docker build

1. build : 필요시 태그 명 수정

    01_build.sh

2. 이미지 로드

    docker load -i nia.tar

docker run

2. run : build 태그명 수정하였을 경우 최하단 태그명 동일하게 수정 필요

호스트 볼륨 경로 사용자 환경에 맞게 수정 필요,

  -v $PWD/data:/ssp/data

  -v $PWD/cfg:/ssp/cfg

  -v /home/user/Desktop/transparency/test_datasets:/ssp/new_dataset

  -v /home/user/Desktop/transparency/experimental_results:/ssp/experimental_results

    02_run.sh <객체 id>

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(python36) user@user-ESC8000-G4:~/Desktop/transparency/docker_image$ source 02_run.sh 010118
docker run --name=NIA-SSP --gpus all --rm -v /home/user/Desktop/transparency/docker_image/data:/ssp/data -v
est_datasets:/ssp/new_dataset -v /home/user/Desktop/transparency/experimental_result:/ssp/experimental_resu
--weightfile data/010118/model/model.weights
layer     filters    size              input                  output
   0 conv     32  3 x 3 / 1   416 x 416 x   3   ->   416 x 416 x  32
   1 max          2 x 2 / 2   416 x 416 x  32   ->   208 x 208 x  32
   2 conv     64  3 x 3 / 1   208 x 208 x  32   ->   208 x 208 x  64
   3 max          2 x 2 / 2   208 x 208 x  64   ->   104 x 104 x  64
   4 conv    128  3 x 3 / 1   104 x 104 x  64   ->   104 x 104 x 128
   5 conv     64  1 x 1 / 1   104 x 104 x 128   ->   104 x 104 x  64
   6 conv    128  3 x 3 / 1   104 x 104 x  64   ->   104 x 104 x 128
   7 max          2 x 2 / 2   104 x 104 x 128   ->    52 x  52 x 128
   8 conv    256  3 x 3 / 1    52 x  52 x 128   ->    52 x  52 x 256
   9 conv    128  1 x 1 / 1    52 x  52 x 256   ->    52 x  52 x 128
  10 conv    256  3 x 3 / 1    52 x  52 x 128   ->    52 x  52 x 256
  11 max          2 x 2 / 2    52 x  52 x 256   ->    26 x  26 x 256
  12 conv    512  3 x 3 / 1    26 x  26 x 256   ->    26 x  26 x 512
  13 conv    256  1 x 1 / 1    26 x  26 x 512   ->    26 x  26 x 256
  14 conv    512  3 x 3 / 1    26 x  26 x 256   ->    26 x  26 x 512
  15 conv    256  1 x 1 / 1    26 x  26 x 512   ->    26 x  26 x 256
  16 conv    512  3 x 3 / 1    26 x  26 x 256   ->    26 x  26 x 512
  17 max          2 x 2 / 2    26 x  26 x 512   ->    13 x  13 x 512
  18 conv   1024  3 x 3 / 1    13 x  13 x 512   ->    13 x  13 x1024
  19 conv    512  1 x 1 / 1    13 x  13 x1024   ->    13 x  13 x 512
  20 conv   1024  3 x 3 / 1    13 x  13 x 512   ->    13 x  13 x1024
  21 conv    512  1 x 1 / 1    13 x  13 x1024   ->    13 x  13 x 512
  22 conv   1024  3 x 3 / 1    13 x  13 x 512   ->    13 x  13 x1024
  23 conv   1024  3 x 3 / 1    13 x  13 x1024   ->    13 x  13 x1024
  24 conv   1024  3 x 3 / 1    13 x  13 x1024   ->    13 x  13 x1024
  25 route  16
  26 conv     64  1 x 1 / 1    26 x  26 x 512   ->    26 x  26 x  64
  27 reorg          / 2        26 x  26 x  64   ->    13 x  13 x 256
  28 route  27 24
  29 conv   1024  3 x 3 / 1    13 x  13 x1280   ->    13 x  13 x1024
  30 conv     20  1 x 1 / 1    13 x  13 x1024   ->    13 x  13 x  20
  31 detection
2022-02-11 07:29:47    Testing glass_bottle18...
2022-02-11 07:29:47    Number of test samples: 84
2022-02-11 07:34:59 Results of glass_bottle18 (2022-02-11 07:34:59.296948)
2022-02-11 07:34:59    Mean 2D Err. (Pixel Dist.) = 6.05 pix.
2022-02-11 07:34:59    Mean 3D Err. (Vertex Dist.) = 10.72 mm
2022-02-11 07:34:59    Acc. using  5 px. 2D Projection = 34.52%
2022-02-11 07:34:59    Acc. using 20 px. 2D Projection = 100.00%
2022-02-11 07:34:59    Acc. using 15 px. 2D Projection = 98.81%
2022-02-11 07:34:59    Acc. using 20 px. 2D Projection = 100.00%
2022-02-11 07:34:59    Acc. using Intersection Of Union (IoU, convex) = 100.00%
2022-02-11 07:34:59    Acc. using Intersection Of Union (IoU > 0.25) = 100.00%
2022-02-11 07:34:59    Acc. using Intersection Of Union (IoU > 0.50) = 100.00%
2022-02-11 07:34:59    Acc. using Intersection Of Union (IoU > 0.75) = 34.52%
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