How to use the example inpainting code in train mode

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Project GitHub Link:

https://github.com/quick2063706271/generative-inpainting-pytorch-gpu

Training dataset link:

https://bbbc.broadinstitute.org/BBBC041

Pre-requisite:

- Python3
- PyTorch 1.0+
- torchvision 0.2.0+
- tensorboardX
- pyyaml (5.4.1) Important, version 5.6+ will result in additional Loader in the field of load() function. To check your pyyaml version in your terimal *pip show pyyaml*

Steps:

⇒ **Step 1:** check if you have a GPU, if you have a GPU (with cuda) skip to Step 2. Else, change the config.yaml file from *generative-inpainting-pytorch/configs/config.yaml* as

```
| # data parameters | dataset.name: imagent | data_with_subfolder: False | train_data_path: //dsrs/mikewang/Library/CloudStorage/OneDrive-JohnsHopkins/Study/Master/Semaster_1/BN.588.697/malaria_sampled/images | val_data_path: //dsrs/malaria_sampled/images | val_
```

This is to make sure that your torch is working in cpu mode.

- ⇒ Step 2: change the config.yaml file from *generative-inpainting-*pytorch/configs/config.yaml/train_data_path as the training malaria dataset directory
- ⇒ Step 3: change the config.yaml file from *generative-inpainting-pytorch/configs/config.yaml/image_shape* as [1200,1600,3]
- ⇒ Step 4: In terminal cd to the *generative-inpainting-pytorch directory* and then run python train.py --config configs/config.yaml