PYTORCH WORKSHOP DOC

Intel oneAPI Hands-on workshop using Intel Intel® Extension for PyTorch (IPEX)

18th August 2021

Setup Instructions:

1. Open the terminal and clone github repository using following command:
   git clone https://github.com/asirvaiy/pytorch_workshop.git
2. Change working directory to pytorch_workshop:
   cd pytorch_workshop
3. Unzip both the zipped files, resnet50_training and resnet50_inference:
   unzip resnet50_training.zip
   unzip resnet50_inference.zip
4. Now we should be able to see resnet50_training and resnet50_inference directories created.
5. Open resnet50_training directory and double click on resnet50_training.ipynb to open the training notebook.
6. Make sure to select PyTorch 1.4.0 (AI kit) kernel. Check the figure given below to know how to change the kernel.
7. Similarly, after finishing resnet50_training.ipynb do the same with resnet50_inference.ipynb in resnet50_inference directory.

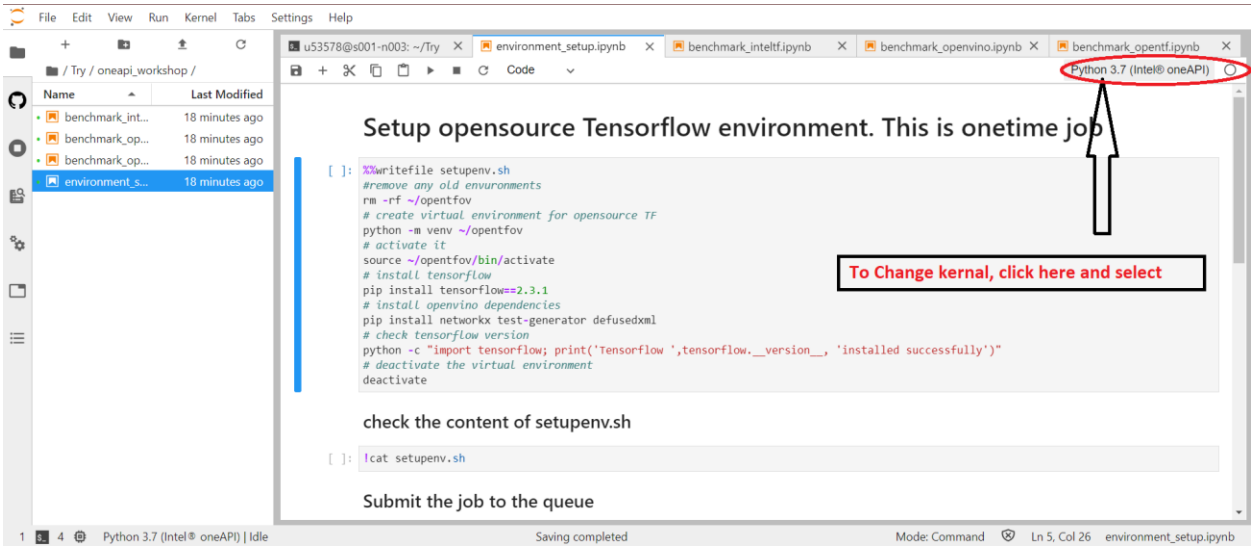

Figure: How To change the kernal

Documentation Links:

Intel DevCloud for oneAPI – Documentation
https://devcloud.intel.com/oneapi/get_started

Intel oneAPI AI Analytics toolkit – Documentation and Samples
https://software.intel.com/content/www/us/en/develop/tools/oneapi/ai-analytics-toolkit.html
https://github.com/oneapi-src/oneAPI-samples/tree/master/AI-and-Analytics
https://github.com/intel/intel-extension-for-pytorch
https://software.intel.com/content/www/us/en/develop/articles/getting-started-with-intel-optimization-of-pytorch.html

If you have any feedback on this document or ideas to improve it, please write an email to any of us at:

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