

# Rhasspy 3 (v2)

## ALSA

### Lister les cartes audio:

```
arecord -l
```

```
aplay -l
```

### Mettre par défaut une carte:

```
/etc/asound.conf
```

```
pcm.!default {  
    type plug  
    slave.pcm {  
        type hw  
        card 2  
    }  
}
```

## Config

```
programs:  
mic:  
arecord:  
command: |  
    arecord -q -r 16000 -c 1 -f S16_LE -t raw -  
adapter: |  
    mic_adapter_raw.py --rate 16000 --width 2 --channels 1  
snd:
```

```
mplayer:
  command: |
    mplayer - -cache 1024 -volume 7 -rawaudio channels=1:rate=22050:samplesize=2 -demuxer rawaudio
  adapter: |
    snd_adapter_raw.py --rate 22050 --width 2 --channels 1
wake:
porcupine1:
  command: |
    .venv/bin/python3 bin/porcupine_stream.py --model "${model}" "${sensitivities}" --lang_model
"${lang_model}"
  template_args:
    model: "${data_dir}/framboise_linux.ppn"
    lang_model: "${data_dir}/porcupine_params_fr.pv"
    sensitivities: "0.6"
asr:
  whisper-cpp.client:
    command: |
      client_unix_socket.py var/run/whisper-cpp.socket
  larynx2:
    command: |
      client_unix_socket.py var/run/vosk.socket
handle:
  date_time:
    command: |
      bin/date_time.py
  adapter: |
    handle_adapter_text.py
ratatouille:
  command: |
    bin/converse.py "${url}"
  adapter: |
    handle_adapter_text.py
  template_args:
    url: "http://127.0.0.1:5555"
tts:
  piper.client:
    command: |
      client_unix_socket.py var/run/piper.socket
servers:
  asr:
```

```

whisper-cpp:
  command: |
    script/server "${data_dir}/ggml-small.bin"
vosk:
  command: |
    script/server "${data_dir}/vosk-model-fr-0.22"
tts:
  piper:
    command: |
      script/server "${model}"
  template_args:
    model: "${data_dir}/fr-siwis-low.onnx"

pipelines:
  default:
    mic:
      name: arecord
    wake:
      name: porcupine1
    asr:
      name: vosk.client
    handle:
      name: ratatouille
    tts:
      name: piper.client
    snd:
      name: mplayer

```

## Customisation wake word

config/programs/wake/porcupine1/bin/porcupine\_stream.py

```

if keyword_index >= 0:
    os.system("/usr/bin/mplayer -volume 10 /srv/rhasspy/media/long-oiseau.mp3 &>/dev/null &")
    write_event(
        ...

```

## Tester tts

```
script/run bin/tts_speak.py 'Bonjour'
```

# Tester ratatouille

```
echo "est-ce qu'il va pleuvoir de demain" | config/programs/handle/ratatouille/bin/converse.py  
http://10.10.10.11:5555
```

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Révision #5

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