

Docker

Test

SHELL

```
docker run --rm --gpus all nvidia/cuda:11.8.0-devel-ubuntu20.04 nvidia-smi
```

```
hhhhpaa@DESKTOP-S3DU100:~$ docker run --rm --gpus all nvidia/cuda:11.8.0-devel-ubuntu20.04 nvidia-smi

=====
== CUDA ==
=====

CUDA Version 11.8.0

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Sun Feb 18 06:40:43 2024
+-----+
| NVIDIA-SMI 550.40.07                Driver Version: 551.52                CUDA Version: 11.8                |
+-----+-----+-----+-----+-----+-----+
| GPU   Name                               Persistence-M | Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp   Perf          Pwr:Usage/Cap |      Memory-Usage | GPU-Util  Compute M. |
|                               Pwr:Usage/Cap |      Memory-Usage | GPU-Util  Compute M. |
|                               N/A  /  ERR! |    0MiB /  4096MiB |      0%    Default  |
+-----+-----+-----+-----+-----+-----+
| 0  NVIDIA GeForce GTX 1050 Ti         On          | 00000000:01:00:0 Off |             N/A     |
| N/A   0C    P0              N/A  /  ERR! |    0MiB /  4096MiB |      0%    Default  |
|                               N/A  /  ERR! |    0MiB /  4096MiB |      0%    Default  |
+-----+-----+-----+-----+-----+-----+

Processes:
+-----+
| GPU   GI   CI        PID   Type   Process name                      GPU Memory |
| ID   ID   ID           |                 |           Usage |
+-----+-----+-----+-----+-----+-----+
| No running processes found |
+-----+

hhhhpaa@DESKTOP-S3DU100:~$
```

RUN

交互模式

```
docker run --gpus all --volume  
/home/hhhhpaa/Downloads:/whl_work --restart no --runtime  
runc -itd nvidia/cuda:11.8.0-devel-ubuntu20.04
```

进入容器

```
docker exec -it 18d6f37e13c3 bash
```

安装必要包

```
apt update  
apt upgrade  
apt install git python3 nano autoconf automake libtool  
build-essential -y
```

rec [re2c 3.0](#)

```
wget https://down.24kplus.com/linux/re2c-1.1.1.tar.gz  
tar -xvzf re2c-1.1.1.tar.gz  
cd re2c-1.1.1/  
autoreconf -i -W all  
./configure  
make  
make install
```

ninja

SHELL

```
git clone git://github.com/ninja-build/ninja.git && cd  
ninja  
./configure.py --bootstrap  
cp ninja /usr/bin/  
ninja --version
```

Build

SHELL

```
CAUSAL_CONV1D_FORCE_BUILD=TRUE python setup.py install  
MAMBA_FORCE_BUILD=TRUE python setup.py install
```

SHELL

```
python setup.py install  
python setup.py bdist_wheel # 生成 wheel 文件 - 生成的wheel文  
件在py-webtrcvad-master/dist目录下
```