

Crash Detail

```
==43189==ERROR: AddressSanitizer: stack-buffer-overflow on address 0x7ffe33ffbdc4
at pc 0x00000060df33 bp 0x7ffe33ffbc50 sp 0x7ffe33ffbc48
WRITE of size 1 at 0x7ffe33ffbdc4 thread T0
    #0 0x60df32 in ImageStream::getPixel(unsigned char*)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Stream.cc:348:12
    #1 0x7c9dc5 in VectorGraphicOutputDev::drawGeneralImage(GfxState*, Object*,
Stream*, int, int, GfxImageColorMap*, int, int, int, int*, Stream*, int, int,
int, GfxImageColorMap*)
/home/bupt/Desktop/swftools/lib/pdf/VectorGraphicOutputDev.cc:1303:12
    #2 0x7ccc45 in VectorGraphicOutputDev::drawImage(GfxState*, Object*, Stream*,
int, int, GfxImageColorMap*, int*, int)
/home/bupt/Desktop/swftools/lib/pdf/VectorGraphicOutputDev.cc:1430:5
    #3 0x71dc57 in Gfx::doImage(Object*, Stream*, int)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Gfx.cc:3664:12
    #4 0x6ec5e0 in Gfx::opXObject(Object*, int)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Gfx.cc:3336:7
    #5 0x705f02 in Gfx::execOp(Object*, Object*, int)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Gfx.cc:693:3
    #6 0x7049c1 in Gfx::go(int)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Gfx.cc:584:7
    #7 0x703ea8 in Gfx::display(Object*, int)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Gfx.cc:556:3
    #8 0x6b9401 in Page::displaySlice(OutputDev*, double, double, int, int,
int, int, int, int, Catalog*, int (*)(void*), void*)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Page.cc:317:10
    #9 0x6b8cee in Page::display(OutputDev*, double, double, int, int, int,
Catalog*, int (*)(void*), void*)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Page.cc:264:3
    #10 0x6099b0 in PDFDoc::displayPage(OutputDev*, int, double, double, int,
int, int, int (*)(void*), void*)
/home/bupt/Desktop/swftools/lib/pdf/xpdf/PDFDoc.cc:317:27
    #11 0x5f87d5 in render2(_gfxpage*, _gfxdevice*, int, int, int, int, int, int)
/home/bupt/Desktop/swftools/lib/pdf/pdf.cc:164:14
    #12 0x5f8e64 in pdfpage_rendersection(_gfxpage*, _gfxdevice*, double, double,
double, double, double) /home/bupt/Desktop/swftools/lib/pdf/pdf.cc:190:5
    #13 0x501816 in main /home/bupt/Desktop/swftools/src/pdf2swf.c:832:3
    #14 0x7f6be3d6fc86 in __libc_start_main /build/glibc-CVJwZb/glibc-
2.27/csu/../csu/libc-start.c:310
    #15 0x420b99 in start
(/home/bupt/Desktop/swftools/build/bin/pdf2swf+0x420b99)
Address 0x7ffe33ffbdc4 is located in stack of thread T0 at offset 292 in frame
    #0 0x7c774f in VectorGraphicOutputDev::drawGeneralImage(GfxState*, Object*,
Stream*, int, int, GfxImageColorMap*, int, int, int, int*, Stream*, int, int,
int, GfxImageColorMap*)
/home/bupt/Desktop/swftools/lib/pdf/VectorGraphicOutputDev.cc:1127
```

```
This frame has 19 object(s):
   [32, 40) 'x1' (line 1130)
   [64, 72) 'y1' (line 1130)
   [96, 104) 'x2' (line 1130)
   [128, 136) 'y2' (line 1130)
   [160, 168) 'x3' (line 1130)
   [192, 200) 'y3' (line 1130)
   [224, 232) 'x4' (line 1130)
   [256, 264) 'y4' (line 1130)
   [288, 292) 'pixBuf' (line 1132) <== Memory access at offset 292 overflows
this variable
   [304, 316) 'rgb' (line 1133)
   [336, 416) 'color_transform' (line 1137)
   [448, 456) 'buf' (line 1146)
   [480, 736) 'pal' (line 1151)
   [800, 804) 'gray' (line 1155)
   [816, 824) 'buf94' (line 1188)
   [848, 856) 'buf173' (line 1228)
   [880, 1904) 'pal179' (line 1231)
   [2032, 2044) 'rgb180' (line 1232)
   [2064, 3088) 'pal486' (line 1340)
HINT: this may be a false positive if your program uses some custom stack unwind
mechanism, swapcontext or vfork
     (longjmp and C++ exceptions *are* supported)
SUMMARY: AddressSanitizer: stack-buffer-overflow
/home/bupt/Desktop/swftools/lib/pdf/xpdf/Stream.cc:348:12 in
ImageStream::getPixel(unsigned char*)
Shadow bytes around the buggy address:
 0x1000467f7790: 00 00 00 00 f1 f1 f1 f1 00 f2 f2 f2 00 f2 f2 f2
 0x1000467f77a0: 00 f2 f2 f2 00 f2 f2 f0 00 f2 f2 f2 f0 f2 f2 f2
=>0x1000467f77b0: 00 f2 f2 f2 f0 f2 f2 f2 f2 f0 f2 f2 f0 00 04 f2 f2 f0 00
 0x1000467f77c0: 00 00 00 00 00 00 00 f2 f2 f2 f8 f2 f2 f2
 0x1000467f77f0: f2 f2 f2 f2 f2 f2 f2 f8 f2 f8 f2 f2 f2 f8 f2
 Shadow byte legend (one shadow byte represents 8 application bytes):
 Addressable:
 Partially addressable: 01 02 03 04 05 06 07
 Heap left redzone:
                      fa
 Freed heap region:
                      fd
 Stack left redzone:
                      f1
 Stack mid redzone:
                      f2
 Stack right redzone:
                      f3
 Stack after return:
                     f5
```

Stack use after scope: f8 Global redzone: f9 Global init order: f6 Poisoned by user: f7 Container overflow: fc Array cookie: ac Intra object redzone: bb ASan internal: fe Left alloca redzone: ca Right alloca redzone: cb Shadow gap: cc ==43189==ABORTING

Crash summary

SUMMARY: AddressSanitizer: stack-buffer-overflow

/home/bupt/Desktop/swftools/lib/pdf/xpdf/Stream.cc:348:12 in

ImageStream::getPixel(unsigned char*)