

Conversion to Lite Format

Import all the packages:

- Tensorflow , numpy
- Note : Tensorflow has not yet included all the modules of lite in the recent tensorflow version.
- According to them it will be updated in 1.15 version.

Make a zip file:

- You should have a zip file which contains all the checkpoint files as well as frozen model file(.pb) extension.
- Upload this zip directly into the colab. Take care about the directories where your model is uploaded and update them accordingly in the code.

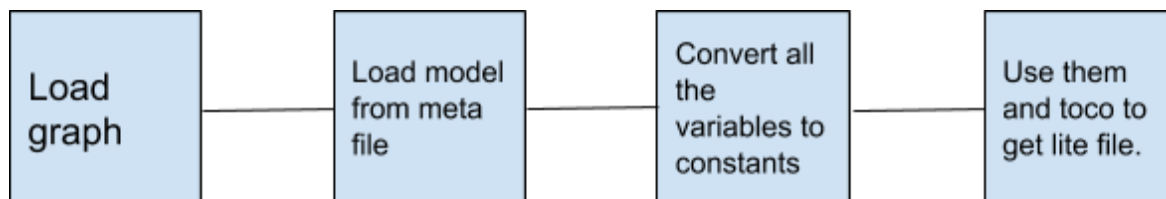
Names of the tensors:

- Whenever you use the frozen graph we have their input and output tensors which we need to use them in the toco converter.
- So Note: put them very accordingly during calling the **conversion** function in main().
- By default I have put it -'**prefix/input_node:0**' and '**prefix/output_node:0**' respectively.

Inputs in the conversion function

1. Inputs for the conversion function:
2. img_size_x = Size of the input tensor.
3. img_size=_y=Size of the input tensor.
4. channels= Number of Channels.
5. direc = path from where we should load all files..
6. frozen_model_pb = frozen graph name
7. checkpoint_path=the complete path and name of the meta file:
8. The file was-> "**CD_Check_k/filename_CD.ckpt.meta**"
9. Give input- "**CD_Check_k/filename_CD.ckpt**"

How Conversion works.



Some Screenshots for the reference:

