

## ERROR Offline Speech Recognition Demo

I'm on ubuntu 18.04, I work with Openvino 2020.1.023, Python\* version 3.6.9 and Cmake\* version 3.10.2. I tried to execute OfflineSpeech Recognition Demo with an other neuronal network than « lspeech\_s5\_ext », here i tried with « wsj\_dnn5b\_smbr ». To do this, I modified the configuration file like this :

```
-dec:wfst:acousticModelFName  
/home/activateur/openvino_models/ir/public/wsj_dnn5b_smbr/FP16/wsj_dnn5b  
  
-dec:wfst:acousticScaleFactor 0.08  
  
-dec:wfst:confidenceAcousticScaleFactor 1.0  
  
-dec:wfst:confidenceLMscaleFactor 1.0  
  
-dec:wfst:beamWidth 13.0  
  
-dec:wfst:outSymsFName  
/home/activateur/openvino_models/models/public/asr/wsj_dnn5b_smbr/labels.bin  
  
-dec:wfst:fsmFName /home/activateur/openvino_models/models/public/asr/wsj_dnn5b_smbr/cl.fst  
  
-dec:wfst:latticeWidth 5  
  
-dec:wfst:maxAvgTokenBufferFill 1.0  
  
-dec:wfst:maxCumulativeTokenSize 0.2  
  
-dec:wfst:maxTokenBufferFill 0.6  
  
-dec:wfst:nbest 1  
  
-dec:wfst:pruningRelaxationDelta 0.5  
  
-dec:wfst:pruningTighteningDelta 1.0  
  
-dec:wfst:tokenBufferMinFill 0.1  
  
-dec:wfst:tokenBufferSize 200000  
  
-dec:wfst:useScoreTrendForEndpointing 1  
  
-dec:wfstotf:cacheLogSize 16  
  
-dec:wfstotf:minStableFrames 45  
  
-dec:wfstotf:traceBackLogSize 19  
  
-fe:rt:cepstralLifter 22.0  
  
-fe:rt:contextLeft 5  
  
-fe:rt:contextRight 5  
  
-fe:rt:hpfbeta 0.0
```

```
-fe:rt:inputDataType INT16_16KHZ
-fe:rt:featureTransform
/home/activateur/opencvino_models/models/public/asr/wsj_dnn5b_smbr/final.feature_transform
-fe:rt:maxChunkSize 16000
-fe:rt:numCeps 13
-fe:rt:noDct 0
-eng:output:format text
-inference:batchSize 8
-inference:contextLeft 0
-inference:contextRight 0
-inference:device CPU
-inference:numThreads 1
-inference:scaleFactor 3000.0
-inference:quantizationBits 16
```

Then, I execute this following command :

```
./offline_speech_recognition_app -wave="$wave" -c="$configuration_file"
```

Finally i got the following error message :

```
[setupvars.sh] OpenVINO environment initialized
using ir
/home/activateur/Documents/package/kaldi-master/src/bin/show-transitions phones.txt final.mdl
cl.fst and labels.bin are already created
Using model configuration file
/home/activateur/opencvino_models/models/public/asr/wsj_dnn5b_smbr/config.cfg
App RUN
[ INFO ] feature_vector_size: 143
[ INFO ] Using feature transformation
/home/activateur/opencvino_models/models/public/asr/wsj_dnn5b_smbr/final.feature_transform
[ ERROR ] Add shift dimension mismatch (440 != 143)
Failed to initialize speech library. Status: -4
END
```