

# RTML

Real-Time Machine Listening

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Linux Audio Conference 2015

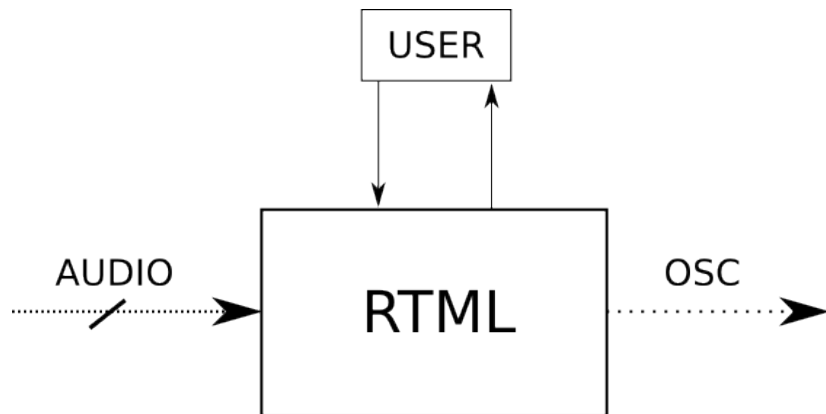
10/4/2015

Graphical Tool for Real-Time MIR

Framework for SuperCollider

GPLv3 licensed

# RTML: Real-Time Machine Listening Framework



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The screenshot displays the RTML software interface. At the top, there are 'SAVE' and 'LOAD' buttons. Below them is a menu bar with the following items: PitchFollower, KeyTracker, PeakTracker, OnsetDetector, SpectralTracker, MFCCTracker, FFTTracker, and ChromaTracker. The main workspace is divided into eight horizontal lanes, labeled 'In 0' through 'In 7'. Lane 0 contains OnsetDetector, PitchFollower, KeyTracker, and ChromaTracker. Lane 1 contains OnsetDetector. Lane 2 is empty. Lane 3 contains MFCCTracker and SpectralTracker. Lanes 4, 5, 6, and 7 are empty. On the right side, a control panel for 'keyTracker0' is visible. It includes fields for 'Instance name' (keyTracker0), 'Channel' (0), 'oscMessageName' (/rtml/keyTracker0), 'oscSend' (on), 'oscSendType' (continuous), 'oscSendMode' (trigger), and 'delta' (1.5). Below these are 'winType' (0), 'fftSize' (512), 'chromaLeak' (0.29), 'replyRate' (17), and 'keyDecay' (0.53). A 'default' button is also present. In the bottom center, a 'localhost: levels (dBFS)' window shows a bar graph with two green bars at level 1. In the bottom right corner, the text 'a#' is displayed.

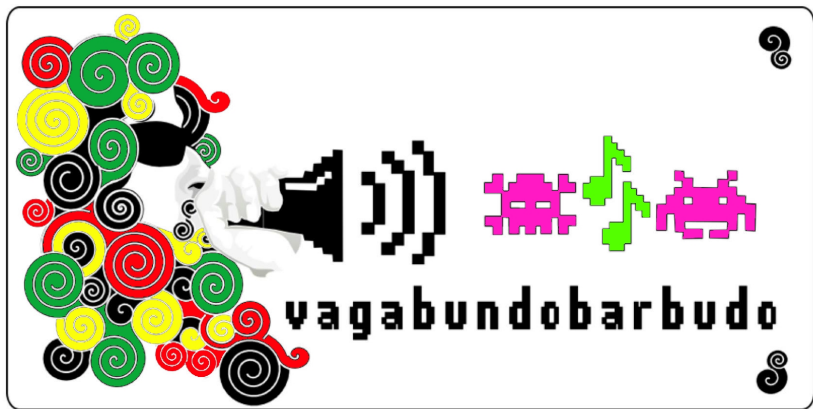
## Upcoming features:

- Tempo Estimation
- MIDI/OSC in automapping
- MIDI out
- Sound Processing Effects
- ...

<http://github.com/andresperezlopez/RTML>

RTML live!

Vagabundo Barbudo meets Listening Lights



Saturday 11th, 22:00  
Linux Sound Night @Baron

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