

Running Scrapy on Raspberry Pi 3, python 3.4

Asked 3 years, 6 months ago Active 3 years, 6 months ago Viewed 3k times



I receive an error when running scrapy on Raspberry Pi 3.

5

I have successfully installed it, but when I try to startproject or crawl with a previously created spider, I get the following error:

Traceback (most recent call last):

```
File "/usr/local/bin/scrapy", line 7, in <module>
  from scrapy.cmdline import execute
File "/usr/local/lib/python3.4/dist-packages/scrapy/cmdline.py", line 9, in <module>
  from scrapy.crawler import CrawlerProcess
File "/usr/local/lib/python3.4/dist-packages/scrapy/crawler.py", line 7, in <module>
  from twisted.internet import reactor, defer
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/reactor.py", line 38, in
<module>
  from twisted.internet import default
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/default.py", line 56, in
<module>
  install = _getInstallFunction(platform)
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/default.py", line 44, in
_getInstallFunction
  from twisted.internet.epollreactor import install
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/epollreactor.py", line
24, in <module>
  from twisted.internet import posixbase
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/posixbase.py", line 18,
in <module>
  from twisted.internet import error, udp, tcp
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/tcp.py", line 28, in
<module>
  from twisted.internet._newtls import (
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/_newtls.py", line 21, in
<module>
  from twisted.protocols.tls import TLSMemoryBIOFactory, TLSMemoryBIOProtocol
File "/usr/local/lib/python3.4/dist-packages/twisted/protocols/tls.py", line 65, in
<module>
  from twisted.internet._sslverify import _setAcceptableProtocols
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/_sslverify.py", line
1865, in <module>
  "ECDH+AESGCM:ECDH+CHACHA20:DH+AESGCM:DH+CHACHA20:ECDH+AES256:DH+AES256:"
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/_sslverify.py", line
1845, in fromOpenSSLCipherString
  SSL.SSLv23_METHOD, SSL.OP_NO_SSLv2 | SSL.OP_NO_SSLv3)
File "/usr/local/lib/python3.4/dist-packages/twisted/internet/_sslverify.py", line
1797, in _expandCipherString
  ctx.set_cipher_list(cipherString.encode('ascii'))
TypeError: must be str, not bytes
```

I have no idea why I am getting this or how to fix it, please help?


SOLUTION:


Thanks everyone for the help, I got Scrapy to work on Raspberry Pi 3 in the end by following these steps:

First install virtualenv:

```
sudo pip install virtualenv
```

1 Could you post your spider code? Seems like ssl related issue but the error mentions type issues: "must be str, not bytes" means twisted is expecting python2 instead python3. – [Granitosaurus](#) Feb 2 '17 at 20:48

ok, I wrote my code and tested it in python 3.5, however, I can't even `scrapy startproject test` without getting the same error as above. So shouldn't be my spider code that is wrong, as I get the same error with just trying to start a project. – [Svarto](#) Feb 2 '17 at 20:50 

Are you running it from virtualenvironment? If not try setting one up, installing scrapy there and make sure you have [pyOpenSSL](#) installed too – [Granitosaurus](#) Feb 3 '17 at 5:07 

Worked with virtualenv and upgrading pyOpenSSL, thanks! – [Svarto](#) Feb 3 '17 at 8:42

1 Answer

[Active](#)[Oldest](#)[Votes](#)

What user are you using? i think you need use sudo. also update your ssl. looks like the ssl connection has problems..

0

Have you run : `pip install --verbose twisted`



Also update your openssl



`pip -vvv install --upgrade pyOpenSSL`, please copy the output here to check if is updated



Regards


edited Feb 2 '17 at 21:26

answered Feb 2 '17 at 20:49




[Jhovanny Uribe](#)

198 9

I am running it with user pi. I ran what you suggested, unfortunately it says all requirements already satisfied.... – [Svarto](#) Feb 2 '17 at 20:51 

have you install this : `$ sudo apt-get install libffi-dev $ sudo apt-get install libssl-dev $ sudo apt-get install libxml2-dev libxslt1-dev` – [Jhovanny Uribe](#) Feb 2 '17 at 21:06 

yes, unfortunately, I also tried running those commands again and for each one it said that I have the newest version already... – [Svarto](#) Feb 2 '17 at 21:17

try updating your openssl, `pip -vvv install --upgrade pyOpenSSL` – [Jhovanny Uribe](#) Feb 2 '17 at 21:25 

Thanks for the help, it worked by installing a virtualenv and then running the pyOpenSSL upgrade command. This updated my pyOpenSSL and after that it worked - thanks! – [Svarto](#) Feb 3 '17 at 8:42

