2025/11/27 22:52 1/2 simon

## 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

## 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

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.

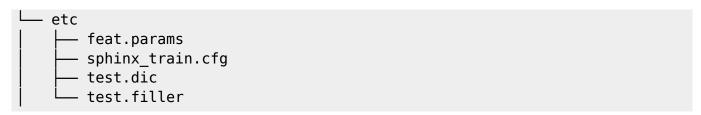
This warning is caused by the fact you disabled context-dependent training and used semi-continuous model. You can ignore this error until you have more data and use context-dependent training.

training

```
mkdir /tmp/test
cd /tmp/test
sphinxtrain -t test setup
```

now we have

```
•
```



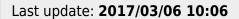
adjust sphinx\_train.cfg TODO

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