conda create -n rlclass python==3.8

Conda activate rlclass

pip install https://ms-release.obs.cn-north-4.myhuaweicloud.com/1.8.0/MindSpore/cpu/x86\_64/mindspore-1.8.0-cp38-cp38-linux\_x86\_64.whl --trusted-host ms-release.obs.cn-north-4.myhuaweicloud.com -i https://pypi.tuna.tsinghua.edu.cn/simple

git clone <https://gitee.com/mindspore/reinforcement.git>

cd reinforcement/

git checkout r0.5

bash build.sh

pip install output/mindspore\_rl-0.5.0-py3-none-any.whl -i

<https://pypi.tuna.tsinghua.edu.cn/simple>

pip install -r requirements.txt -i <https://pypi.tuna.tsinghua.edu.cn/simple>

pip install numpy==1.19.5 -i <https://pypi.tuna.tsinghua.edu.cn/simple>

Pip install decorator

Pip install mlagents\_envs

Pip install protobuf==3.20.0

Pip install gym\_unity

Pip install opencv-python

环境创建完成。

此时进入reinforcement\example\dqn（作业包里的reinforcement，不是上面安装环境的reinforcement），使用指令python train.py完成在cog环境中的dqn训练。

若提示无法找到环境，请修改reinforcement\example\dqn\mindspore\_rl\Cogenvdecoder\Cogenvdecoder中第十七行的env\_name为reinforcement\example\dqn\mindspore\_rl\Cogenvdecoder\Cogenvdecoder\linux\_v3.1\cog\_sim2real\_env.x86\_64在服务器上的绝对路径，并使用chmod +x命令为上述环境文件赋予权限。