

StyleGAN2 실행

1. train 코드 실행 명령어

```
python run_training.py --num-gpus=8 --data-dir=./dataset --config=config-f \
--dataset=/train --mirror-augment=true
```

2. submit.py 오류

```
def get_user_name():
    """Get the current user name."""
    if _user_name_override is not None:
        return _user_name_override
    elif platform.system() == "Windows":
        return os.getlogin()
    elif platform.system() == "Linux":
        try:
            import pwd
            return pwd.getpwuid(os.geteuid()).pw_name
        except:
            return "unknown"
    else:
        raise RuntimeError("Unknown platform")
```

→ 여기서 오류가 난다.

• 오류내용

```
(stylegan2) ara@aravi-MacBookPro stylegan2-master % python run_training.py --num-gpus=8 --data-dir=./dataset --config=config-f --dataset=/train --mirror-augment=true
Traceback (most recent call last):
  File "run_training.py", line 192, in <module>
    main()
  File "run_training.py", line 187, in main
    run(**vars(args))
  File "run_training.py", line 120, in run
    dnnlib.submit_run(**kwargs)
  File "/Users/ara/PycharmProjects/stylegan2-master/dnnlib/submission/submit.py", line 325, in submit_run
    submit_config.user_name = get_user_name()
  File "/Users/ara/PycharmProjects/stylegan2-master/dnnlib/submission/submit.py", line 170, in get_user_name
    raise RuntimeError("Unknown platform")
RuntimeError: Unknown platform
```

• 해결책

<https://stackoverflow.com/questions/65970469/what-does-platform-system-and-platform-architecture-return-on-apple-m1-silic>

```
>>> import platform
>>> platform.system()
'Darwin'
```

확인해보니 맥북 M1은 Darwin 환경이다. Darwin 코드를 추가해준다.

3. dataset 오류

• 실행한 명령어

```
python run_training.py --num-gpus=8 --data-dir=./datasets --config=config-f \
--dataset=train
```

```
python run_training.py --num-gpus=8 --data-dir=./datasets --config=config-f \
--dataset=train
```

- 오류 내용

```
(stylegan2) ara@aravi-MacBookPro stylegan2-master % python run_training.py --num-gpus=8 --data-dir=./datasets --config=config-f \
--dataset=train
usage: run_training.py [-h] [--result-dir DIR] --data-dir DATA_DIR --dataset
                        DATASET --config CONFIG [--num-gpus N]
                        [--total-kimg KIMG] [--gamma GAMMA]
                        [--mirror-augment BOOL] [--metrics METRICS]
run_training.py: error: the following arguments are required: --dataset
zsh: command not found: --dataset=train
(stylegan2) ara@aravi-MacBookPro stylegan2-master %
```

- 다시시도

```
python run_training.py --num-gpus=8 --data-dir=./dataset/train --config=config-f \
--dataset=cyst
```

- 오류 내용

```
(stylegan2) ara@aravi-MacBookPro stylegan2-master % python run_training.py --num-gpus=8 --data-dir=./dataset/train --config=config-f \
--dataset=cyst
Traceback (most recent call last):
  File "run_training.py", line 192, in <module>
    main()
  File "run_training.py", line 187, in main
    run(**vars(args))
  File "run_training.py", line 120, in run
    dnnlib.submit_run(**kwargs)
  File "/Users/ara/PycharmProjects/stylegan2-master/dnnlib/submit_run/submit.py", line 335, in submit_run
    host_run_dir = _create_run_dir_local(submit_config)
  File "/Users/ara/PycharmProjects/stylegan2-master/dnnlib/submit_run/submit.py", line 196, in _create_run_dir_local
    run_dir_root = get_path_from_template(submit_config.run_dir_root, PathType.AUTO)
  File "/Users/ara/PycharmProjects/stylegan2-master/dnnlib/submit_run/submit.py", line 125, in get_path_from_template
    raise RuntimeError("Unknown platform")
RuntimeError: Unknown platform
```

```
def get_path_from_template(path_template: str, path_type: PathType = PathType.AUTO) -> str:
    """Replace tags in the given path template and return either Windows or Linux formatted path."""
    # automatically select path type depending on running OS
    if path_type == PathType.AUTO:
        if platform.system() == "Windows":
            path_type = PathType.WINDOWS
        elif platform.system() == "Linux":
            path_type = PathType.LINUX
        else:
            raise RuntimeError("Unknown platform")

    path_template = path_template.replace("<USERNAME>", get_user_name())
```

→ 여기에 darwin 코드 추가

그냥 윈도우에서 실행하자