0e2 in hp\_colour\_print\_page\_devices/gdevcdj.c:134 #5 0x563e84430c6c in escp\_print\_page\_devices/gdevcdj.c:1208 #4 0x563e84430c1 in gdev\_print\_page\_avises/gdevprinc:1231 #5 0x563e84731302 in gx\_default\_print\_page\_avises/gdevprinc:1231 #6 0x563e84731302 in gx\_default\_print\_page\_avises/gdevprinc:1133 #7 0x563e84370c1 in gdev\_prin\_output\_page\_avises/gdevprinc:1133 #8 0x563e8450e25 in gs\_output\_page\_base/gdevprinc:1181 #8 0x563e8450e25 in gs\_output\_page\_base/gdevprinc:1181 #8 0x563e853944b9 in interp\_psi/interp.c:300 #10 0x563e853948b9 in interp\_psi/interp.c:300 #11 0x563e8539488 in gs\_call\_interp\_psi/interp.c:520 #13 0x563e853e887 in gs\_call\_interp\_psi/interp.c:301 #14 0x563e8536988 in gs\_call\_interp\_psi/interp.c:301 #15 0x563e8536988 in gs\_main\_interprert\_psi/intenc.c:331 #15 0x563e85369363 in gs\_main\_interprert\_psi/intenc.c:33 #15 0x563e8536321 in gs\_main\_interprert\_psi/intenc.c:31 #18 0x563e85363633 in gs\_main\_run\_string\_psi/imain.c:716 #18 0x563e85363731 in run\_string\_psi/imain.c:717 #19 0x563e853653635 in spamin\_run\_string\_psi/imain.gc.2117 #19 0x563e85365655 in argpror\_psi/imainarg.c:1008 #20 0x563e85365555 in argpror\_psi/imainarg.c:1008 #21 0x563e85365404 in gs\_main\_intt\_with\_argpsi/imainarg.c:2241 #22 0x563e85365455 in spamin\_int\_with\_argpsi/imainarg.c:228 #23 0x563e85365465 in psamin\_int\_with\_argpsi/imainarg.c:228 #24 0x563e85365405 in psamin\_int\_with\_argpsi/imainarg.c:288 #25 0x563e853654565 in psamin\_int\_with\_argpsi/imainarg.c:288 #25 0x563e853654566 in runargpor\_psi/imainarg.c:1008 #25 0x563e853654566 in psamin\_int\_with\_argpsi/imainarg.c:288 #25 0x563e85365656 in psamin\_int\_with\_arg

## Julian Smith 2019-11-04 16:50:37 UTC

Comment 1

Fixed in: https://git.ghostscript.com/?p=ghostpdl.git;a=commit;h=af004276fd8f6c305727183c159b83021020f7d6

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