

# pwntools使用rop模块报错

```
1 In [3]: elf= ELF("./alloca")
2 [*] '/media/psf/Home/workspace/CTF/pwnable/alloca/alloca'
3     Arch:      i386-32-little
4     RELRO:     Partial RELRO
5     Stack:     No canary found
6     NX:        NX enabled
7     PIE:       No PIE
8
9 In [4]: rop = ROP(elf)
10 -----
11 -
12 ImportError                                Traceback (most recent call
13 last)
14 <ipython-input-4-b73050b43606> in <module>()
15 ----> 1 rop = ROP(elf)
16
17 /usr/local/lib/python2.7/dist-packages/pwnlib/rop/rop.pyc in
18 __init__(self, elfs, base, **kwargs)
19 397             elfs(list): List of ``pwnlib.elf.ELF`` objects for
20 mining
21 398             """
22 --> 399             import ropgadget
23 400
24 401             # Permit singular ROP(elf) vs ROP([elf])
25
26 /usr/local/lib/python2.7/dist-packages/ropgadget/__init__.pyc in <module>
27 ()
28 12
29 13 import ropgadget.args
30 ----> 14 import ropgadget.binary
31 15 import ropgadget.core
32 16 import ropgadget.gadgets
33
34 /usr/local/lib/python2.7/dist-packages/ropgadget/binary.py in <module>()
35 11 ## (at your option) any later version.
36 12
37 ----> 13 from ropgadget.loaders.elf      import *
38 14 from ropgadget.loaders.pe          import *
39 15 from ropgadget.loaders.raw          import *
```

```

36 /usr/local/lib/python2.7/dist-packages/ropgadget/loaders/__init__.py in
    <module>()
37     11 ## (at your option) any later version.
38     12
39 ---> 13 import ropgadget.loaders.elf
40     14 import ropgadget.loaders.macho
41     15 import ropgadget.loaders.pe
42
43 /usr/local/lib/python2.7/dist-packages/ropgadget/loaders/elf.py in
    <module>()
44     11 ## (at your option) any later version.
45     12
46 ---> 13 from capstone import *
47     14 from ctypes import *
48     15 from struct import unpack
49
50 /usr/local/lib/python2.7/dist-packages/capstone/__init__.py in <module>()
51     228 pass
52     229 if _found == False:
53 --> 230     raise ImportError("ERROR: fail to load the dynamic
    library.")
54     231
55     232
56
57 ImportError: ERROR: fail to load the dynamic library.

```

查看capstone目录下缺少了libcapstone.so文件，後來找到有人在 capstone 的 Github 開了 [issue](#)。

```

1 cp /usr/local/lib/python2.7/dist-packages/usr/lib/python2.7/dist-
  packages/capstone/libcapstone.so /usr/local/lib/python2.7/dist-
  packages/capsto
2 ne/.

```

像上面这样把libcapstone.so拷贝过去就行了。

但是解决了这个错误，又出现了新的错误。

```

1 In [7]: rop = ROP(elf)
2 -----
3 ImportError                                Traceback (most recent call
  last)
4 <ipython-input-7-b73050b43606> in <module>()
5 ----> 1 rop = ROP(elf)
6

```

```

7 /usr/local/lib/python2.7/dist-packages/pwnlib/rop/rop.pyc in
__init__(self, elfs, base, **kwargs)
8 397         elfs(list): List of ``pwnlib.elf.ELF`` objects for
mining
9 398         """
10 --> 399         import ropgadget
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14 /usr/local/lib/python2.7/dist-packages/ropgadget/__init__.pyc in <module>
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16 13 import ropgadget.args
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18 15 import ropgadget.core
19 16 import ropgadget.gadgets
20
21 /usr/local/lib/python2.7/dist-packages/ropgadget/binary.py in <module>()
22 11 ## (at your option) any later version.
23 12
24 ---> 13 from ropgadget.loaders.elf import *
25 14 from ropgadget.loaders.pe import *
26 15 from ropgadget.loaders.raw import *
27
28 /usr/local/lib/python2.7/dist-packages/ropgadget/loaders/__init__.py in
<module>()
29 11 ## (at your option) any later version.
30 12
31 ---> 13 import ropgadget.loaders.elf
32 14 import ropgadget.loaders.macho
33 15 import ropgadget.loaders.pe
34
35 /usr/local/lib/python2.7/dist-packages/ropgadget/loaders/elf.py in
<module>()
36 11 ## (at your option) any later version.
37 12
38 ---> 13 from capstone import *
39 14 from ctypes import *
40 15 from struct import unpack
41
42 /usr/local/lib/python2.7/dist-packages/capstone/__init__.py in <module>()
43 4 if _python2:
44 5     range = xrange
45 ----> 6 from . import arm, arm64, mips, ppc, sparc, systemz, x86, xcore
46 7
47 8 __all__ = [

```

```
48
```

```
49 ImportError: cannot import name arm
```

网上转了一圈没有找到解决办法，病急乱投医只好尝试一下下面的方法

```
1 | sudo apt-get install python-capstone
```

居然成功了，不再报错！

虽然后面在使用rop模块的时候还是遇到了点问题，留待以后解决吧。。。