# First Error Message

$ python configure.py

'C:\Program' is not recognized as an internal or external command,

operable program or batch file.

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\*\*\* Configuring GMAT dependencies \*\*\*

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Community\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Community\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

Downloading Xerces-C 3.2.2...

Downloading wxWidgets 3.0.4...

Traceback (most recent call last):

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\tarfile.py", line 1672, in bz2open

t = cls.taropen(name, mode, fileobj, \*\*kwargs)

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\tarfile.py", line 1621, in taropen

return cls(name, mode, fileobj, \*\*kwargs)

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\tarfile.py", line 1484, in \_\_init\_\_

self.firstmember = self.next()

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\tarfile.py", line 2287, in next

tarinfo = self.tarinfo.fromtarfile(self)

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\tarfile.py", line 1094, in fromtarfile

buf = tarfile.fileobj.read(BLOCKSIZE)

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\bz2.py", line 178, in read

return self.\_buffer.read(size)

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\\_compression.py", line 68, in readinto

data = self.read(len(byte\_view))

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\\_compression.py", line 99, in read

raise EOFError("Compressed file ended before the "

EOFError: Compressed file ended before the end-of-stream marker was reached

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

File "configure.py", line 547, in <module>

download\_depends()

File "configure.py", line 127, in download\_depends

tar = tarfile.open('wxWidgets.tar.bz2', 'r:bz2')

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\tarfile.py", line 1591, in open

return func(name, filemode, fileobj, \*\*kwargs)

File "C:\Users\willi\AppData\Local\Programs\Python\Python37\lib\tarfile.py", line 1676, in bz2open

raise ReadError("not a bzip2 file")

tarfile.ReadError: not a bzip2 file

## Fix

Line 126

            os.system(depends\_path+'/bin/curl/curl -Lk https://github.com/wxWidgets/wxWidgets/releases/download/v' + wx\_version + '/wxWidgets-' + wx\_version + '.tar.bz2 > wxWidgets.tar.bz2')

s

This location <https://github.com/wxWidgets/wxWidgets/releases> ... doesn’t exit. Download manually: wxWidgets3.04 and rename to wxWidget.tar.bx2🡪 place into wxWidget

Comment out line 125 and 126

# Second Error Message

$ python configure.py

\*\*\* Configuring GMAT dependencies \*\*\*

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Community\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

'C:\Program' is not recognized as an internal or external command,

operable program or batch file.

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Community\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

Downloading wxWidgets 3.0.4...

Downloading 64bit CSPICE N0065...

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Downloading SWIG 4.0.0...

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Downloading Java JDK 11.0.5+10...

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Traceback (most recent call last):

File "configure.py", line 547, in <module>

download\_depends()

File "configure.py", line 227, in download\_depends

os.rename('jdk-' + java\_full\_version, 'jdk')

FileNotFoundError: [WinError 2] The system cannot find the file specified: 'jdk-11.0.5+10' -> 'jdk'

## Fix

It can’t find the file it’s supposed to be downloading. Put jdk zip manually into java folder and unzip rename jdk-11.0.5+10' -> 'jdk'

Unclear if it should be

C:\GMAT\_Compiling\gmat-git\depends\java\windows\jdk\jdk

Or

C:\GMAT\_Compiling\gmat-git\depends\java\windows\jdk

Fix this later

# Third Error Message

$ python configure.py

\*\*\* Configuring GMAT dependencies \*\*\*

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Community\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

'C:\Program' is not recognized as an internal or external command,

operable program or batch file.

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Community\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

\*\*\*\*\*\*\*\*\*\* Configuring Xerces-C++ 3.2.2 \*\*\*\*\*\*\*\*\*\*

-- Compiling debug Xerces. This could take a while...

-- Compiling release Xerces. This could take a while...

\*\*\*\*\*\*\*\*\*\* Configuring wxWidgets 3.0.4 \*\*\*\*\*\*\*\*\*\*

-- Compiling debug wxWidgets. This could take a while...

-- Compiling release wxWidgets. This could take a while...

Traceback (most recent call last):

File "configure.py", line 550, in <module>

build\_wxWidgets()

File "configure.py", line 352, in build\_wxWidgets

os.rename('vc' + vc\_major\_version + vc\_minor\_version + wxtype + 'dll', 'vc' + wxtype + 'dll')

FileNotFoundError: [WinError 2] The system cannot find the file specified: 'vc141\_x64\_dll' -> 'vc\_x64\_dll'

## Fix

You are in this directory C:\GMAT\_Compiling\gmat-git\depends\wxWidgets\wxWidgets-3.0.4\lib

Looking for this file:

vc141\_x64\_dll

and renaming it to this:

vc\_x64\_dll

Question Asked on mailing list

Also this from the mailing list: <https://sourceforge.net/p/gmat/mailman/gmat-developers/thread/38d8ec13-637f-4ee5-cdda-41ee80d6a980%40stellarscience.com/#msg37124958>

Solution: Download visual studio 2017 professional

# Final output:

$ python configure.py

\*\*\* Configuring GMAT dependencies \*\*\*

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Professional\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

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\*\* Visual Studio 2017 Developer Command Prompt v15.9.53

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[vcvarsall.bat] Environment initialized for: 'x86\_x64'

"C:\Program Files (x86)\Microsoft Visual Studio\2017\Professional\Common7\Tools\..\..\VC\Auxiliary\Build\vcvarsall.bat" x86\_amd64 & set > vsEnvironment.txt

\*\*\*\*\*\*\*\*\*\* Configuring Xerces-C++ 3.2.2 \*\*\*\*\*\*\*\*\*\*

-- Compiling debug Xerces. This could take a while...

-- Compiling release Xerces. This could take a while...

\*\*\*\*\*\*\*\*\*\* Configuring wxWidgets 3.0.4 \*\*\*\*\*\*\*\*\*\*

-- Compiling debug wxWidgets. This could take a while...

-- Compiling release wxWidgets. This could take a while...

\*\*\*\*\*\*\*\*\*\* Configuring CSPICE \*\*\*\*\*\*\*\*\*\*

-- Compiling debug CSPICE. This could take a while...

-- Compiling release CSPICE. This could take a while...

\*\*\* Done configuring GMAT dependencies, please see status messages and logs for details \*\*\*