**Synthesis using DV3 and world (eng)**

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| **노트북:** | 일archive | | |
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## How to synthesize using DV3 and world vocoder

1. Run  synthesis.py with following arguments. It generates cmp to 'gen' directory.

```
./190709/checkpoint_step000723825.pth text_list.txt gen --preset=presets/deepvoice3_vctk.json --speaker_id=0
```

2. Move the cmp files from DV3/gen to Merlin test_synthesis directory as follows.

```
cp /home/administrator/projects/deepvoice3_world_converter/gen/0_checkpoint_step000723825.cmp /home/administrator/projects/merlin/egs/build_your_own_voice/
```

3. Modify  test_id_list of Merlin as follows.

```
cd /home/administrator/projects/merlin/egs/build_your_own_voice/s2/experiments/s2/test_synthesis
vim test_id_list.scp

=> Type without extension as in '0_checkpoint_step000723825'
```

4. Configure test_synth_s2.conf

```
# sub-processes


NORMLAB  : False
MAKECMP: False
NORMCMP: False


TRAINDNN: False
DNNGEN   : True


GENWAV   : True
CALMCD: False
```

5. Modifications on run_merlin.py of Merlin

Comment the part where Merlin network generates predictions from 'if cfg.DNNGEN' part of main_function().

This is because we are using prediction cmp created from DV3 instead of Merlin.

```
        # if cfg.switch_to_keras:
        #     keras_instance.test_keras_model()
        # elif cfg.switch_to_tensorflow:
        #     tf_instance.test_tensorflow_model()
        # else:
        #     reshape_io = True if cfg.rnn_batch_training else False
        #     dnn_generation(test_x_file_list, nnets_file_name, lab_dim, cfg.cmp_dim, gen_file_list, reshape_io)
```