

## Nnet-forward Kaldi doesn't work

I'm on ubuntu 18.04, I work with Openvino 2020.1.023, Kaldi version 5.5, Python\* version 3.6.9 and Cmake\* version 3.10.2. I would like to use the Speech\_Sample function, for this I need an ark file as input. So I tried to execute the following command line:

```
nnet-forward --use-gpu=no final.feature_transform "ark,s,cs:copy-feats scp:wav.scp ark:- |" ark:feat.ark
```

I found this one in the Use of Sample in Kaldi\* Speech Recognition Pipeline section on the following web site :

[https://docs.openvino toolkit.org/2018\\_R5/ samples speech sample README.html](https://docs.openvino toolkit.org/2018_R5/ samples speech sample README.html)

I wanted to try this command with the wav.scp file containing the following line :

```
uttid1 /home/activateur/Documents/openvino/audio_test/how_are_you_doing.wav
```

I modified some parameters in order to use the right files and I executed the command line bellow, however I got the following error message.

Command :

```
/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-forward --use-gpu=no /home/activateur/openvino_models/models/public/asr/wsj_dnn5b_smbr/final.feature_transform "ark,s,cs:/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats scp:/home/activateur/Documents/openvino/audio_test/wav.scp ark:- |" ark:feats.ark
```

In the console :

```
[setupvars.sh] OpenVINO environment initialized
```

```
/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-forward --use-gpu=no /home/activateur/openvino_models/models/public/asr/wsj_dnn5b_smbr/final.feature_transform 'ark,s,cs:/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats scp:/home/activateur/Documents/openvino/audio_test/wav.scp ark:- |' ark:feats.ark
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats scp:/home/activateur/Documents/openvino/audio_test/wav.scp ark:-
```

```
ERROR (copy-feats[5.5]:Read():kaldi-matrix.cc:1617) Failed to read matrix from stream. : Expected "[", got "RIFF"␣
```

```
[ Stack-Trace: ]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats(kaldi::MessageLogger::LogMessage() const+0xb1a) [0x5637835c0100]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats(kaldi::MessageLogger::LogAndThrow::operator=(kaldi::MessageLogger const&)+0x21) [0x5637835331cb]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::Matrix<float>::Read(std::istream&, bool, bool)+0x1ec9) [0x56378358a047]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::KaldiObjectHolder<kaldi::Matrix<float> >::Read(std::istream&)+0x89) [0x56378353fecf]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::SequentialTableReaderScriptImpl<kaldi::KaldiObjectHolder<kaldi::Matrix<float> >  
>::EnsureObjectLoaded()+0x199) [0x5637835406af]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::SequentialTableReaderScriptImpl<kaldi::KaldiObjectHolder<kaldi::Matrix<float> >  
>::Value()+0x24) [0x5637835409c0]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::SequentialTableReader<kaldi::KaldiObjectHolder<kaldi::Matrix<float> > >::Value()+0x12)  
[0x56378353c5b6]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats(main+0x75f)  
[0x563783530589]
```

```
/lib/x86_64-linux-gnu/libc.so.6(__libc_start_main+0xe7) [0x7f5177435b97]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats(_start+0x2a)  
[0x56378352fd4a]
```

```
WARNING (copy-feats[5.5]:Read():util/kaldi-holder-inl.h:84) Exception caught reading Table object.  
kaldi::KaldiFatalError
```

```
WARNING (copy-feats[5.5]:EnsureObjectLoaded():util/kaldi-table-inl.h:317) Failed to load object from  
/home/activateur/Documents/opencvino/audio_test/how_are_you_doing.wav
```

```
ERROR (copy-feats[5.5]:Value():util/kaldi-table-inl.h:164) Failed to load object from  
/home/activateur/Documents/opencvino/audio_test/how_are_you_doing.wav (to suppress this error,  
add the permissive (p, ) option to the rspecifier.
```

```
[ Stack-Trace: ]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::MessageLogger::LogMessage() const+0xb1a) [0x5637835c0100]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::MessageLogger::LogAndThrow::operator=(kaldi::MessageLogger const&)+0x21)  
[0x5637835331cb]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::SequentialTableReaderScriptImpl<kaldi::KaldiObjectHolder<kaldi::Matrix<float> >  
>::Value()+0xfa) [0x563783540a96]
```

```
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-  
feats(kaldi::SequentialTableReader<kaldi::KaldiObjectHolder<kaldi::Matrix<float> > >::Value()+0x12)  
[0x56378353c5b6]
```

/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats(main+0x75f)  
[0x563783530589]

/lib/x86\_64-linux-gnu/libc.so.6(\_\_libc\_start\_main+0xe7) [0x7f5177435b97]

/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats(\_start+0x2a)  
[0x56378352fd4a]

kaldi::KaldiFatalErrorLOG (nnet-forward[5.5]:main():nnet-forward.cc:192) Done 0 files in 1.04904e-06min, (fps 0)

WARNING (nnet-forward[5.5]:Close():kaldi-io.cc:515) Pipe  
/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats  
scp:/home/activateur/Documents/opencvino/audio\_test/wav.scp ark:- | had nonzero return status  
65280

ERROR (nnet-forward[5.5]:~SequentialTableReaderArchiveImpl():util/kaldi-table-inl.h:678)  
TableReader: error detected closing archive '/home/activateur/Documents/package/kaldi-  
master/src/featbin/copy-feats scp:/home/activateur/Documents/opencvino/audio\_test/wav.scp ark:-  
|'

[ Stack-Trace: ]

/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-  
forward(kaldi::MessageLogger::LogMessage() const+0xb1a) [0x561c30c28fde]

/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-  
forward(kaldi::MessageLogger::LogAndThrow::operator=(kaldi::MessageLogger const&)+0x21)  
[0x561c30b54111]

/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-  
forward(kaldi::SequentialTableReaderArchiveImpl<kaldi::KaldiObjectHolder<kaldi::Matrix<float>> >  
>::~~SequentialTableReaderArchiveImpl()+0x118) [0x561c30b57ba0]

/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-  
forward(kaldi::SequentialTableReaderArchiveImpl<kaldi::KaldiObjectHolder<kaldi::Matrix<float>> >  
>::~~SequentialTableReaderArchiveImpl()+0x9) [0x561c30b57ea5]

/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-  
forward(kaldi::SequentialTableReader<kaldi::KaldiObjectHolder<kaldi::Matrix<float>> >  
>::~~SequentialTableReader()+0x12) [0x561c30b58dac]

/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-forward(main+0x1305)  
[0x561c30b531bf]

/lib/x86\_64-linux-gnu/libc.so.6(\_\_libc\_start\_main+0xe7) [0x7fda45760b97]

/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-forward(\_start+0x2a)  
[0x561c30b51dda]

terminate called after throwing an instance of 'kaldi::KaldiFatalError'

```
what(): kaldi::KaldiFatalError
```

```
./4test.sh : ligne 34 : 2345 Abandon (core dumped)  
/home/activateur/Documents/package/kaldi-master/src/nnetbin/nnet-forward --use-gpu=no $ft  
"ark,s,cs:/home/activateur/Documents/package/kaldi-master/src/featbin/copy-feats  
scp:/home/activateur/Documents/opencvino/audio_test/wav.scp ark:- |" ark:feats.ark
```

I think that i put the wrong scp file but i don't know how to create the right scp file from wav file.