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Dlib installation error? [duplicate]

Asked 3 years, 8 months ago Modified 3 years ago Viewed 78k times



13



3



This question already has answers here:

[dlib installation on Windows 10](#) (18 answers)

Closed 2 years ago.

Visual studio 2015 is not installed I have installed all the requirements before building dlib in python: Cmake

python 3.6 and other bindings.

while installing dlib using pip:

```
pip install dlib
```

Got an error:

```
Collecting dlib
  Using cached
https://files.pythonhosted.org/packages/df/aa/6a9bb2a763107bb2606d6ee1aa65fcd3b51375
19.15.0.tar.gz
Building wheels for collected packages: dlib
  Running setup.py bdist_wheel for dlib ... error
  Complete output from command "c:\users\vikas tiwari\anaconda3\python.exe" -u -c
"import setuptools,
tokenize;__file__='C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-install-
4f4b8868\\dlib\\setup.py';f=getattr(tokenize, 'open', open)
(__file__);code=f.read().replace('\\r\\n', '\\n');f.close();exec(compile(code,
__file__, 'exec'))" bdist_wheel -d C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-
wheel-nnayeybw --python-tag cp36:
  running bdist_wheel
  running build
  running build_py
  package init file 'dlib\\__init__.py' not found (or not a regular file)
  running build_ext
  Building extension for Python 3.6.5 |Anaconda, Inc.| (default, Mar 29 2018,
13:32:41) [MSC v.1900 64 bit (AMD64)]
  Invoking CMake setup: 'cmake C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-install-
4f4b8868\\dlib\\tools\\python -
DCMAKE_LIBRARY_OUTPUT_DIRECTORY=C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-install-
4f4b8868\\dlib\\build\\lib.win-amd64-3.6 -DPYTHON_EXECUTABLE=c:\\users\\vikas
tiwari\\anaconda3\\python.exe -
DCMAKE_LIBRARY_OUTPUT_DIRECTORY_RELEASE=C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-
install-4f4b8868\\dlib\\build\\lib.win-amd64-3.6 -A x64'
  -- Building for: Visual Studio 14 2015
  -- Selecting Windows SDK version to target Windows 10.0.17134.
CMake Error: CMakeLists.txt:
```

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to get the value of VCTargetsPath:

Microsoft (R) Build Engine version 14.0.25420.1
Copyright (C) Microsoft Corporation. All rights reserved.

Build started 8/7/2018 1:07:47 PM.

Project "C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-4f4b8868\dlib\build\temp.win-amd64-3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj" on node 1 (default targets).
C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-4f4b8868\dlib\build\temp.win-amd64-3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj(14,2): error MSB4019: The imported project "C:\Microsoft.Cpp.Default.props" was not found. Confirm that the path in the <Import> declaration is correct, and that the file exists on disk.
Done Building Project "C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-4f4b8868\dlib\build\temp.win-amd64-3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj" (default targets) -- FAILED.

Build FAILED.

"C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-4f4b8868\dlib\build\temp.win-amd64-3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj" (default target) (1) ->
C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-4f4b8868\dlib\build\temp.win-amd64-3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj(14,2): error MSB4019: The imported project "C:\Microsoft.Cpp.Default.props" was not found. Confirm that the path in the <Import> declaration is correct, and that the file exists on disk.

0 Warning(s)

1 Error(s)

Time Elapsed 00:00:00.03

Exit code: 1

-- Configuring incomplete, errors occurred!
See also "C:/Users/Vikas Tiwari/AppData/Local/Temp/pip-install-4f4b8868/dlib/build/temp.win-amd64-3.6/Release/CMakeFiles/CMakeOutput.log".
Traceback (most recent call last):
File "<string>", line 1, in <module>
File "C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-4f4b8868\dlib\setup.py", line 257, in <module>
 'Topic :: Software Development',
File "c:\users\vikas tiwari\anaconda3\lib\site-packages\setuptools__init__.py", line 129, in setup
 return distutils.core.setup(**attrs)
File "c:\users\vikas tiwari\anaconda3\lib\distutils\core.py", line 148, in setup
 dist.run_commands()
File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 955, in run_commands
 self.run_command(cmd)
File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 974, in run_command
 cmd_obj.run()
File "c:\users\vikas tiwari\anaconda3\lib\site-packages\wheel\bdist_wheel.py", line 202, in run
 self.run_command('build')

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```

File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 974, in
run_command
    cmd_obj.run()
File "c:\users\vikas tiwari\anaconda3\lib\distutils\command\build.py", line
135, in run
    self.run_command(cmd_name)
File "c:\users\vikas tiwari\anaconda3\lib\distutils\cmd.py", line 313, in
run_command
    self.distribution.run_command(command)
File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 974, in
run_command
    cmd_obj.run()
File "C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-
4f4b8868\dlib\setup.py", line 133, in run
    self.build_extension(ext)
File "C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-
4f4b8868\dlib\setup.py", line 170, in build_extension
    subprocess.check_call(cmake_setup, cwd=build_folder)
File "c:\users\vikas tiwari\anaconda3\lib\subprocess.py", line 291, in
check_call
    raise CalledProcessError(retcode, cmd)
subprocess.CalledProcessError: Command '['cmake',
'C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-install-
4f4b8868\\dlib\\tools\\python', '-
DCMAKE_LIBRARY_OUTPUT_DIRECTORY=C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-
install-4f4b8868\\dlib\\build\\lib.win-amd64-3.6', '-
DPYTHON_EXECUTABLE=c:\\users\\vikas tiwari\\anaconda3\\python.exe', '-
DCMAKE_LIBRARY_OUTPUT_DIRECTORY_RELEASE=C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\p
install-4f4b8868\\dlib\\build\\lib.win-amd64-3.6', '-A', 'x64']' returned non-
zero exit status 1.

-----
Failed building wheel for dlib
Running setup.py clean for dlib
Failed to build dlib
Installing collected packages: dlib
Running setup.py install for dlib ... error
Complete output from command "c:\users\vikas tiwari\anaconda3\python.exe" -u
-c "import setuptools,
tokenize;__file__='C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-install-
4f4b8868\\dlib\\setup.py';f=getattr(tokenize, 'open', open)
(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code,
__file__, 'exec'))" install --record C:\Users\VIKAST~1\AppData\Local\Temp\pip-
record-aol24hcc\install-record.txt --single-version-externally-managed --compile:
running install
running build
running build_py
package init file 'dlib\__init__.py' not found (or not a regular file)
running build_ext
Building extension for Python 3.6.5 |Anaconda, Inc.| (default, Mar 29 2018,
13:32:41) [MSC v.1900 64 bit (AMD64)]
Invoking CMake setup: 'cmake C:\Users\VIKAST~1\AppData\Local\Temp\pip-
install-4f4b8868\dlib\tools\python -
DCMAKE_LIBRARY_OUTPUT_DIRECTORY=C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-
4f4b8868\dlib\build\lib.win-amd64-3.6 -DPYTHON_EXECUTABLE=c:\users\vikas
tiwari\anaconda3\python.exe -
DCMAKE_LIBRARY_OUTPUT_DIRECTORY_RELEASE=C:\Users\VIKAST~1\AppData\Local\Temp\pip-
install-4f4b8868\dlib\build\lib.win-amd64-3.6 -A x64'
-- Building for: Visual Studio 14 2015
-- Selecting Windows SDK version to target Windows 10.0.17134.
CMake Error in CMakeLists.txt:
  Failed to run MSBuild command:

```

Microsoft (R) Build Engine version 14.0.25420.1
Copyright (C) Microsoft Corporation. All rights reserved.

```
Build started 8/7/2018 1:07:50 PM.
Project "C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-
4f4b8868\dlib\build\temp.win-amd64-
3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj" on node 1 (default targets).
C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-
4f4b8868\dlib\build\temp.win-amd64-
3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj(14,2): error MSB4019: The
imported project "C:\Microsoft.Cpp.Default.props" was not found. Confirm that the
path in the <Import> declaration is correct, and that the file exists on disk.
Done Building Project "C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-
install-4f4b8868\dlib\build\temp.win-amd64-
3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj" (default targets) -- FAILED.
```

Build FAILED.

```
"C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-
4f4b8868\dlib\build\temp.win-amd64-
3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj" (default target) (1) ->
C:\Users\Vikas Tiwari\AppData\Local\Temp\pip-install-
4f4b8868\dlib\build\temp.win-amd64-
3.6\Release\CMakeFiles\3.12.0\VCTargetsPath.vcxproj(14,2): error MSB4019: The
imported project "C:\Microsoft.Cpp.Default.props" was not found. Confirm that the
path in the <Import> declaration is correct, and that the file exists on disk.
```

```
0 Warning(s)
1 Error(s)
```

Time Elapsed 00:00:00.03

Exit code: 1

```
-- Configuring incomplete, errors occurred!
See also "C:/Users/Vikas Tiwari/AppData/Local/Temp/pip-install-
4f4b8868\dlib\build\temp.win-amd64-3.6\Release\CMakeFiles\CMakeOutput.log".
Traceback (most recent call last):
  File "<string>", line 1, in <module>
  File "C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-
4f4b8868\dlib\setup.py", line 257, in <module>
    'Topic :: Software Development',
  File "c:\users\vikas tiwari\anaconda3\lib\site-
packages\setuptools\__init__.py", line 129, in setup
    return distutils.core.setup(**attrs)
  File "c:\users\vikas tiwari\anaconda3\lib\distutils\core.py", line 148, in
setup
    dist.run_commands()
  File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 955, in
run_commands
    self.run_command(cmd)
  File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 974, in
run_command
    cmd_obj.run()
  File "c:\users\vikas tiwari\anaconda3\lib\site-
packages\setuptools\command\install.py", line 61, in run
    return orig.install.run(self)
  File "c:\users\vikas tiwari\anaconda3\lib\distutils\command\install.py",
line 545, in run
```

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```

        self.distribution.run_command(command)
    File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 974, in
run_command
        cmd_obj.run()
    File "c:\users\vikas tiwari\anaconda3\lib\distutils\command\build.py", line
135, in run
        self.run_command(cmd_name)
    File "c:\users\vikas tiwari\anaconda3\lib\distutils\cmd.py", line 313, in
run_command
        self.distribution.run_command(command)
    File "c:\users\vikas tiwari\anaconda3\lib\distutils\dist.py", line 974, in
run_command
        cmd_obj.run()
    File "C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-
4f4b8868\dlib\setup.py", line 133, in run
        self.build_extension(ext)
    File "C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-
4f4b8868\dlib\setup.py", line 170, in build_extension
        subprocess.check_call(cmake_setup, cwd=build_folder)
    File "c:\users\vikas tiwari\anaconda3\lib\subprocess.py", line 291, in
check_call
        raise CalledProcessError(retcode, cmd)
    subprocess.CalledProcessError: Command '['cmake',
'C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-install-
4f4b8868\\dlib\\tools\\python', '-
DCMAKE_LIBRARY_OUTPUT_DIRECTORY=C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-
install-4f4b8868\\dlib\\build\\lib.win-amd64-3.6', '-
DPYTHON_EXECUTABLE=c:\\users\\vikas tiwari\\anaconda3\\python.exe', '-
DCMAKE_LIBRARY_OUTPUT_DIRECTORY_RELEASE=C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\p
install-4f4b8868\\dlib\\build\\lib.win-amd64-3.6', '-A', 'x64']' returned non-
zero exit status 1.

-----
Command "c:\users\vikas tiwari\anaconda3\python.exe" -u -c "import setuptools,
tokenize;__file__='C:\\Users\\VIKAST~1\\AppData\\Local\\Temp\\pip-install-
4f4b8868\\dlib\\setup.py';f=getattr(tokenize, 'open', open)
(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code,
__file__, 'exec'))" install --record C:\Users\VIKAST~1\AppData\Local\Temp\pip-
record-aol24hcc\install-record.txt --single-version-externally-managed --compile"
failed with error code 1 in C:\Users\VIKAST~1\AppData\Local\Temp\pip-install-
4f4b8868\dlib\

```

I really don't have any idea what's the real issue here. Do i have to install Visual Studio to compile c++ files of dlib ? Don't have VS 2015 installed right now!!

[python-3.x](#) [visual-studio](#) [cmake](#) [dlib](#)

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asked Aug 7, 2018 at 7:58



Vikas Tiwari

user **131** 1 1 3

is your problem solved? – [Ashwani Tanwar](#) Nov 20, 2020 at 15:03

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Here is how I solved the same issue.

16

1. Make sure you have installed cmake and `CMAKE_FOLDER\bin` added it in environment variable

2. Install anaconda



3. then run following commands in anaconda shell.

```
conda update conda
```

```
conda update anaconda
```

4. create new environment `conda create -n env_dlib python=3.6`

5. activate enviroment `conda activate env_dlib`

6. install dlib `conda install -c conda-forge dlib`

Verify your installation in python shell using

```
import dlib
dlib.__version__
```

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answered Apr 10, 2019 at 16:03



[Shakeel Hussain](#)

181 1 8

Here you go :

3

• Download CMake from [cmake](#) and add it to `PATH(C:\Program Files\CMake\bin)`

• Install dlib using `pip (pip install dlib==19.4)`



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edited Oct 22, 2018 at 7:54

answered Oct 14, 2018 at 14:26



[Suraj Rao](#)

28.8k 10 92 98



[ASHu2](#)

1,948 14 27

Forget Everything and try the method to install dlib and/or opencv [here](#) from scratch.

5

It's a very simple 3 step method

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3. Install `dlib` and `opencv` using pip through cmd.

You can connect to [this](#) thread as well.

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answered Dec 11, 2018 at 12:58



[Legolas](#)

533

1

7

16

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