# How to modify MLAgents to export the model to Pytorch rather than Onnx

Start by going to the path where you have your Anaconda installed.

### Once there, go to your "envs" folder

This PC > 1TB HD (D:) > Anaconda\_Installation

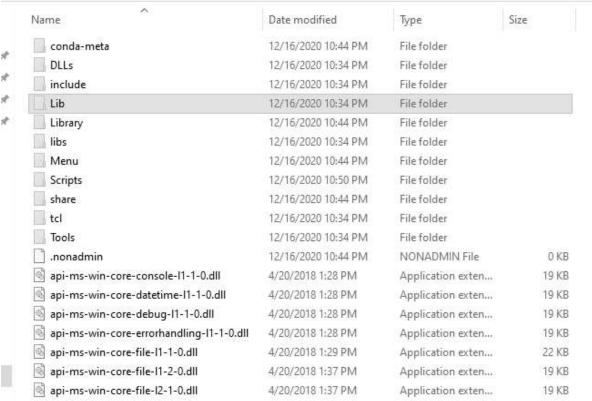
lar	me	Date modified	Туре	Size
	bin	12/14/2020 1:42 AM	File folder	
ī	condabin	12/14/2020 1:43 AM	File folder	
ī	conda-meta	1/6/2021 2:18 PM	File folder	
	DLLs	12/14/2020 10:30 AM	File folder	
	envs	1/18/2021 4:10 PM	File folder	
Ī	etc	12/14/2020 1:43 AM	File folder	
	include	12/14/2020 1:43 AM	File folder	
	info	12/14/2020 1:43 AM	File folder	
	Lib	12/14/2020 1:43 AM	File folder	
	Library	1/6/2021 2:18 PM	File folder	
	libs	12/14/2020 1:43 AM	File folder	
10	man	12/14/2020 1:43 AM	File folder	
3	Menu	12/14/2020 1:43 AM	File folder	
	pkgs	1/18/2021 4:10 PM	File folder	
	Scripts	12/15/2020 12:27 PM	File folder	
	share	12/14/2020 1:43 AM	File folder	
	shell	12/14/2020 1:43 AM	File folder	
	sip	12/14/2020 1:43 AM	File folder	
	tcl	12/14/2020 1:43 AM	File folder	
0	Tools	12/14/2020 1:43 AM	File folder	
	.nonadmin	1/6/2021 2:18 PM	NONADMIN File	0 KE
0	_conda	11/13/2020 8:51 PM	Application	18,858 KE
8	api-ms-win-core-console-l1-1-0.dll	4/20/2018 11:28 PM	Application exten	19 KE
8	api-ms-win-core-datetime-l1-1-0.dll	4/20/2018 11:28 PM	Application exten	19 KE
0	api-ms-win-core-debug-l1-1-0.dll	4/20/2018 11:28 PM	Application exten	19 KE
0	api-ms-win-core-errorhandling-I1-1-0.dll	4/20/2018 11:28 PM	Application exten	19 KB
¢,	api-ms-win-core-file-I1-1-0.dll	4/20/2018 11:29 PM	Application exten	22 KB
	api-ms-win-core-file-l1-2-0.dll	4/20/2018 11:37 PM	Application exten	19 KE
0	api-ms-win-core-file-I2-1-0.dll	4/20/2018 11:37 PM	Application exten	19 KE
0	api-ms-win-core-handle-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	19 KE
0	api-ms-win-core-heap-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	19 KE
0	api-ms-win-core-interlocked-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	19 KE
0	api-ms-win-core-libraryloader-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	20 KE
0	api-ms-win-core-localization-I1-2-0.dll	4/20/2018 11:37 PM	Application exten	21 KB
6	api-ms-win-core-memory-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	19 KE
4	api-ms-win-core-namedpipe-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	19 KE
0	api-ms-win-core-processenvironment-I1	4/20/2018 11:37 PM	Application exten	20 KE
0	api-ms-win-core-processthreads-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	21 KE
Ø,	api-ms-win-core-processthreads-I1-1-1.dll	4/20/2018 11:37 PM	Application exten	19 KE
0	api-ms-win-core-profile-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	18 KE
0	api-ms-win-core-rtlsupport-I1-1-0.dll	4/20/2018 11:37 PM	Application exten	19 KE

#### Here is the list of your installed environments. Go to the folder of the environment where you have mlagents installed

Name ^	Date modified	Туре
GYM	12/16/2020 10:44 PM	File folder
GYM_GPU	12/17/2020 11:19 AM	File folder
Gym2	12/16/2020 11:06 PM	File folder
GYM3	12/16/2020 11:20 PM	File folde
PyTORCH_2_TFLITE	12/29/2020 11:53 AM	File folder
Tensorflow115	12/16/2020 10:14 PM	File folder

#### Then go to "Lib" folder





Then go to "site-packages". This is where all the libraries you installed using pip are located

This PC > 1TB HD (D:) > Anaconda\_Installation > envs > GYM > Lib

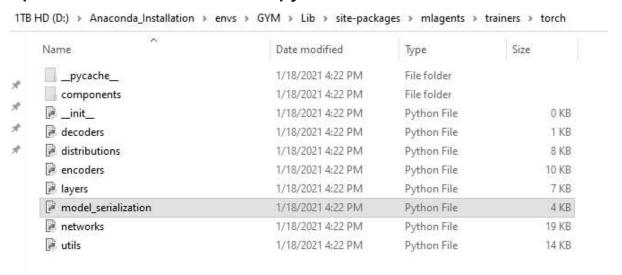
Name	Date modified	Туре	Size
pycache	12/16/2020 10:34 PM	File folder	
asyncio	12/16/2020 10:34 PM	File folder	
collections	12/16/2020 10;34 PM	File folder	
concurrent	12/16/2020 10:34 PM	File folder	
ctypes	12/16/2020 10:34 PM	File folder	
curses	12/16/2020 10:34 PM	File folder	
dbm	12/16/2020 10:34 PM	File folder	
distutils	12/16/2020 10:34 PM	File folder	
email	12/16/2020 10:34 PM	File folder	
encodings	12/16/2020 10:34 PM	File folder	
ensurepip	12/16/2020 10:34 PM	File folder	
html	12/16/2020 10:34 PM	File folder	
http	12/16/2020 10:34 PM	File folder	
idlelib	12/16/2020 10:34 PM	File folder	
importlib	12/16/2020 10:34 PM	File folder	
json	12/16/2020 10:34 PM	File folder	
lib2to3	12/16/2020 10:34 PM	File folder	
logging	12/16/2020 10:34 PM	File folder	
msilib	12/16/2020 10;34 PM	File folder	
multiprocessing	12/16/2020 10:34 PM	File folder	
pydoc_data	12/16/2020 10:34 PM	File folder	
site-packages	12/16/2020 10:59 PM	File folder	
sqlite3	12/16/2020 10:34 PM	File folder	
test	12/16/2020 10:34 PM	File folder	
tkinter	12/16/2020 10:34 PM	File folder	
turtledemo	12/16/2020 10:34 PM	File folder	
unittest	12/16/2020 10:34 PM	File folder	
urllib	12/16/2020 10:34 PM	File folder	
venv	12/16/2020 10:34 PM	File folder	
wsgiref	12/16/2020 10:34 PM	File folder	
xml	12/16/2020 10:34 PM	File folder	
xmlrpc	12/16/2020 10:34 PM	File folder	
🖟 _future_	8/15/2020 1:20 PM	Python File	5 K
🖟 _phellofoo	8/15/2020 1:20 PM	Python File	1 K
🖟 _bootlocale	8/15/2020 1:20 PM	Python File	2 K
collections abc	8/15/2020 1:20 PM	Python File	26 K

Here you should find mlagents. If you don't, you're in the wrong environment!

This PC > 1TB HD (D:) > Anaconda\_Installation > envs > GYM > Lib > site-packages

Name	v	Date modified	Туре	Size	
Jupytenap_pygments-v. r.z.dist-inro		12/ 10/2020 10:44 PIVI	riie i didei		
keras_preprocessing		12/16/2020 10:44 PM	File folder		
Keras_Preprocessing-1.1.2.dist-info		12/16/2020 10:44 PM	File folder		
kiwisolver-1.3.1.dist-info		12/16/2020 10:40 PM	File folder		
libfuturize		12/16/2020 10:40 PM	File folder		
libpasteurize		12/16/2020 10:40 PM	File folder		
markdown		12/16/2020 10:40 PM	File folder		
Markdown-3.3.3.dist-info		12/16/2020 10:40 PM	File folder		
markupsafe		12/16/2020 10:44 PM	File folder		
MarkupSafe-1.1.1.dist-info		12/16/2020 10:44 PM	File folder		
matplotlib		12/16/2020 10:40 PM	File folder		
matplotlib-3.3.3.dist-info		12/16/2020 10:40 PM	File folder		
mistune-0.8.4.dist-info		12/16/2020 10:44 PM	File folder		
mlagents		12/16/2020 10:50 PM	File folder		
mlagents-0.18.0.dist-info		12/16/2020 10:50 PM	File folder		
mpi4py		12/16/2020 10;59 PM	File folder		
mpi4py-3.0.3.dist-info		12/16/2020 10:59 PM	File folder		
mpl toolkits		12/16/2020 10:40 PM	File folder		

## Now go to the following path (/mlagents/trainers/torch)and open the model\_serialization.py file in a text editor



Add the highlighted line in the method "def export\_policy\_model..."

Don't forget to save! Now, in the same path where mlagents saves the onnx file it will also save your pytorch model!