Status: RESOLVED FIXED

Alias: None

Product: Ghostscript

Component: General (show other bugs)

Version: master

Hardware: PC Linux

Importance: P4 normal
Assignee: Julian Smith

URL:

Depends on:

Keywords:

Reported: 2019-10-26 15:06 UTC by Suhwan **Modified:** 2019-10-30 09:51 UTC (<u>History</u>)

CC List: 0 users

See Also: Customer: Word Size: ---

```
| Attachments | Details | Details | 2019-10-26 15:06 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 2019-10-26 15:06:25 UTC
                                                                                                                                                                                                                                                                                                             Description
    Created attachment 18382 [details]
     Hello
     I found a global-buffer-overflow bug in GhostScript.
Please confirm.
Thanks.
     OS: Ubuntu 18.04 64bit
Version: commit bfeff28bb56ee4424ac78619792c18bf4f5104ef
    Steps to reproduce:
1. Download the .POC files.
2. Compile the source code with "make sanitize" using gcc.
3. Run following cmd.
     Here's ASAN report.
   GPL Ghostscript GIT PRERELEASE 9.51 (2019-10-15)
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***** Error: invalid token after startxref.
Output may be incorrect.

***** Error: An error occurred while reading an XREF table.

***** The file has been damaged. This may have been caused

***** The start while converting or transfering the file.

***** Ghostscript will attempt to recover the data.

***** However, the output may be incorrect.

Processing pages 1 through 1.

Page 1
     GPL Ghostscript GIT PRERELEASE 9.51 (2019-10-15)
   base/gdevdrop.c:1090 #7 0x563adc3d393d in mem_transform_pixel_region_render_portrait_4
     base/gdevdrop.c:1149 #8 0x563adc3d3aal in mem_transform_pixel_region_render_portrait
base/gdevdrop.cill67

#9 0x563adc3d6aca in mem_transform_pixel_region_render_portrait
base/gdevdrop.cil825
#10 0x563adc3d6aca in mem_transform_pixel_region_process_data
base/gdevdrop.cil825
#10 0x563adc3d76e9 in mem_transform_pixel_region_base/gdevdrop.cil889
#11 0x563adc3d76e9 in mem_transform_pixel_region_base/gxclip.cil627
#12 0x563adc3d53b8 in image_render_color_icc_tpr_base/gxclop.cil078
#13 0x563adc23f368 in image_plane_data_base/gxidata.ci237
#14 0x563adc23f361 in gx_image_plane_data_base/gxidata.ci237
#15 0x563adc23f361 in gx_image_plane_data_base/gxclasat.ci541
#16 0x563adc855091 in clist_playback_band_base/gxclasat.ci541
#17 0x563adc8b55691 in clist_playback_band_base/gxclasat.ci541
#18 0x563adc8b5691 in clist_playback_file_bands_base/gxclread.ci520
#18 0x563adc8b3685 in clist_render_rectangle_base/gxclread.ci520
#18 0x563adc8b3695 in clist_render_rectangle_base/gxclread.ci521
#20 0x563adc8b3693 in clist_get_bits_rectangle_base/gxclread.ci632
#21 0x563adc8b3693 in clist_get_bits_rectangle_base/gxclread.ci632
#22 0x563adc8b3693 in clist_get_bits_rectangle_base/gxclread.ci632
#23 0x563adc8b362a4 in gdev_prn_get_blts_base/gdevdprn.ci54
#24 0x563adc8b363e4 in gdev_prn_get_blts_base/gdevprn.ci1687
#24 0x563adc8b363e4 in gdev_prn_get_blts_base/gdevprn.ci1712
#25 0x563adc8d371a in mj_print_page_contrib/japanese/gdewmjc.ci216
#26 0x563adc8b363d64 in gdev_prn_output_page_abse/gdevprn.ci1231
#28 0x563adc8b38abc in gdev_prn_output_page_base/gdevprn.ci1169
#20 0x563adc63f5f5fc in gx_output_page_base/gdevprn.ci1169
#30 0x563adc45f5f5c in gx_output_page_base/gdevprn.ci169
#30 0x563adc45f3fc in gdev_prn_output_page_base/gdevprn.ci1169
#30 0x563adc45f3fc in gx_output_page_base/gdevprn.ci1169
#30 0x563adc45f3fc in gx_output_page_base/gdevprn.ci117
#31 0x563adc46af6face_in_gase_in_in_trunt_page_in_in_in_ci253
#31 0x563adc46af6face_in_gase_in_in_trunt_page_in_in_in_ci253
#33 0x563adc46af6face_in_gase_in_in_trunt_page_in_in_in_ci253
#33 0x563adc46af6face_in_gase_in_in_trunt_page_in_in_in_ci268
#33 0x563adc46af6face_in_ga
     base/gdevdrop.c:1167
#9 0x563adc3d6aca in mem_transform_pixel_region_process_data
     0x563addc51380 is located 0 bytes to the right of global variable 'grnsep2' defined
```

Suhwan 2019-10-26 15:07:48 UTC

Comment 1

please run following cmd: gs -sOutputFile=tmp -sDEVICE=mj6000c \$PoC

Julian Smith 2019-10-30 09:51:41 UTC

Comment 2

Fixed in: https://git.ghostscript.com/? p=ghostpdl.git;a=commit;h=849e74e5ab450dd581942192da7101e0664fa5af

Format For Printing - XML - Clone This Bug - Top of page