

simon

speech model basically consists of two parts:

- Language model: Describes all existing words and what sentences are grammatically correct. It will be created from your active scenario
- Acoustic model: Describes how words sound. It will be either built solely through your voice recordings (training) or with the help of a base model

SPHINX backend“ uses:

- PocketSphinx recognizer
- SphinxTrain model generation backend

models:

- US English HUB4 WSJ SPHINX model. This model is part of pocketsphinx-extra where it is called `\"hub4_wsj_sc_3s_8k.cd_semi_5000\"`.

install

```
sudo apt install simon
```

```
sudo apt install libsphinxbase3 python-sphinxbase sphinxbase-utils  
pocketsphinx sphinxtrain
```

edit

/usr/lib/sphinxtrain/etc/sphinx_train.cfg

```
$CFG_CD_TRAIN = 'no';
```

model

adapting

<http://cmusphinx.sourceforge.net/wiki/tutorialadapt>

```
sudo apt install pocketsphinx-en-us/xenial
```

training

training from <http://cmusphinx.sourceforge.net/wiki/tutorialamdown>

* download http://www.speech.cs.cmu.edu/databases/an4/an4_sphere.tar.gz * enter and sphinxtrain -t an4 setup

old

For small amount of data for training without context-dependent models use continuous model instead of semi-continuous one and this error will be solved.

This warning is caused by the fact you disabled context-dependent training and used semi-continuous model. You can ignore this error until you have more data and use context-dependent training.

training

```
mkdir /tmp/test
cd /tmp/test

sphinxtrain -t test setup
```

now we have

```
.
├── etc
├── feat.params
├── sphinx_train.cfg
├── test.dic
└── test.filler
```

adjust sphinx_train.cfg TODO

From:
<https://wiki.csgalileo.org/> - Galileo Labs

Permanent link:
<https://wiki.csgalileo.org/tips/speech/simon?rev=1488806362>

Last update: **2017/03/06 14:19**

