**HOW TO CONVERT AUDIO FILES TO KALDI INPUT FORMAT**

1) **install mediainfo and play**

mediainfo : apt-get install mediainfo

or

play: apt-get install play

2) **How to know audio format and data information**:

mediainfo file

play file (give us channel information 16 bit/24 bit)

3) **Install ffmpeg and sox**

yum install ffmpeg

yum install sox

4) **Convert:**

FROM: original audio

TO: **RAW 16 kHz, 16-bit, signed, little-endian (server native), linear PCM**

Sampling rate -> 16 Khz

Format -> linear PCM

Channel -> 1 @ 16 bit

STEPS

A) CONVERT to 16-bit, signed, little-endian (server native), linear PCM

Info: https://trac.ffmpeg.org/wiki/audio%20types

ffmpeg -i leo.wav -acodec pcm\_s16le leo\_new.wav

B) CONVERT sampling rate to 16000

Info: http://www.thegeekstuff.com/2009/05/sound-exchange-sox-15-examples-to-manipulate-audio-files/

sox leo\_new.wav -r 16000 leo2.wav

C) Cleaning and renaming files

mv leo.wav leo.wav\_OLD

mv leo2.wav leo.wav

rm leo\_new.wav