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Failed to execute: pyi_rth_nltk.py #4648

✓ Closed

 gakhilbabu7983 opened this issue on Jan 27, 2020 · 16 comments

Labels

kind:support

gakhilbabu7983 commented on Jan 27, 2020

I'm using nltk,tkinter and sklearn trying create a executable file. But I'm facing issues unable to execute pyi_rth_nltk.py anyone have idea... thanks in advance

🔍 gakhilbabu7983 added the kind:support label on Jan 27, 2020

mturemka commented on Jan 28, 2020 • edited

What version of setuptools do you use? Probably it is >= 45.0.0. If yes, try to downgrade setuptools package to 44.0.0. But this is only a workaround unfortunately.

gakhilbabu7983 commented on Jan 29, 2020

Author

I'm using setup tools 41.0.1 and python =3.7.4 but still there is no luck. I can able to create an exe but when i'm trying to run its showing popup Failed to execute pyi_rth_nltk.py

gakhilbabu7983 commented on Jan 30, 2020

Author

What version of setuptools do you use? Probably it is >= 45.0.0. If yes, try to downgrade setuptools package to 44.0.0. But this is only a workaround unfortunately.

✓ gakhilbabu7983 closed this as completed on Jan 30, 2020

🔄 gakhilbabu7983 reopened this on Jan 30, 2020

Legorooj commented on Feb 6, 2020

Member

Is it giving you an error? If it is, and it's too quick to read, please run the executable from a command line. Then post the traceback.

Legorooj commented on Feb 16, 2020

Member

@gakhilbabu7983 pinging

✓ Legorooj closed this as completed on Feb 21, 2020

hello [@gakhilbabu7983](#) I have the same problem as you. How did you solved it? Thank youu :) badly needed it :(

DanielKrolopp commented on May 28, 2020

I had the same issue earlier today and finally got it to work using the following software versions:

Python 3.6.8, nltk 3.5 and a dev version of pyinstaller:

```
pip install https://github.com/pyinstaller/pyinstaller/archive/develop.zip
```



Additionally, I used scikit-learn version 0.21.1.

Legorooj commented on May 28, 2020

Member

[@DanielKrolopp](#) yes, a fix was merged in in... March? It'll be out in the next stable release - hopefully June.

DanielKrolopp commented on May 28, 2020

[@DanielKrolopp](#) yes, a fix was merged in in... March? It'll be out in the next stable release - hopefully June.

[@Legorooj](#) Maybe I spoke too soon. The error occurs in a Windows 10 VM with Python 3.6.8:

```
Traceback (most recent call last):
  File "lib\site-packages\PyInstaller\loader\pyiboot01_bootstrap.py", line 167, in __init__
  File "ctypes\__init__.py", line 348, in __init__
OSError: [WinError 126] The specified module could not be found
During handling of the above exception, another exception occurred:
Traceback (most recent call last):
  File "lib\site-packages\PyInstaller\hooks\rthooks\pyi_rth_nltk.py", line 15, in <module>
  File "<frozen importlib._bootstrap>", line 971, in _find_and_load
  File "<frozen importlib._bootstrap>", line 955, in _find_and_load_unlocked
  File "<frozen importlib._bootstrap>", line 665, in _load_unlocked
  File "c:\users\user\desktop\shakra\detection\build_dist\lib\site-packages\PyInstaller\loader\pyimod03_importers.py", line 489, in
exec_module
  exec(bytecode, module.__dict__)
  File "lib\site-packages\nltk\__init__.py", line 142, in <module>
  File "<frozen importlib._bootstrap>", line 971, in _find_and_load
  File "<frozen importlib._bootstrap>", line 955, in _find_and_load_unlocked
  File "<frozen importlib._bootstrap>", line 665, in _load_unlocked
  File "c:\users\user\desktop\shakra\detection\build_dist\lib\site-packages\PyInstaller\loader\pyimod03_importers.py", line 489, in
exec_module
  exec(bytecode, module.__dict__)
  File "lib\site-packages\nltk\chunk\__init__.py", line 157, in <module>
  File "<frozen importlib._bootstrap>", line 971, in _find_and_load
  File "<frozen importlib._bootstrap>", line 955, in _find_and_load_unlocked
  File "<frozen importlib._bootstrap>", line 665, in _load_unlocked
  File "c:\users\user\desktop\shakra\detection\build_dist\lib\site-packages\PyInstaller\loader\pyimod03_importers.py", line 489, in
exec_module
  exec(bytecode, module.__dict__)
  File "lib\site-packages\nltk\chunk\api.py", line 13, in <module>
  File "<frozen importlib._bootstrap>", line 971, in _find_and_load
  File "<frozen importlib._bootstrap>", line 955, in _find_and_load_unlocked
  File "<frozen importlib._bootstrap>", line 665, in _load_unlocked
  File "c:\users\user\desktop\shakra\detection\build_dist\lib\site-packages\PyInstaller\loader\pyimod03_importers.py", line 489, in
exec_module
  exec(bytecode, module.__dict__)
  File "lib\site-packages\nltk\parse\__init__.py", line 100, in <module>
  File "<frozen importlib._bootstrap>", line 971, in _find_and_load
  File "<frozen importlib._bootstrap>", line 955, in _find_and_load_unlocked
  File "<frozen importlib._bootstrap>", line 665, in _load_unlocked
  File "c:\users\user\desktop\shakra\detection\build_dist\lib\site-packages\PyInstaller\loader\pyimod03_importers.py", line 489, in
exec_module
  exec(bytecode, module.__dict__)
  File "lib\site-packages\nltk\parse\transitionparser.py", line 19, in <module>
  File "<frozen importlib._bootstrap>", line 971, in _find_and_load
  File "<frozen importlib._bootstrap>", line 955, in _find_and_load_unlocked
```



```

exec(bytecode, module.__dict__)
File "lib\site-packages\sklearn\__init__.py", line 80, in <module>
File "<frozen importlib._bootstrap>", line 971, in _find_and_load
File "<frozen importlib._bootstrap>", line 955, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 665, in _load_unlocked
File "c:\users\user\desktop\shakra\detection\build_dist\lib\site-packages\PyInstaller\loader\pyimod03_importers.py", line 489, in
exec_module
exec(bytecode, module.__dict__)
File "lib\site-packages\sklearn\_distributor_init.py", line 18, in <module>
File "lib\site-packages\PyInstaller\loader\pyiboot01_bootstrap.py", line 169, in __init__
__main__.PyInstallerImportError: Failed to load dynlib/dll
'C:\Users\User\Desktop\shakra\detection\build_dist\dist\scan\sklearn\libs\vccomp140.dll'. Most probably this dynlib/dll
was not found when the application was frozen.
[8912] Failed to execute script pyi_rth_nltk

```



1

Legorooj commented on May 28, 2020

Member

[@DanielKrolopp](#) can I have a minimal code snippet so I can try and reproduce?

DanielKrolopp commented on May 29, 2020

I've narrowed it down to seemingly being an issue with importing an nltk module when pip has both scikit-learn and nltk installed. Everything compiles and runs just fine with either one of them installed by themselves. It's funny, because this worked just fine on my Ubuntu 18.04 installation, but not on Windows 10. Here is the output of `pip freeze` from inside a venv:

```

altgraph==0.17
click==7.1.2
future==0.18.2
joblib==0.15.1
nltk==3.5
numpy==1.18.4
pandas==1.0.3
pefile==2019.4.18
pyinstaller==4.0.dev0 (From the most recent commit on the develop branch)
python-dateutil==2.8.1
pytz==2020.1
pywin32-ctypes==0.2.0
regex==2020.5.14
scikit-learn==0.22.1
scipy==1.4.1
six==1.15.0
sklearn==0.0
threadpoolctl==2.0.0
tqdm==4.46.0

```



Python version 3.6.8

OS: Windows 10

This is the minimal snippet that seemed to break it:

```

from nltk import ngrams

print('hello world')

```



I got the error I pasted above when I tried to run the .exe file generated from this snippet. Thanks for your help.

Legorooj commented on May 31, 2020

Member

Been able to reproduce this locally. This is the relevant part of the code in sklearn that is causing the issue:

```
dll_path = op.join(op.dirname(__file__), 'libs', 'vc140.dll',  
WinDLL(op.abspath(dll_path))
```

Apparently `sklearn` needs a hook. Would anyone be able to provide a new hook at [this repo](#) via PR?

1

InanisV commented on May 31, 2020

So is there any solution to this error now? Or just wait for an update? I have the same problem.

1

Legorooj commented on Jun 1, 2020

Member

@InanisV

Would anyone be able to provide a new hook at [this repo](#) via PR?

2

InanisV commented on Jun 2, 2020 • edited

@Legorooj

Great! Thank you for your reply. I solved the problem by adding a similar file like other hooks named `Python37\Lib\site-packages\PyInstaller\hooks\hook-sklearn.py`.

```
from PyInstaller.utils.hooks import collect_data_files  
datas = collect_data_files('sklearn')
```



I understand that the added code tells the hook script to include all the files (except `.py` and `.pyc`) in `Python37\Lib\site-packages\sklearn`. This action solves the dependency problem. Is it right?
Additionally, could I create a pull request in [pyinstaller-hooks-contrib](#) to upload the hook file?

2

Legorooj commented on Jun 2, 2020

Member

@InanisV Yes, that hook looks great, and yes, please provide a PR. Guidelines are in the `hooks-contrib` wiki. Please give feedback on the guidelines - they're very much incomplete. Add the hook in the `stdhooks` directory.

1

InanisV mentioned this issue on Jun 2, 2020

Sklearn now requires an extra hidden import [pyinstaller/pyinstaller-hooks-contrib#5](#)

Merged

`github-actions` `bot` locked as resolved and limited conversation to collaborators on Nov 17, 2022

Assignees
No one assigned

Labels

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

6 participants

