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TensorFlow Installation Error In RStudio #144

⊘ **Closed**   **HARIGB** opened this issue on Jul 1, 2017 · 24 comments

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HARIGB commented on Jul 1, 2017

When I was trying to install TensorFlow, I keep on receiving this error, even though I updated R , Rstudio & R Packages. I was following this procedure in the link https://tensorflow.rstudio.com/installation.html . I was stuck up at the first command itself.

```
>devtools::install_github("rstudio/tensorflow")
Downloading GitHub repo rstudio/tensorflow@master
from URL https://api.github.com/repos/rstudio/tensorflow/zipball/master
Installing tensorflow
Downloading GitHub repo rstudio/reticulate@master
from URL https://api.github.com/repos/rstudio/reticulate/zipball/master
Error: running command '"C:/PROGRA~1/R/R-33~1.2/bin/x64/R" --no-site-file --no-environ --no-
save --no-restore --quiet CMD config CC' had status 127
```

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jjallaire commented on Jul 1, 2017

I think it might actually be because you don't have R build tools installed. Try installing Rtools from here: https://cran.r-project.org/bin/windows/Rtools/index.html

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HARIGB commented on Jul 2, 2017

Even after installing the Rtools34.exe, I am getting the same error.

```
> devtools::install_github("rstudio/tensorflow")
Downloading GitHub repo rstudio/tensorflow@master
from URL https://api.github.com/repos/rstudio/tensorflow/zipball/master
```

```
Error: running command ...C:/PROGRA~1/R/R-34-1.1/bin/x64/R --no-site-file --no-environ --no-
save --no-restore --quiet CMD config CC' had status 127
>
```

☺

✉ 🔹 **jjallaire** commented on Jul 2, 2017

I'm not sure what else I can do to help here. If you can't install the
reticulate package using devtools something else is wrong in your
configuration and it's very difficult to say what without actually
inspecting your system.

…

☺

▦ **HARIGB** commented on Jul 2, 2017

Its ok, I'll try at other PC and let you know. Thanks and I felt very awesome for your immediate responses.

☺

✉ 🔹 **jjallaire** commented on Jul 2, 2017

Another theory is that you may have another C/C++ toolchain on your PATH
(e.g. Cygwin) and R is attempting to build packages with it.

You can also call devtools::find_rtools(debug = TRUE) to get diagnostics on
what might be going wrong in your configuration.

…

☺

▦ **HARIGB** commented on Jul 2, 2017

This is what I found on diagnostics and then realized GIT might have created such a problem and
uninstalled it. So, I was able to successfully execute the first line of code. working on, in further steps.
Hope hereafter everything should go fine. & here my question will be, what I might have done to resolve
this issue,Instead of uninstalling the GIT.

```
"C:/PROGRA~1/R/R-34~1.1/bin/x64/R" --no-site-file --no-environ --no-save --no-restore --quiet
CMD config  \
  CC

Error: running command '"C:/PROGRA~1/R/R-34~1.1/bin/x64/R" --no-site-file --no-environ --no-
save --no-restore --quiet CMD config CC' had status 127
```

Thanks a lot Allaire

☺

HARIGB commented on Jul 2, 2017

After using the following codes to install

```
> library(tensorflow)
> install_tensorflow(method = "auto")
```

I got the following, Still facing some problems.

```
Installation of TensorFlow complete.

> library(tensorflow)
> sess<-tf$Session()
Error: Installation of TensorFlow not found.

Python environments searched for 'tensorflow' package:
 C:\ProgramData\Anaconda3\python.exe

You can install TensorFlow using the install_tensorflow() function.
> sess = tf$Session()
Error: Python module tensorflow was not found.

Detected Python configuration:

python:          C:\PROGRA~3\ANACON~1\python.exe
libpython:       C:/PROGRA~3/ANACON~1/python36.dll
pythonhome:      C:\PROGRA~3\ANACON~1
version:         3.6.1 |Anaconda 4.4.0 (64-bit)| (default, May 11 2017, 13:25:24) [MSC v.1900
64 bit (AMD64)]
Architecture:    64bit
numpy:           C:\PROGRA~3\ANACON~1\lib\site-packages\numpy
numpy_version:   1.12.1
tensorflow:      [NOT FOUND]
```

☺

Could you provide the output from `install_tensorflow()` ?

Could you also provide the output of `sessionInfo()` . Is it possible you are running 32-bit R but 64-bit Anaconda?

☺

HARIGB commented on Jul 2, 2017

Hi,

```
> library(tensorflow)
> install_tensorflow()
Using r-tensorflow conda environment for TensorFlow installation
Determining latest release of TensorFlow...done
Installing TensorFlow...
Collecting tensorflow==1.2.1 from
https://storage.googleapis.com/tensorflow/windows/cpu/tensorflow-1.2.1-cp36-cp36m-
win_amd64.whl
  Using cached https://storage.googleapis.com/tensorflow/windows/cpu/tensorflow-1.2.1-cp36-
cp36m-win_amd64.whl
Collecting bleach==1.5.0 (from tensorflow==1.2.1)
  Using cached bleach-1.5.0-py2.py3-none-any.whl
Collecting werkzeug>=0.11.10 (from tensorflow==1.2.1)
  Using cached Werkzeug-0.12.2-py2.py3-none-any.whl
Collecting wheel>=0.26 (from tensorflow==1.2.1)
  Using cached wheel-0.29.0-py2.py3-none-any.whl
Collecting backports.weakref==1.0rc1 (from tensorflow==1.2.1)
  Using cached backports.weakref-1.0rc1-py3-none-any.whl
Collecting six>=1.10.0 (from tensorflow==1.2.1)
  Using cached six-1.10.0-py2.py3-none-any.whl
Collecting markdown>=2.6.8 (from tensorflow==1.2.1)
Collecting html5lib==0.9999999 (from tensorflow==1.2.1)
Collecting numpy>=1.11.0 (from tensorflow==1.2.1)
  Using cached numpy-1.13.0-cp36-none-win_amd64.whl
Collecting protobuf>=3.2.0 (from tensorflow==1.2.1)
Collecting setuptools (from protobuf>=3.2.0->tensorflow==1.2.1)
  Using cached setuptools-36.0.1-py2.py3-none-any.whl
Installing collected packages: six, html5lib, bleach, werkzeug, wheel, backports.weakref,
markdown, numpy, setuptools, protobuf, tensorflow
Successfully installed backports.weakref-1.0rc1 bleach-1.5.0 html5lib-0.9999999 markdown-2.6.8
numpy-1.13.0 protobuf-3.3.0 setuptools-36.0.1 six-1.10.0 tensorflow-1.2.1 werkzeug-0.12.2
wheel-0.29.0
Fetching package metadata ..........
Solving package specifications: .

# All requested packages already installed.
# packages in environment at C:\Users\HARI G B\AppData\Local\conda\conda\envs\r-tensorflow:
#
h5py                      2.7.0               np113py36_0
pillow                    4.1.1                    py36_0
pyyaml                    3.12                     py36_0
requests                  2.14.2                   py36_0
```

&

```
sessionInfo()
R version 3.4.1 (2017-06-30)
Platform: x86_64-w64-mingw32/x64 (64-bit)
Running under: Windows >= 8 x64 (build 9200)

Matrix products: default

locale:
[1] LC_COLLATE=English_India.1252  LC_CTYPE=English_India.1252
LC_MONETARY=English_India.1252
[4] LC_NUMERIC=C                   LC_TIME=English_India.1252

attached base packages:
[1] stats     graphics  grDevices utils     datasets  methods   base

other attached packages:
[1] tensorflow_0.9.0.9001

loaded via a namespace (and not attached):
 [1] httr_1.2.1          compiler_3.4.1      R6_2.2.2            tools_3.4.1
 [5] withr_1.0.2         curl_2.7            Rcpp_0.12.11        reticulate_0.9.0.9000
 [9] memoise_1.1.0       git2r_0.18.0        jsonlite_1.5        digest_0.6.12
[13] devtools_1.13.2
```

after this I was trying the following

```
> library(tensorflow)
> sess = tf$Session()
Error: Installation of TensorFlow not found.

Python environments searched for 'tensorflow' package:
 C:\Users\HARI G B\AppData\Local\Programs\Python\Python36-32\python.exe
 C:\ProgramData\Anaconda3\python.exe

You can install TensorFlow using the install_tensorflow() function.
```

☺

🤖 **jjallaire** commented on Jul 2, 2017

So for some reason it can't find the conda environment that was created. What is the output of:

```
reticulate::conda_list()
```

HARIGB commented on Jul 2, 2017

```
> reticulate::conda_list()
          name
python
1 r-tensorflow C:\\Users\\HARI G B\\AppData\\Local\\conda\\conda\\envs\\r-
tensorflow\\python.exe
2   tensorflow   C:\\Users\\HARI G
B\\AppData\\Local\\conda\\conda\\envs\\tensorflow\\python.exe
3         root
C:\\ProgramData\\Anaconda3\\python.exe
```

jjallaire commented on Jul 2, 2017

What about `reticulate::py_config()` ?

jjallaire commented on Jul 2, 2017

One guess is that the problem is the spaces in your username path. We should be resilient to that but it's possible we are not. What happens if you try this:

```
library(tensorflow)
use_condaenv("r-tensorflow")
sess <- tf$Session()
```

jjallaire commented on Jul 2, 2017

Then after that what is the output of `reticulate::py_config()`

HARIGB commented on Jul 2, 2017

```
libpython:          C:/PROGRA~3/ANACON~1/python36.dll
pythonhome:         C:\PROGRA~3\ANACON~1
version:            3.6.1 |Anaconda 4.4.0 (64-bit)| (default, May 11 2017, 13:25:24) [MSC v.1900
64 bit (AMD64)]
Architecture:       64bit
numpy:              C:\PROGRA~3\ANACON~1\lib\site-packages\numpy
numpy_version:      1.12.1
tensorflow:         [NOT FOUND]

python versions found:
 C:\Users\HARIGB~1\AppData\Local\Programs\Python\PYTHON~1\\python.exe
 C:\PROGRA~3\ANACON~1\python.exe




> library(tensorflow)
> use_condaenv("r-tensorflow")
> sess <- tf$Session()
Error: Python module tensorflow was not found.

Detected Python configuration:

python:             C:\PROGRA~3\ANACON~1\python.exe
libpython:          C:/PROGRA~3/ANACON~1/python36.dll
pythonhome:         C:\PROGRA~3\ANACON~1
version:            3.6.1 |Anaconda 4.4.0 (64-bit)| (default, May 11 2017, 13:25:24) [MSC v.1900
64 bit (AMD64)]
Architecture:       64bit
numpy:              C:\PROGRA~3\ANACON~1\lib\site-packages\numpy
numpy_version:      1.12.1
tensorflow:         [NOT FOUND]

python versions found:
 C:\Users\HARIGB~1\AppData\Local\Programs\Python\PYTHON~1\\python.exe
 C:\PROGRA~3\ANACON~1\python.exe




> reticulate::py_config()
python:             C:\PROGRA~3\ANACON~1\python.exe
libpython:          C:/PROGRA~3/ANACON~1/python36.dll
pythonhome:         C:\PROGRA~3\ANACON~1
version:            3.6.1 |Anaconda 4.4.0 (64-bit)| (default, May 11 2017, 13:25:24) [MSC v.1900
64 bit (AMD64)]
Architecture:       64bit
numpy:              C:\PROGRA~3\ANACON~1\lib\site-packages\numpy
numpy_version:      1.12.1
tensorflow:         [NOT FOUND]

python versions found:
 C:\Users\HARIGB~1\AppData\Local\Programs\Python\PYTHON~1\\python.exe
 C:\PROGRA~3\ANACON~1\python.exe
```

☺

I just checked in a fix which should handle spaces within the paths of conda environments. Could you restart R then re-install reticulate with:

```
devtools::install_github("rstudio/reticulate")
```

Then try again?

😊

🟦 **HARIGB** commented on Jul 2, 2017

Finally it Worked!! Great, Thanks a lot for your support.

```
* DONE (reticulate)
> library(tensorflow)
> use_condaenv("r-tensorflow")
> sess <- tf$Session()
> hello <- tf$constant('Hello, TensorFlow!')
> sess$run(hello)
b'Hello, TensorFlow!'
```

😊

🟦 **HARIGB** closed this on Jul 2, 2017

🟦 **jjallaire** commented on Jul 2, 2017

Great! IT should work without the `use_condaenv` btw.

Thanks for reporting and sticking with it until we got to the root problem!

😊

🟦 **HARIGB** commented on Jul 2, 2017

Its all because I was inspired by your dedication towards the immediate responses. Great Sir Ji Keep it up.

😊

Okay, will do! :-)

...

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tle4336 commented on Apr 16, 2019 • edited ▾

@jjallaire can you please also help me out Sir?? I got the same problem. I tried everything above, but I still end up with

> sess <- tf$Session()
> Error: Installation of TensorFlow not found.
>
> Python environments searched for 'tensorflow' package:
> /Users/[name]/Downloads/anaconda2/bin/python2.7
> /usr/bin/python
> /Library/Frameworks/Python.framework/Versions/3.5/bin/python3.5
> /Users/[name]/venv/bin/python2.7
>
> You can install TensorFlow using the install_tensorflow() function.

---

zefreh commented on Jul 17, 2019

I have the same problem.

Glender commented on Aug 8, 2019 • edited ▾

I still encounter the same problem as HARIGB, but the solutions offered by jjallaire did not fix it for me. Help is deeply appreciated...

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jdblischak commented on Aug 15, 2019

For those still getting the error `Installation of TensorFlow not found.`, one thing to try is uninstalling Anaconda, reinstalling Anaconda, and then running `conda update --all` to make sure everything is the latest version. This recently fixed the error for a [user on RStudio Community](#).

Installation of TensorFlow not found. #425

⊘ Closed

glensbo mentioned this issue on Jul 24, 2020

RStudio crashes durin this excersize #432

⊘ Closed

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Linked pull requests

Successfully merging a pull request may close this issue.

None yet

6 participants