

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
```

Révision #5

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