# pylint: disable=unused-argument, missing-docstring

'''

Common build graphs that can be reused

'''

import tensorflow.compat.v1 as tf

def get\_saved\_modules\_graph(input\_graph\_fn):

"""

Get common graph for stitching different saved modules for export.

This graph is used to save checkpoints; and then export the modules

as a unity.

Args:

features:

model features

params:

model params

input\_graph\_fn:

main logic for the stitching

Returns:

build\_graph

"""

def build\_graph(features, label, mode, params, config=None):

output = input\_graph\_fn(features, params)

# If mode is train, we just need to assign a dummy loss

# and update the train op. This is done to save the graph to save\_dir.

if mode == 'train':

loss = tf.constant(1)

train\_op = tf.assign\_add(tf.train.get\_global\_step(), 1)

return {'train\_op': train\_op, 'loss': loss}

return output

return build\_graph