

Hudební nástroje v Linuxu

InstallFest

Petr Hodač

10. března 2011

TuxGuitar



Audiocity



Lmms



Tabulatura

```
e | -----  
h | -----  
G | -----  
D | -----5-----  
A | -----5-----7-----  
E | --3-----5--5-----
```

Gp Taby

Písně zapsané v tabulaturách

TuxGuitar - ukázka

The screenshot displays the TuxGuitar application window. At the top, there is a menu bar with options: Soubor, Editovat, Pohled, Skladba, Stopa, Takt, Nota, Záložky, Přehrávač, Tools, and Nápvěda. Below the menu is a toolbar with various icons for file operations, editing, and playback. The main area shows a musical score for a guitar piece. The score is written in 4/4 time and consists of 36 measures. The first measure is marked 'refra' and the last measure is marked 'refra'. The score includes standard musical notation (notes, rests, accidentals) and fretboard diagrams. The fretboard diagrams show the fret number and the string number (1-6) for each note. The score is divided into sections: measures 1-10, 11-20, 21-30, and 31-36. The first section is marked 'ref 1' and the second section is marked 'ref 2'. The last measure is marked 'refra'. Below the score is a table with 5 rows and 3 columns. The first column is labeled 'N', the second 'jméno', and the third 'Nástroj'. The table contains the following data:

N	jméno	Nástroj
1	D.S	Distortion Guitar
2	R.B	Distortion Guitar
3	Stopa 3	Fingered Bass
4	Bicí	Paríkuse
5	Stopa 5	Reverse Cymbal

Below the table is a control panel with buttons for navigation and a dropdown menu labeled 'Pravý mód'. At the bottom of the window is a large guitar fretboard diagram with 6 strings and 12 frets. The fretboard is currently empty, with no notes or fret numbers displayed.

Nahrávání zvuků a pazvuků

- Creative Labs Sound Blaster Audigy SE
- Creative Labs Sound Blaster X-Fi Notebook

Audacity

- Nahrávání
- Přehrávání
- Stříhání
- Úprava kazů

Audacity - ukázka - přebuzený zdroj

The screenshot displays the Audacity software interface with the following components:

- Menu Bar:** Soubor, Úpravy, Zobrazit, Transport, Stopy, Generovat, Efekty, Analyzovat, Nápověda
- Toolbar:** Includes play, stop, record, and various editing tools like selection, pan, and zoom.
- Timeline:** A horizontal axis at the top of the tracks showing time from 4.0 to 17.0 seconds.
- Tracks:** Three tracks are visible, each labeled "Zvuková stopa" (Audio track). Each track has a volume control knob and a solo button. The tracks show blue waveforms representing audio data.
- Bottom Panel:** Contains settings for "Vzorkování (Hz)" (48000), "Přilínání" (checkbox), "Začátek výběru" (00 h 00 m 00 s), "Konec" (radio button), "Délka" (radio button), "Pozice" (00 h 00 m 00 s), and "Současné vzorky" (checkbox).

Lmms - ukázka

The screenshot displays the Lmms (Linux MultiMedia Studio) interface. At the top, the menu bar includes 'Projekt', 'Úpravy', 'Nástroje', and 'Help'. The main workspace is divided into several panels:

- My samples:** A library of audio files, including 'break01.ogg' through 'break03.ogg', 'electro_beat02.ogg', 'house_loop01.ogg', 'jungle01.ogg', 'rave_hihat01.ogg', 'rave_hihat02.ogg', 'rave_kid01.ogg', 'rave_kid02.ogg', 'rave_snare01.ogg', 'drums', 'drumsynth', 'effects', and 'instruments'.
- Editor skladby:** A piano roll editor showing tracks for 'Výchozí nastavení', 'Stopa smpů', 'Beat/Bassline 0', and 'Automation track'. The interface includes playback controls and a CPU usage indicator.
- Beat+Baseline Editor:** A panel for editing the 'Beat/Bassline 0' track, featuring playback controls and volume/pan sliders.
- FX-Mixer:** A mixer with 16 channels (FX 1 to FX 16) and a 'RETÉZ EFEKTŮ' (FX Chain) section. The channels are organized into groups A, B, C, and D.

Instalace v Debianu

```
aptitude install tuxguitar lmms audacity
```