# deepLab训练

## 一 deeplab训练环境搭建

* 1. 数据集

准备[VOCtrainval\_11-May-2012.tar](http://geeekvr.com:18129/edit/work/deeplab/datasets/pascal_voc_seg/VOCtrainval_11-May-2012.tar)

* 1. 下载code

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| --- |
| git clone <https://github.com/sycophant-stone/tf_base.git> |

* 1. 把VOC放到research/deeplab/datasets中
  2. 运行[download\_and\_convert\_voc2012.sh](http://geeekvr.com:18129/edit/work/deeplab/datasets/download_and_convert_voc2012.sh)
  3. 使用slim的env环境设置

首先先解压缩(注意这里-o的用法)

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| --- |
| root@df4112054141:/work/gi/tf\_base/research# **unzip -o protobuf.zip** |

然后运行工具脚本

|  |
| --- |
| #!/bin/bash  echo "export"  export PYTHONPATH=$PYTHONPATH:`pwd`:`pwd`/slim  echo "protoc"  /home/julyedu\_433249/work/tf\_base/research/bin/protoc object\_detection/protos/\*.proto --python\_out=. |

* 1. train用的命令

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| --- |
| python deeplab/train.py --logtostderr --training\_number\_of\_steps=30000 --train\_split="train" --model\_variant="xception\_65" --atrous\_rates=6 --atrous\_rates=12 --atrous\_rates=18 --output\_stride=16 --decoder\_output\_stride=4 --train\_crop\_size=513 --train\_crop\_size=513 --train\_batch\_size=1 --dataset="pascal\_voc\_seg" --tf\_initial\_checkpoint=deeplab/init\_models/deeplabv3\_pascal\_train\_aug/model.ckpt --train\_logdir=deeplab/trainlog --dataset\_dir=deeplab/datasets/pascal\_voc\_seg/tfrecord |