## Bug 701815 - global-buffer-overflow at devices/gdev3852.c:122 in jetp3852\_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:

Reported: 2019-10-31 17:59 UTC by Suhwan Modified: 2019-11-01 18:30 UTC (History)

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

```
Attachments
poc (4.51 MB, application/pdf)
                                           Details
Add an attachment (proposed patch, testcase, etc.)
```

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

```
Suhwan 2019-10-31 17:59:16 UTC
                                                                                                                                                                                                                                                                                                       Description
   Created attachment 18399 [details]
    Hello
     I found a global-buffer-overflow bug in GhostScript. Please confirm.
     Please
Thanks.
     OS: Ubuntu 18.04 64bit
Version: commit <u>b5bc53eb7223f8999882a5d8e2e35c27fe7a0b57</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 -sOutputFile=tmp -sDEVICE=jetp3852 $PoC
Here's ASAN report.

=34797==ERROR. AddressSanitizer: global-buffer-overflow on address 0x559fdeca84d0 at pc 0x559fdeca6d8c bp 0x7ffc43e989a0 sp 0x7ffc43e989a0

READ of size 8 at 0x559fdeca6d8b in jetp3852 print page devices/gdev3852.c:122

#1 0x559fdec3c35 in gx default print page copies base/gdevprn.c:1231

#2 0x559fdec873494 in gdev prn output page aux base/gdevprn.c:1133

#3 0x559fdec873494 in gdev prn bg output page base/gdevprn.c:1181

#4 0x559fde610ddd in gs_output page base/gdevprn.c:1181

#4 0x559fde610dfd in gs_output page base/gdevice.c:212

#5 0x559fde63736 in zoutput page base/gdevice.c:212

#5 0x559fdd6540de2 in do_call_operator psi/interp.c:86

#7 0x559fdd52661 in interp psi/interp.c:300

#8 0x559fdd52661 in interpret psi/interp.c:300

#8 0x559fdd5262d in gs_call_interpret psi/interp.c:377

#10 0x559fdd5262d in gs main run string_end psi/imain.c:791

#12 0x559fdd52655 in gs_main run string_end psi/imain.c:791

#13 0x559fdd526517 in gs_main run string_end psi/imain.c:716

#14 0x559fdd526517 in gs_main run string_end psi/imain.c:716

#14 0x559fdd520cor in run string_psi/imainarg.c:1086

#16 0x559fdd520cor in run string_psi/imainarg.c:1086

#16 0x559fdd520cor in run string_psi/imainarg.c:1086

#17 0x559fdd520cor in gs_main init_with_args_psi/imainarg.c:241

#18 0x559fdd520cor in gs_main_init_with_args_psi/imainarg.c:288

#19 0x559fdd520cor in gs_main_init_with_args_psi/imainarg.c:228

#19 0x559fdd57c52d in gs_main_init_with_args_psi/spain.c:772

#20 0x559fdd70707c in gsapi_init_with_args_psi/spain.c:718

#21 0x59fdc2d81d8 in main psi/gs.c:95

#22 0x7feb135f896 in _libe_start_main (/lib/x86_64-linux-

#20 0x559fdd5775 in _start (gs+0x36bf79)
    Here's ASAN report.
gnu/libc.so.6+0x21b96) — _ _ _ _
#23 0x559fdc2d7f79 in _start (gs+0x36bf79)
```

## Julian Smith 2019-11-01 18:30:55 UTC

Comment 1

Fixed in: https://qit.qhostscript.com/?

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