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1 ssh://zhangke@192.168.1.103:22/home/zhangke/anaconda3  
/envs/3dunet/bin/python -u /home/zhangke/projects/  
3D_UNet-master/src/main.py -model_dir models/  
base_model -mode train_eval  
2 INFO:tensorflow:Using config: {'_model_dir': 'models/  
base_model', '_tf_random_seed': None,  
'_save_summary_steps': 100, '_save_checkpoints_steps':  
None, '_save_checkpoints_secs': 600,  
'_session_config': allow_soft_placement: true  
3 graph_options {  
4     rewrite_options {  
5         meta_optimizer_iterations: ONE  
6     }  
7 }  
8 , '_keep_checkpoint_max': 5, '_keep_checkpoint_every_n_hours': 10000, '_log_step_count_steps': 70, '_train_distribute': None, '_device_fn': None, '_protocol': None, '_eval_distribute': None, '_experimental_distribute': None, '_service': None, '_cluster_spec': <tensorflow.python.training.server_lib.ClusterSpec object at 0x7f01d4477358>, '_task_type': 'worker', '_task_id': 0, '_global_id_in_cluster': 0, '_master': '', '_evaluation_master': '', '_is_chief': True, '_num_ps_replicas': 0, '_num_worker_replicas': 1}  
9 INFO:tensorflow:Calling model_fn.  
10 INFO:tensorflow:conv1: (?, 32, 512, 512, 32)  
11 INFO:tensorflow:conv2: (?, 32, 512, 512, 64)  
12 INFO:tensorflow:maxpool layer: (?, 16, 256, 256, 64)  
13 INFO:tensorflow:conv1: (?, 16, 256, 256, 64)  
14 INFO:tensorflow:conv2: (?, 16, 256, 256, 128)  
15 INFO:tensorflow:maxpool layer: (?, 8, 128, 128, 128)  
16 INFO:tensorflow:conv1: (?, 8, 128, 128, 128)  
17 INFO:tensorflow:conv2: (?, 8, 128, 128, 256)  
18 INFO:tensorflow:maxpool layer: (?, 4, 64, 64, 256)  
19 INFO:tensorflow:conv1: (?, 4, 64, 64, 256)  
20 INFO:tensorflow:conv2: (?, 4, 64, 64, 512)  
21 INFO:tensorflow:upconv layer: (?, 8, 128, 128, 512)  
22 INFO:tensorflow:concat layer: (?, 8, 128, 128, 256)  
23 INFO:tensorflow:up_conv layer1: (?, 8, 128, 128, 256)  
24 INFO:tensorflow:up_conv layer2 : (?, 8, 128, 128, 256 )  
25 INFO:tensorflow:upconv layer: (?, 16, 256, 256, 256)  
26 INFO:tensorflow:concat layer: (?, 16, 256, 256, 128)  
27 INFO:tensorflow:up_conv layer1: (?, 16, 256, 256, 128 )
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28 INFO:tensorflow:up_conv layer2 : (?, 16, 256, 256, 128)
29 INFO:tensorflow:upconv layer: (?, 32, 512, 512, 128)
30 INFO:tensorflow:concat layer: (?, 32, 512, 512, 64)
31 INFO:tensorflow:up_conv layer1: (?, 32, 512, 512, 64)
32 INFO:tensorflow:up_conv layer2 : (?, 32, 512, 512, 64)
33 INFO:tensorflow:Done calling model_fn.
34 INFO:tensorflow>Create CheckpointSaverHook.
35 INFO:tensorflow:Graph was finalized.
36 2020-07-01 16:00:51.146037: I tensorflow/core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2 AVX512F FMA
37 2020-07-01 16:00:51.432484: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1432] Found device 0 with properties:
38 name: GeForce RTX 2080 Ti major: 7 minor: 5
  memoryClockRate(GHz): 1.545
39 pciBusID: 0000:18:00.0
40 totalMemory: 10.73GiB freeMemory: 10.57GiB
41 2020-07-01 16:00:51.575841: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1432] Found device 1 with properties:
42 name: GeForce RTX 2080 Ti major: 7 minor: 5
  memoryClockRate(GHz): 1.545
43 pciBusID: 0000:3b:00.0
44 totalMemory: 10.73GiB freeMemory: 10.15GiB
45 2020-07-01 16:00:51.734952: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1432] Found device 2 with properties:
46 name: GeForce RTX 2080 Ti major: 7 minor: 5
  memoryClockRate(GHz): 1.545
47 pciBusID: 0000:5e:00.0
48 totalMemory: 10.73GiB freeMemory: 10.57GiB
49 2020-07-01 16:00:51.927502: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1432] Found device 3 with properties:
50 name: GeForce RTX 2080 Ti major: 7 minor: 5
  memoryClockRate(GHz): 1.545
51 pciBusID: 0000:86:00.0
52 totalMemory: 10.73GiB freeMemory: 10.57GiB
53 2020-07-01 16:00:51.927979: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1511] Adding visible gpu devices: 0, 1, 2, 3
54 2020-07-01 16:00:53.679784: I tensorflow/core/
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54 common_runtime/gpu/gpu_device.cc:982] Device
    interconnect StreamExecutor with strength 1 edge
    matrix:
55 2020-07-01 16:00:53.679842: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:988]      0 1 2 3
56 2020-07-01 16:00:53.679854: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1001] 0:  N N N N
57 2020-07-01 16:00:53.679862: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1001] 1:  N N N N
58 2020-07-01 16:00:53.679870: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1001] 2:  N N N N
59 2020-07-01 16:00:53.679878: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1001] 3:  N N N N
60 2020-07-01 16:00:53.681333: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1115] Created
    TensorFlow device (/job:localhost/replica:0/task:0/
    device:GPU:0 with 10203 MB memory) -> physical GPU (
    device: 0, name: GeForce RTX 2080 Ti, pci bus id:
    0000:18:00.0, compute capability: 7.5)
61 2020-07-01 16:00:53.681789: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1115] Created
    TensorFlow device (/job:localhost/replica:0/task:0/
    device:GPU:1 with 9795 MB memory) -> physical GPU (
    device: 1, name: GeForce RTX 2080 Ti, pci bus id:
    0000:3b:00.0, compute capability: 7.5)
62 2020-07-01 16:00:53.682088: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1115] Created
    TensorFlow device (/job:localhost/replica:0/task:0/
    device:GPU:2 with 10203 MB memory) -> physical GPU (
    device: 2, name: GeForce RTX 2080 Ti, pci bus id:
    0000:5e:00.0, compute capability: 7.5)
63 2020-07-01 16:00:53.682472: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1115] Created
    TensorFlow device (/job:localhost/replica:0/task:0/
    device:GPU:3 with 10203 MB memory) -> physical GPU (
    device: 3, name: GeForce RTX 2080 Ti, pci bus id:
    0000:86:00.0, compute capability: 7.5)
64 INFO:tensorflow:Restoring parameters from models/
    base_model/model.ckpt-0
65 INFO:tensorflow:Running local_init_op.
66 INFO:tensorflow:Done running local_init_op.
67 INFO:tensorflow:Saving checkpoints for 0 into models/
    base_model/model.ckpt.
68 2020-07-01 16:06:19.244065: W tensorflow/core/
    common_runtime/bfc_allocator.cc:267] Allocator (
    GPU_0_bfc) ran out of memory trying to allocate 4.
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68 00GiB. Current allocation summary follows.  
69 2020-07-01 16:06:19.244287: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (256):  
Total Chunks: 117, Chunks in use: 116. 29.2KiB  
allocated for chunks. 29.0KiB in use in bin. 9.7KiB  
client-requested in use in bin.  
70 2020-07-01 16:06:19.244322: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (512):  
Total Chunks: 35, Chunks in use: 35. 18.8KiB  
allocated for chunks. 18.8KiB in use in bin. 17.5KiB  
client-requested in use in bin.  
71 2020-07-01 16:06:19.244350: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (1024):  
Total Chunks: 33, Chunks in use: 33. 34.8KiB  
allocated for chunks. 34.8KiB in use in bin. 33.0KiB  
client-requested in use in bin.  
72 2020-07-01 16:06:19.244377: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (2048):  
Total Chunks: 11, Chunks in use: 11. 26.8KiB  
allocated for chunks. 26.8KiB in use in bin. 26.1KiB  
client-requested in use in bin.  
73 2020-07-01 16:06:19.244401: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (4096):  
Total Chunks: 0, Chunks in use: 0. 0B allocated for  
chunks. 0B in use in bin. 0B client-requested in use  
in bin.  
74 2020-07-01 16:06:19.244424: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (8192):  
Total Chunks: 0, Chunks in use: 0. 0B allocated for  
chunks. 0B in use in bin. 0B client-requested in use  
in bin.  
75 2020-07-01 16:06:19.244447: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (16384):  
Total Chunks: 0, Chunks in use: 0. 0B allocated for  
chunks. 0B in use in bin. 0B client-requested in use  
in bin.  
76 2020-07-01 16:06:19.244469: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (32768):  
Total Chunks: 0, Chunks in use: 0. 0B allocated for  
chunks. 0B in use in bin. 0B client-requested in use  
in bin.  
77 2020-07-01 16:06:19.244491: I tensorflow/core/  
common_runtime/bfc_allocator.cc:597] Bin (65536):  
Total Chunks: 0, Chunks in use: 0. 0B allocated for  
chunks. 0B in use in bin. 0B client-requested in use  
in bin.
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78 2020-07-01 16:06:19.244518: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (131072):
        Total Chunks: 2, Chunks in use: 2. 432.0KiB
        allocated for chunks. 432.0KiB in use in bin. 432.
        0KiB client-requested in use in bin.
79 2020-07-01 16:06:19.244543: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (262144):
        Total Chunks: 8, Chunks in use: 6. 3.34MiB allocated
        for chunks. 2.50MiB in use in bin. 2.32MiB client-
        requested in use in bin.
80 2020-07-01 16:06:19.244567: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (524288):
        Total Chunks: 9, Chunks in use: 7. 6.14MiB allocated
        for chunks. 4.80MiB in use in bin. 4.45MiB client-
        requested in use in bin.
81 2020-07-01 16:06:19.244594: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (1048576
    ): Total Chunks: 9, Chunks in use: 7. 15.19MiB
        allocated for chunks. 11.81MiB in use in bin. 11.
        39MiB client-requested in use in bin.
82 2020-07-01 16:06:19.244621: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (2097152
    ): Total Chunks: 7, Chunks in use: 6. 16.22MiB
        allocated for chunks. 13.69MiB in use in bin. 11.
        91MiB client-requested in use in bin.
83 2020-07-01 16:06:19.244648: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (4194304
    ): Total Chunks: 14, Chunks in use: 11. 82.25MiB
        allocated for chunks. 65.38MiB in use in bin. 62.
        44MiB client-requested in use in bin.
84 2020-07-01 16:06:19.244675: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (8388608
    ): Total Chunks: 8, Chunks in use: 6. 88.00MiB
        allocated for chunks. 70.00MiB in use in bin. 64.
        50MiB client-requested in use in bin.
85 2020-07-01 16:06:19.244701: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (16777216
    ): Total Chunks: 3, Chunks in use: 3. 60.75MiB
        allocated for chunks. 60.75MiB in use in bin. 60.
        75MiB client-requested in use in bin.
86 2020-07-01 16:06:19.244725: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (33554432
    ): Total Chunks: 1, Chunks in use: 0. 40.50MiB
        allocated for chunks. 0B in use in bin. 0B client-
        requested in use in bin.
87 2020-07-01 16:06:19.244751: I tensorflow/core/
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87 common_runtime/bfc_allocator.cc:597] Bin (67108864
    ): Total Chunks: 2, Chunks in use: 2. 128.00MiB
    allocated for chunks. 128.00MiB in use in bin. 128.
    00MiB client-requested in use in bin.
88 2020-07-01 16:06:19.244777: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (134217728
    ): Total Chunks: 2, Chunks in use: 1. 320.00MiB
    allocated for chunks. 128.00MiB in use in bin. 128.
    00MiB client-requested in use in bin.
89 2020-07-01 16:06:19.244808: I tensorflow/core/
    common_runtime/bfc_allocator.cc:597] Bin (268435456
    ): Total Chunks: 5, Chunks in use: 4. 9.22GiB
    allocated for chunks. 8.00GiB in use in bin. 8.00GiB
    client-requested in use in bin.
90 2020-07-01 16:06:19.244833: I tensorflow/core/
    common_runtime/bfc_allocator.cc:613] Bin for 4.00GiB
    was 256.00MiB, Chunk State:
91 2020-07-01 16:06:19.244864: I tensorflow/core/
    common_runtime/bfc_allocator.cc:619]   Size: 1.22GiB
        | Requested Size: 0B | in_use: 0, prev:   Size: 2.
        00GiB | Requested Size: 2.00GiB | in_use: 1
92 2020-07-01 16:06:19.244889: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000000 of size 1280
93 2020-07-01 16:06:19.244908: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000500 of size 512
94 2020-07-01 16:06:19.244925: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000700 of size 512
95 2020-07-01 16:06:19.244943: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000900 of size 256
96 2020-07-01 16:06:19.244960: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000a00 of size 256
97 2020-07-01 16:06:19.244978: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000b00 of size 256
98 2020-07-01 16:06:19.244994: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000c00 of size 256
99 2020-07-01 16:06:19.245011: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000d00 of size 256
100 2020-07-01 16:06:19.245028: I tensorflow/core/
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100 common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000e00 of size 256
101 2020-07-01 16:06:19.245045: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0000f00 of size 512
102 2020-07-01 16:06:19.245062: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0001100 of size 512
103 2020-07-01 16:06:19.245079: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0001300 of size 256
104 2020-07-01 16:06:19.245095: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0001400 of size 256
105 2020-07-01 16:06:19.245114: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0001500 of size 1024
106 2020-07-01 16:06:19.245132: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0001900 of size 1024
107 2020-07-01 16:06:19.245149: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0001d00 of size 512
108 2020-07-01 16:06:19.245165: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0001f00 of size 512
109 2020-07-01 16:06:19.245182: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0002100 of size 1024
110 2020-07-01 16:06:19.245199: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0002500 of size 256
111 2020-07-01 16:06:19.245216: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0002600 of size 1024
112 2020-07-01 16:06:19.245233: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0002a00 of size 256
113 2020-07-01 16:06:19.245250: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0002b00 of size 256
114 2020-07-01 16:06:19.245267: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0002c00 of size 1024
115 2020-07-01 16:06:19.245285: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
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115 0x7efbf0003000 of size 1769472
116 2020-07-01 16:06:19.245302: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf01b3000 of size 1769472
117 2020-07-01 16:06:19.245320: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0363000 of size 4849664
118 2020-07-01 16:06:19.245337: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803000 of size 256
119 2020-07-01 16:06:19.245354: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803100 of size 256
120 2020-07-01 16:06:19.245371: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803200 of size 256
121 2020-07-01 16:06:19.245389: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803300 of size 768
122 2020-07-01 16:06:19.245404: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803600 of size 256
123 2020-07-01 16:06:19.245420: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803700 of size 1024
124 2020-07-01 16:06:19.245437: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803b00 of size 1024
125 2020-07-01 16:06:19.245474: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0803f00 of size 256
126 2020-07-01 16:06:19.245491: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804000 of size 256
127 2020-07-01 16:06:19.245508: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804100 of size 1536
128 2020-07-01 16:06:19.245525: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804700 of size 512
129 2020-07-01 16:06:19.245542: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804900 of size 512
130 2020-07-01 16:06:19.245559: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804b00 of size 256
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131 2020-07-01 16:06:19.245576: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804c00 of size 256
132 2020-07-01 16:06:19.245593: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804d00 of size 256
133 2020-07-01 16:06:19.245616: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804e00 of size 256
134 2020-07-01 16:06:19.245634: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0804f00 of size 512
135 2020-07-01 16:06:19.245650: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805100 of size 256
136 2020-07-01 16:06:19.245667: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805200 of size 256
137 2020-07-01 16:06:19.245683: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805300 of size 256
138 2020-07-01 16:06:19.245700: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805400 of size 256
139 2020-07-01 16:06:19.245717: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805500 of size 512
140 2020-07-01 16:06:19.245734: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805700 of size 512
141 2020-07-01 16:06:19.245750: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805900 of size 512
142 2020-07-01 16:06:19.245767: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805b00 of size 256
143 2020-07-01 16:06:19.245784: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805c00 of size 256
144 2020-07-01 16:06:19.245801: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805d00 of size 256
145 2020-07-01 16:06:19.245818: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805e00 of size 256
146 2020-07-01 16:06:19.245835: I tensorflow/core/
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146 common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0805f00 of size 1024
147 2020-07-01 16:06:19.245851: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806300 of size 256
148 2020-07-01 16:06:19.245868: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806400 of size 768
149 2020-07-01 16:06:19.245885: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806700 of size 512
150 2020-07-01 16:06:19.245902: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806900 of size 256
151 2020-07-01 16:06:19.245918: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806a00 of size 256
152 2020-07-01 16:06:19.245935: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806b00 of size 512
153 2020-07-01 16:06:19.245952: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806d00 of size 512
154 2020-07-01 16:06:19.245969: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0806f00 of size 1024
155 2020-07-01 16:06:19.245985: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0807300 of size 256
156 2020-07-01 16:06:19.246003: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0807400 of size 256
157 2020-07-01 16:06:19.246020: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0807500 of size 768
158 2020-07-01 16:06:19.246037: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0807800 of size 512
159 2020-07-01 16:06:19.246054: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0807a00 of size 1536
160 2020-07-01 16:06:19.246072: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0808000 of size 2048
161 2020-07-01 16:06:19.246089: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
```

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161 0x7efbf0808800 of size 256
162 2020-07-01 16:06:19.246106: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0808900 of size 256
163 2020-07-01 16:06:19.246122: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0808a00 of size 256
164 2020-07-01 16:06:19.246139: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0808b00 of size 256
165 2020-07-01 16:06:19.246156: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0808c00 of size 512
166 2020-07-01 16:06:19.246173: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0808e00 of size 3840
167 2020-07-01 16:06:19.246191: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0809d00 of size 2048
168 2020-07-01 16:06:19.246207: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080a500 of size 2048
169 2020-07-01 16:06:19.246224: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080ad00 of size 512
170 2020-07-01 16:06:19.246241: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080af00 of size 256
171 2020-07-01 16:06:19.246258: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080b000 of size 256
172 2020-07-01 16:06:19.246276: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080b100 of size 512
173 2020-07-01 16:06:19.246293: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080b300 of size 1024
174 2020-07-01 16:06:19.246310: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080b700 of size 2048
175 2020-07-01 16:06:19.246327: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080bf00 of size 1024
176 2020-07-01 16:06:19.246344: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf080c300 of size 884736
```

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177 2020-07-01 16:06:19.246361: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf08e4300 of size 256
178 2020-07-01 16:06:19.246379: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf08e4400 of size 442368
179 2020-07-01 16:06:19.246396: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0950400 of size 442368
180 2020-07-01 16:06:19.246413: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bc400 of size 256
181 2020-07-01 16:06:19.246430: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bc500 of size 256
182 2020-07-01 16:06:19.246447: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bc600 of size 512
183 2020-07-01 16:06:19.246463: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bc800 of size 512
184 2020-07-01 16:06:19.246480: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bca00 of size 256
185 2020-07-01 16:06:19.246497: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bcb00 of size 256
186 2020-07-01 16:06:19.246514: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bcc00 of size 256
187 2020-07-01 16:06:19.246531: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bcd00 of size 256
188 2020-07-01 16:06:19.246547: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bce00 of size 256
189 2020-07-01 16:06:19.246564: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bcf00 of size 256
190 2020-07-01 16:06:19.246581: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bd000 of size 256
191 2020-07-01 16:06:19.246598: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bd100 of size 256
192 2020-07-01 16:06:19.246614: I tensorflow/core/
```

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192 common_runtime/bfc_allocator.cc:632] Chunk at
 0x7efbf09bd200 of size 256
193 2020-07-01 16:06:19.246631: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bd300 of size 256
194 2020-07-01 16:06:19.246648: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bd400 of size 256
195 2020-07-01 16:06:19.246665: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bd500 of size 256
196 2020-07-01 16:06:19.246681: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bd600 of size 1024
197 2020-07-01 16:06:19.246698: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bda00 of size 256
198 2020-07-01 16:06:19.246715: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bdb00 of size 256
199 2020-07-01 16:06:19.246732: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bdc00 of size 256
200 2020-07-01 16:06:19.246749: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bdd00 of size 256
201 2020-07-01 16:06:19.246765: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bde00 of size 1024
202 2020-07-01 16:06:19.246783: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09be200 of size 1024
203 2020-07-01 16:06:19.246799: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09be600 of size 512
204 2020-07-01 16:06:19.246816: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09be800 of size 512
205 2020-07-01 16:06:19.246833: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bea00 of size 512
206 2020-07-01 16:06:19.246850: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
  0x7efbf09bec00 of size 1024
207 2020-07-01 16:06:19.246867: I tensorflow/core/
  common_runtime/bfc_allocator.cc:632] Chunk at
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207 0x7efbf09bf000 of size 1024
208 2020-07-01 16:06:19.246883: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bf400 of size 1024
209 2020-07-01 16:06:19.246901: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bf800 of size 1024
210 2020-07-01 16:06:19.246917: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09bfc00 of size 1024
211 2020-07-01 16:06:19.246934: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0000 of size 256
212 2020-07-01 16:06:19.246951: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0100 of size 256
213 2020-07-01 16:06:19.246968: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0200 of size 256
214 2020-07-01 16:06:19.246985: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0300 of size 256
215 2020-07-01 16:06:19.247001: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0400 of size 256
216 2020-07-01 16:06:19.247018: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0500 of size 256
217 2020-07-01 16:06:19.247035: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0600 of size 256
218 2020-07-01 16:06:19.247052: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0700 of size 256
219 2020-07-01 16:06:19.247069: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0800 of size 256
220 2020-07-01 16:06:19.247086: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0900 of size 256
221 2020-07-01 16:06:19.247102: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0a00 of size 256
222 2020-07-01 16:06:19.247119: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0b00 of size 256
```

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223 2020-07-01 16:06:19.247137: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0c00 of size 256
224 2020-07-01 16:06:19.247154: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0d00 of size 256
225 2020-07-01 16:06:19.247170: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c0e00 of size 256
226 2020-07-01 16:06:19.247187: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf09c0f00 of size 256
227 2020-07-01 16:06:19.247204: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf09c1000 of size 256
228 2020-07-01 16:06:19.247222: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf09c1100 of size 433408
229 2020-07-01 16:06:19.247239: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0a2ae00 of size 2048
230 2020-07-01 16:06:19.247256: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0a2b600 of size 1024
231 2020-07-01 16:06:19.247273: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0a2ba00 of size 1024
232 2020-07-01 16:06:19.247290: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0a2be00 of size 1024
233 2020-07-01 16:06:19.247307: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0a2c200 of size 2048
234 2020-07-01 16:06:19.247325: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0a2ca00 of size 2193920
235 2020-07-01 16:06:19.247343: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0c44400 of size 1024
236 2020-07-01 16:06:19.247361: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf0c44800 of size 884736
237 2020-07-01 16:06:19.247378: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d1c800 of size 443904
238 2020-07-01 16:06:19.247395: I tensorflow/core/
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238 common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d88e00 of size 256
239 2020-07-01 16:06:19.247412: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d88f00 of size 256
240 2020-07-01 16:06:19.247429: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89000 of size 256
241 2020-07-01 16:06:19.247446: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89100 of size 256
242 2020-07-01 16:06:19.247463: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89200 of size 512
243 2020-07-01 16:06:19.247479: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89400 of size 256
244 2020-07-01 16:06:19.247496: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89500 of size 768
245 2020-07-01 16:06:19.247513: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89800 of size 256
246 2020-07-01 16:06:19.247530: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89900 of size 256
247 2020-07-01 16:06:19.247547: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89a00 of size 256
248 2020-07-01 16:06:19.247564: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89b00 of size 256
249 2020-07-01 16:06:19.247580: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d89c00 of size 2048
250 2020-07-01 16:06:19.247598: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8a400 of size 256
251 2020-07-01 16:06:19.247614: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8a500 of size 256
252 2020-07-01 16:06:19.247631: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8a600 of size 256
253 2020-07-01 16:06:19.247648: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
```

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253 0x7efbf0d8a700 of size 256
254 2020-07-01 16:06:19.247665: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8a800 of size 512
255 2020-07-01 16:06:19.247681: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8aa00 of size 256
256 2020-07-01 16:06:19.247698: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8ab00 of size 256
257 2020-07-01 16:06:19.247715: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8ac00 of size 1024
258 2020-07-01 16:06:19.247732: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b000 of size 256
259 2020-07-01 16:06:19.247749: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b100 of size 256
260 2020-07-01 16:06:19.247765: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b200 of size 256
261 2020-07-01 16:06:19.247782: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b300 of size 256
262 2020-07-01 16:06:19.247799: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b400 of size 256
263 2020-07-01 16:06:19.247816: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b500 of size 256
264 2020-07-01 16:06:19.247833: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b600 of size 256
265 2020-07-01 16:06:19.247849: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b700 of size 512
266 2020-07-01 16:06:19.247866: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8b900 of size 256
267 2020-07-01 16:06:19.247883: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8ba00 of size 3584
268 2020-07-01 16:06:19.247927: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8c800 of size 512
```

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269 2020-07-01 16:06:19.247944: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8ca00 of size 512
270 2020-07-01 16:06:19.247961: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8cc00 of size 3584
271 2020-07-01 16:06:19.247978: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8da00 of size 1024
272 2020-07-01 16:06:19.247994: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8de00 of size 256
273 2020-07-01 16:06:19.248011: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8df00 of size 256
274 2020-07-01 16:06:19.248028: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e000 of size 256
275 2020-07-01 16:06:19.248045: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e100 of size 256
276 2020-07-01 16:06:19.248061: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e200 of size 256
277 2020-07-01 16:06:19.248078: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e300 of size 256
278 2020-07-01 16:06:19.248095: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e400 of size 256
279 2020-07-01 16:06:19.248112: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e500 of size 256
280 2020-07-01 16:06:19.248129: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e600 of size 256
281 2020-07-01 16:06:19.248145: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e700 of size 256
282 2020-07-01 16:06:19.248162: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e800 of size 256
283 2020-07-01 16:06:19.248179: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf0d8e900 of size 512
284 2020-07-01 16:06:19.248196: I tensorflow/core/
```

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284 common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8eb00 of size 256
285 2020-07-01 16:06:19.248213: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8ec00 of size 256
286 2020-07-01 16:06:19.248230: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8ed00 of size 1536
287 2020-07-01 16:06:19.248247: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8f300 of size 256
288 2020-07-01 16:06:19.248263: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8f400 of size 768
289 2020-07-01 16:06:19.248281: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8f700 of size 256
290 2020-07-01 16:06:19.248298: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8f800 of size 256
291 2020-07-01 16:06:19.248315: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8f900 of size 256
292 2020-07-01 16:06:19.248332: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8fa00 of size 256
293 2020-07-01 16:06:19.248348: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8fb00 of size 1024
294 2020-07-01 16:06:19.248366: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0d8ff00 of size 411904
295 2020-07-01 16:06:19.248383: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0df4800 of size 884736
296 2020-07-01 16:06:19.248401: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf0ecc800 of size 5308416
297 2020-07-01 16:06:19.248420: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Free at
0x7efbf13dc800 of size 1769472
298 2020-07-01 16:06:19.248437: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
0x7efbf158c800 of size 884736
299 2020-07-01 16:06:19.248456: I tensorflow/core/
common_runtime/bfc_allocator.cc:632] Chunk at
```

```
299 0x7efbf1664800 of size 2097152
300 2020-07-01 16:06:19.248474: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf1864800 of size 2326528
301 2020-07-01 16:06:19.248491: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf1a9c800 of size 1769472
302 2020-07-01 16:06:19.248508: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf1c4c800 of size 442368
303 2020-07-01 16:06:19.248526: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf1cb8800 of size 221184
304 2020-07-01 16:06:19.248543: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf1cee800 of size 221184
305 2020-07-01 16:06:19.248560: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf1d24800 of size 442368
306 2020-07-01 16:06:19.248578: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf1d90800 of size 524288
307 2020-07-01 16:06:19.248596: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf1e10800 of size 802816
308 2020-07-01 16:06:19.248613: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf1ed4800 of size 2654208
309 2020-07-01 16:06:19.248630: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf215c800 of size 7077888
310 2020-07-01 16:06:19.248648: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf281c800 of size 7077888
311 2020-07-01 16:06:19.248665: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf2edc800 of size 1769472
312 2020-07-01 16:06:19.248683: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf308c800 of size 14155776
313 2020-07-01 16:06:19.248700: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf3e0c800 of size 14155776
314 2020-07-01 16:06:19.248718: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf4b8c800 of size 14155776
```

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315 2020-07-01 16:06:19.248735: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf590c800 of size 3538944
316 2020-07-01 16:06:19.248753: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf5c6c800 of size 8388608
317 2020-07-01 16:06:19.248770: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf646c800 of size 7077888
318 2020-07-01 16:06:19.248787: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf6b2c800 of size 7077888
319 2020-07-01 16:06:19.248803: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf71ec800 of size 7077888
320 2020-07-01 16:06:19.248820: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf78ac800 of size 1769472
321 2020-07-01 16:06:19.248837: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf7a5c800 of size 5308416
322 2020-07-01 16:06:19.248854: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf7f6c800 of size 5308416
323 2020-07-01 16:06:19.248871: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf847c800 of size 1769472
324 2020-07-01 16:06:19.248888: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf862c800 of size 1769472
325 2020-07-01 16:06:19.248905: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf87dc800 of size 1769472
326 2020-07-01 16:06:19.248922: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbf898c800 of size 5308416
327 2020-07-01 16:06:19.248939: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf8e9c800 of size 7077888
328 2020-07-01 16:06:19.248956: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbf955c800 of size 14155776
329 2020-07-01 16:06:19.248973: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbfa2dc800 of size 42467328
330 2020-07-01 16:06:19.248990: I tensorflow/core/
```

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330 common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfcb5c800 of size 524288
331 2020-07-01 16:06:19.249007: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfcbdc800 of size 524288
332 2020-07-01 16:06:19.249024: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbfcc5c800 of size 524288
333 2020-07-01 16:06:19.249041: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfccdc800 of size 2097152
334 2020-07-01 16:06:19.249058: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfcedc800 of size 2097152
335 2020-07-01 16:06:19.249075: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efbfd0dc800 of size 10485760
336 2020-07-01 16:06:19.249092: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfdadc800 of size 1024
337 2020-07-01 16:06:19.249109: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfdadcc00 of size 1024
338 2020-07-01 16:06:19.249126: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfdadd000 of size 2048
339 2020-07-01 16:06:19.249143: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfdadd800 of size 1024
340 2020-07-01 16:06:19.249161: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfdaddc00 of size 8388608
341 2020-07-01 16:06:19.249179: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfe2ddc00 of size 442368
342 2020-07-01 16:06:19.249196: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfe349c00 of size 7077888
343 2020-07-01 16:06:19.249213: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbfea09c00 of size 21233664
344 2020-07-01 16:06:19.249231: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efbffe49c00 of size 21233664
345 2020-07-01 16:06:19.249248: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
```

```
345 0x7efc01289c00 of size 21233664
346 2020-07-01 16:06:19.249265: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc026c9c00 of size 5308416
347 2020-07-01 16:06:19.249282: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc02bd9c00 of size 8388608
348 2020-07-01 16:06:19.249299: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc033d9c00 of size 5308416
349 2020-07-01 16:06:19.249317: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc038e9c00 of size 134217728
350 2020-07-01 16:06:19.249336: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc0b8e9c00 of size 67108864
351 2020-07-01 16:06:19.249353: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efc0f8e9c00 of size 201326592
352 2020-07-01 16:06:19.249371: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc1b8e9c00 of size 2147483648
353 2020-07-01 16:06:19.249388: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc9b8e9c00 of size 67108864
354 2020-07-01 16:06:19.249406: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efc9f8e9c00 of size 2147483648
355 2020-07-01 16:06:19.249423: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efd1f8e9c00 of size 2147483648
356 2020-07-01 16:06:19.249440: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Chunk at
    0x7efd9f8e9c00 of size 2147483648
357 2020-07-01 16:06:19.249457: I tensorflow/core/
    common_runtime/bfc_allocator.cc:632] Free at
    0x7efe1f8e9c00 of size 1311371264
358 2020-07-01 16:06:19.249474: I tensorflow/core/
    common_runtime/bfc_allocator.cc:638] Summary of
    in-use Chunks by size:
359 2020-07-01 16:06:19.249496: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 116 Chunks of
    size 256 totalling 29.0KiB
360 2020-07-01 16:06:19.249516: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 30 Chunks of
    size 512 totalling 15.0KiB
```

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361 2020-07-01 16:06:19.249535: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 5 Chunks of
    size 768 totalling 3.8KiB
362 2020-07-01 16:06:19.249555: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 29 Chunks of
    size 1024 totalling 29.0KiB
363 2020-07-01 16:06:19.249574: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 1280 totalling 1.2KiB
364 2020-07-01 16:06:19.249592: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 3 Chunks of
    size 1536 totalling 4.5KiB
365 2020-07-01 16:06:19.249611: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 8 Chunks of
    size 2048 totalling 16.0KiB
366 2020-07-01 16:06:19.249630: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 2 Chunks of
    size 3584 totalling 7.0KiB
367 2020-07-01 16:06:19.249649: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 3840 totalling 3.8KiB
368 2020-07-01 16:06:19.249668: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 2 Chunks of
    size 221184 totalling 432.0KiB
369 2020-07-01 16:06:19.249688: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 411904 totalling 402.2KiB
370 2020-07-01 16:06:19.249708: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 4 Chunks of
    size 442368 totalling 1.69MiB
371 2020-07-01 16:06:19.249727: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 443904 totalling 433.5KiB
372 2020-07-01 16:06:19.249746: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 3 Chunks of
    size 524288 totalling 1.50MiB
373 2020-07-01 16:06:19.249766: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 802816 totalling 784.0KiB
374 2020-07-01 16:06:19.249785: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 3 Chunks of
    size 884736 totalling 2.53MiB
375 2020-07-01 16:06:19.249804: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 7 Chunks of
    size 1769472 totalling 11.81MiB
376 2020-07-01 16:06:19.249823: I tensorflow/core/
```

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376 common_runtime/bfc_allocator.cc:641] 3 Chunks of
    size 2097152 totalling 6.00MiB
377 2020-07-01 16:06:19.249842: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 2193920 totalling 2.09MiB
378 2020-07-01 16:06:19.249861: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 2326528 totalling 2.22MiB
379 2020-07-01 16:06:19.249891: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 3538944 totalling 3.38MiB
380 2020-07-01 16:06:19.249910: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 4849664 totalling 4.62MiB
381 2020-07-01 16:06:19.249930: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 4 Chunks of
    size 5308416 totalling 20.25MiB
382 2020-07-01 16:06:19.249949: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 6 Chunks of
    size 7077888 totalling 40.50MiB
383 2020-07-01 16:06:19.249969: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 2 Chunks of
    size 8388608 totalling 16.00MiB
384 2020-07-01 16:06:19.249988: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 4 Chunks of
    size 14155776 totalling 54.00MiB
385 2020-07-01 16:06:19.250008: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 3 Chunks of
    size 21233664 totalling 60.75MiB
386 2020-07-01 16:06:19.250028: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 2 Chunks of
    size 67108864 totalling 128.00MiB
387 2020-07-01 16:06:19.250048: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 1 Chunks of
    size 134217728 totalling 128.00MiB
388 2020-07-01 16:06:19.250067: I tensorflow/core/
    common_runtime/bfc_allocator.cc:641] 4 Chunks of
    size 2147483648 totalling 8.00GiB
389 2020-07-01 16:06:19.250087: I tensorflow/core/
    common_runtime/bfc_allocator.cc:645] Sum Total of in
    -use chunks: 8.47GiB
390 2020-07-01 16:06:19.250110: I tensorflow/core/
    common_runtime/bfc_allocator.cc:647] Stats:
391 Limit:                      10699181261
392 InUse:                      9098968576
393 MaxInUse:                   9098968832
```

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394 NumAllocs: 448
395 MaxAllocSize: 2147483648
396
397 2020-07-01 16:06:19.250178: W tensorflow/core/
    common_runtime/bfc_allocator.cc:271] ****_
    ****_*****
    ****_*****
398 2020-07-01 16:06:19.250254: W tensorflow/core/
    framework/op_kernel.cc:1273] OP_REQUIRES failed at
    conv_ops_3d.cc:161 : Resource exhausted: OOM when
    allocating tensor with shape[2,32,512,512,64] and
    type float on /job:localhost/replica:0/task:0/device
    :GPU:0 by allocator GPU_0_bfc
399 Traceback (most recent call last):
400     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/client/
        session.py", line 1334, in _do_call
401         return fn(*args)
402     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/client/
        session.py", line 1319, in _run_fn
403         options, feed_dict, fetch_list, target_list,
        run_metadata)
404     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/client/
        session.py", line 1407, in _call_tf_sessionrun
405         run_metadata)
406 tensorflow.python.framework.errors_impl.
    ResourceExhaustedError: OOM when allocating tensor
    with shape[2,32,512,512,64] and type float on /job:
    localhost/replica:0/task:0/device:GPU:0 by allocator
    GPU_0_bfc
407     [[[{{node analysis_conv3d_64_10/Conv3D}} =
    Conv3D[T=DT_FLOAT, data_format="NDHWC", dilations=[1
        , 1, 1, 1, 1], padding="SAME", strides=[1, 1, 1, 1,
        1], _device="/job:localhost/replica:0/task:0/device:
    GPU:0"]](analysis_relu_32_10, analysis_conv3d_64_10/
    kernel/read)]]
408 Hint: If you want to see a list of allocated tensors
    when OOM happens, add
    report_tensor_allocations_upon_oom to RunOptions for
    current allocation info.
409
410     [[[{{node softmax_cross_entropy_loss/num_present
        /broadcast_weights/assert_broadcastable/AssertGuard/
        Assert/Switch_3/_1627}} = _Recv[client_terminated=

```

```
410    false, recv_device="/job:localhost/replica:0/task:0/device:CPU:0", send_device="/job:localhost/replica:0/task:0/device:GPU:0", send_device_incarnation=1, tensor_name="edge_5104...t/Switch_3", tensor_type=DT_BOOL, _device="/job:localhost/replica:0/task:0/device:CPU:0"]()]]  
411 Hint: If you want to see a list of allocated tensors  
      when OOM happens, add  
      report_tensor_allocations_upon_oom to RunOptions for  
      current allocation info.  
412  
413  
414 During handling of the above exception, another  
      exception occurred:  
415  
416 Traceback (most recent call last):  
417   File "/home/zhangke/projects/3D_UNet-master/src/main.py", line 142, in <module>  
418     main(sys.argv[1:])  
419   File "/home/zhangke/projects/3D_UNet-master/src/main.py", line 111, in main  
420     max_steps=params['max_train_steps']  
421   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/estimator/estimator.py", line 354, in train  
422     loss = self._train_model(input_fn, hooks,  
        saving_listeners)  
423   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/estimator/estimator.py", line 1207, in _train_model  
424     return self._train_model_default(input_fn, hooks,  
        , saving_listeners)  
425   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/estimator/estimator.py", line 1241, in _train_model_default  
426     saving_listeners)  
427   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/estimator/estimator.py", line 1471, in  
      _train_with_estimator_spec  
428     _, loss = mon_sess.run([estimator_spec.train_op  
      , estimator_spec.loss])  
429   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/training/monitored_session.py", line 671, in run  
430     run_metadata=run_metadata)
```

```
431     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/training/
        monitored_session.py", line 1156, in run
432         run_metadata=run_metadata)
433     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/training/
        monitored_session.py", line 1255, in run
434         raise six.reraise(*original_exc_info)
435     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/six.py", line 703, in
        reraise
436         raise value
437     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/training/
        monitored_session.py", line 1240, in run
438         return self._sess.run(*args, **kwargs)
439     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/training/
        monitored_session.py", line 1312, in run
440         run_metadata=run_metadata)
441     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/training/
        monitored_session.py", line 1076, in run
442         return self._sess.run(*args, **kwargs)
443     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/client/
        session.py", line 929, in run
444         run_metadata_ptr)
445     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/client/
        session.py", line 1152, in _run
446         feed_dict_tensor, options, run_metadata)
447     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/client/
        session.py", line 1328, in _do_run
448         run_metadata)
449     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/client/
        session.py", line 1348, in _do_call
450         raise type(e)(node_def, op, message)
451 tensorflow.python.framework.errors_impl.
ResourceExhaustedError: OOM when allocating tensor
with shape[2,32,512,512,64] and type float on /job:
localhost/replica:0/task:0/device:GPU:0 by allocator
GPU_0_bfc
452     [[node analysis_conv3d_64_10/Conv3D (defined at
```

```
452 /home/zhangke/projects/3D_UNet-master/src/network.py:207) = Conv3D[T=DT_FLOAT, data_format="NDHWC", dilations=[1, 1, 1, 1, 1], padding="SAME", strides=[1, 1, 1, 1, 1], _device="/job:localhost/replica:0/task:0/device:GPU:0"](analysis_relu_32_10, analysis_conv3d_64_10/kernel/read)])
453 Hint: If you want to see a list of allocated tensors when OOM happens, add report_tensor_allocations_upon_oom to RunOptions for current allocation info.
454
455     [[{{node softmax_cross_entropy_loss/num_present/broadcast_weights/assert_broadcastable/AssertGuard/Assert/Switch_3/_1627}} = _Recv[client_terminated=false, recv_device="/job:localhost/replica:0/task:0/device:CPU:0", send_device="/job:localhost/replica:0/task:0/device:GPU:0", send_device_incarnation=1, tensor_name="edge_5104_...t/Switch_3", tensor_type=DT_BOOL, _device="/job:localhost/replica:0/task:0/device:CPU:0"]()]]
456 Hint: If you want to see a list of allocated tensors when OOM happens, add report_tensor_allocations_upon_oom to RunOptions for current allocation info.
457
458
459 Caused by op 'analysis_conv3d_64_10/Conv3D', defined at:
460   File "/home/zhangke/projects/3D_UNet-master/src/main.py", line 142, in <module>
461     main(sys.argv[1:])
462   File "/home/zhangke/projects/3D_UNet-master/src/main.py", line 111, in main
463     max_steps=params['max_train_steps']
464   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/estimator/estimator.py", line 354, in train
465     loss = self._train_model(input_fn, hooks, saving_listeners)
466   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/estimator/estimator.py", line 1207, in _train_model
467     return self._train_model_default(input_fn, hooks, saving_listeners)
468   File "/home/zhangke/anaconda3/envs/3dunet/lib/python3.6/site-packages/tensorflow/python/estimator/
```

```
468 estimator.py", line 1237, in _train_model_default
469     features, labels, model_fn_lib.ModeKeys.TRAIN,
    self.config)
470     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/estimator/
        estimator.py", line 1195, in _call_model_fn
471         model_fn_results = self._model_fn(features=
            features, **kwargs)
472     File "/home/zhangke/projects/3D_UNet-master/src/
        model_fn.py", line 43, in model_fn
473         logits = unet_3d_network(inputs=features['x'],
            params=params, training=training)
474     File "/home/zhangke/projects/3D_UNet-master/src/
        network.py", line 92, in unet_3d_network
475         layer_depth=layer_depth,
476     File "/home/zhangke/projects/3D_UNet-master/src/
        network.py", line 207, in conv3d_bn_relu
477         name=create_name(part, 'conv3d_%d' % filters,
            layer_depth)
478     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/layers/
        convolutional.py", line 622, in conv3d
479         return layer.apply(inputs)
480     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/keras/
        engine/base_layer.py", line 817, in apply
481         return self.__call__(inputs, *args, **kwargs)
482     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/layers/
        base.py", line 374, in __call__
483         outputs = super(Layer, self).__call__(inputs, *
            args, **kwargs)
484     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/keras/
        engine/base_layer.py", line 757, in __call__
485         outputs = self.call(inputs, *args, **kwargs)
486     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/keras/
        layers/convolutional.py", line 194, in call
487         outputs = self._convolution_op(inputs, self.
            kernel)
488     File "/home/zhangke/anaconda3/envs/3dunet/lib/
        python3.6/site-packages/tensorflow/python/ops/nn_ops
        .py", line 868, in __call__
489         return self.conv_op(inp, filter)
490     File "/home/zhangke/anaconda3/envs/3dunet/lib/
```

```
490 python3.6/site-packages/tensorflow/python/ops/nn_ops
    .py", line 520, in __call__
491     return self.call(inp, filter)
492 File "/home/zhangke/anaconda3/envs/3dunet/lib/
    python3.6/site-packages/tensorflow/python/ops/nn_ops
    .py", line 204, in __call__
493     name=self.name)
494 File "/home/zhangke/anaconda3/envs/3dunet/lib/
    python3.6/site-packages/tensorflow/python/ops/
    gen_nn_ops.py", line 1362, in conv3d
495     name=name)
496 File "/home/zhangke/anaconda3/envs/3dunet/lib/
    python3.6/site-packages/tensorflow/python/framework/
    op_def_library.py", line 787, in _apply_op_helper
497     op_def=op_def)
498 File "/home/zhangke/anaconda3/envs/3dunet/lib/
    python3.6/site-packages/tensorflow/python/util/
    deprecation.py", line 488, in new_func
499     return func(*args, **kwargs)
500 File "/home/zhangke/anaconda3/envs/3dunet/lib/
    python3.6/site-packages/tensorflow/python/framework/
    ops.py", line 3274, in create_op
501     op_def=op_def)
502 File "/home/zhangke/anaconda3/envs/3dunet/lib/
    python3.6/site-packages/tensorflow/python/framework/
    ops.py", line 1770, in __init__
503     self._traceback = tf_stack.extract_stack()
504
505 ResourceExhaustedError (see above for traceback):
    00M when allocating tensor with shape[2,32,512,512,
    64] and type float on /job:localhost/replica:0/task:
    0/device:GPU:0 by allocator GPU_0_bfc
506     [[node analysis_conv3d_64_10/Conv3D (defined at
        /home/zhangke/projects/3D_UNet-master/src/network.
        py:207) = Conv3D[T=DT_FLOAT, data_format="NDHWC",
        dilations=[1, 1, 1, 1, 1], padding="SAME", strides=[
        1, 1, 1, 1, 1], _device="/job:localhost/replica:0/
        task:0/device:GPU:0"]((analysis_relu_32_10,
        analysis_conv3d_64_10/kernel/read)))]
507 Hint: If you want to see a list of allocated tensors
    when OOM happens, add
    report_tensor_allocations_upon_oom to RunOptions for
    current allocation info.
508
509     [[{{node softmax_cross_entropy_loss/num_present
        /broadcast_weights/assert_broadcastable/AssertGuard/
```

```
509 Assert/Switch_3/_1627}} = _Recv[client_terminated=
  false, recv_device="/job:localhost/replica:0/task:0/
  device:CPU:0", send_device="/job:localhost/replica:0/
  /task:0/device:GPU:0", send_device_incarnation=1,
  tensor_name="edge_5104_...t/Switch_3", tensor_type=
  DT_BOOL, _device="/job:localhost/replica:0/task:0/
  device:CPU:0"]()])
510 Hint: If you want to see a list of allocated tensors
  when OOM happens, add
  report_tensor_allocations_upon_oom to RunOptions for
  current allocation info.
511
512
513
514 Process finished with exit code 1
515
```