

# Session config

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We already know that *tf.Session* is critical for use to run a tensorflow program. Actually, we can apply some configurations to it so that the program is more suitable for our use.

```
config = tf.ConfigProto()  
# the following line controls the fraction of GPU memory taken for  
training  
# so that we can use one gpu for multiple programs (saving resources)  
config.gpu_options.per_process_gpu_memory_fraction = 0.4  
with tf.Session(config=config) as sess:  
    # your training codes here
```

More can be found in this [document](#)