

# NEDEN BÖYLE BİR ÖNERİ?

Server ACİM

**PAPDUS**, diğer dağıtımlarla karşılaştırıldığında, Linux dağıtımları arasında teknik açıdan (yazılımların bağımlı olduğu kütüphanelerin ve yoğun olarak gereksinim duyduğu eklentilerinin eksiksiz yerli yerinde bulunması gibi temel özellikler açısından) en “kararlı-stable” sürüm olma özelliği taşımaktadır. Ayrıca, yazılımlarda Türkçe dil desteğine verilen büyük önem, çeviri çalışmalarındaki Türkçe dil'ine gösterilen özenli, titiz davranışların sürekliliği **PAPDUS**'u “ayrıcalıklı” kılan bir diğer unsurdur.

**PAPDUS**'un geniş çevreler tarafından kullanılan bir işletim sistemi haline gelmesi, arzu edilen bir durumdur. Bu çevrelerden biri de “Müzik Çevresi – Müzik Dünyası”dır. “Müzik Dünyası” büyük başlığı altındaki alt kategorilere göre **PAPDUS**'un olası kullanım alanlarını şöyle sıralayabiliriz:

- Müzik Eğitimi kurumlarının bilgisayar laboratuvarlarında kullanılam bir sistem olarak,
- Müzik öğretimi sırasında bir “eğitim” aygıtı olarak,
- Müzik üretiminin gerçekleştirildiği ses kayıt stüdyolarında kullanılan sistem olarak,
- Müzik eseri üreten öğrencilerin kullandığı bir sistem olarak,
- “Ses”in parametrik yapısının incelendiği bir laboratuvar sistemi olarak.

**PAPDUS**'un müzik çevresi tarafından yukarıda sıralanan amaçlara uygun olarak kullanılabilmesi için aşağıda listesini sunmuş olduğumuz paketlerin **PAPDUS** depolarında yerini alabilmeleri için yapılacak olan projelendirme çalışması, böylesi bir proje çalışmasının ancak birinci aşamasını oluşturabilecektir.

İkinci aşamada, bu paketleri paketleyecek olan bir ekibin görevlendirilmesi gerekecektir.

Paketleme işlemlerinin başlamasının ardından, bu paketleri test edecek olan “testçi” bir ekibe gereksinim duyulacaktır.

Böylesi bir projede, profesyonel amaçla kullanılacak **PAPDUS** ile uyumlu çalışabilecek olan profesyonel ses kartlarının listesinin oluşturulmasında ve kullanıcılara bu ses kartları önerilerinden oluşan bir listeyi sunmak yerinde olacaktır.

Tüm bu paketlerinin tanıtımlarının toplu olarak yer alacağı bir “**Müzik Yazılımları E-Broşürü**” hazırlanması ise kullanıcılara, aradıkları uygulamaları bulmakta ve kullanmakta büyük kolaylıklar sağlayacaktır.

# PARDUS PAKET DEPOSU'nda olması önerilen MÜZİK YAZILIMLARI

Derleyen: Server ACİM

## **Alsa Modular Synth**

Package: ams

Realtime modular synthesizer for ALSA

This is a soft synth with a Qt GUI. All parameters can be modified in realtime via MIDI.

## **BEAST**

Package: beastmusic

synthesis and composition framework

BEAST/BSE is a plugin-based graphical system where you can link objects to each other and generate sound.

BEAST also has support for scriptability in Scheme using Guile.

## **Bitscope**

Package: bitscope

diagnosis tool for JACK audio software

As its name might suggest, the bitscope operates at the bare metal of JACK's I/O layer, looking at the 32 binary digits in each individual sample.

There are three main areas to the bitscope display:

\* Statistics, at the top, including the range of sample values and keeping a count of irregular and illegal sample values such as NaN. The statistics on the right are cumulative, and should ordinarily read zero. \* Sign & Mantissa, a row of 24 coloured indicators showing the sign (positive or negative) and mantissa of the samples. \* Adjusted scale, 40 smaller coloured indicators.

The sign and mantissa statistics are show as coloured indicators which map to bits in the samples processed by the bitscope, with the left most indicator representing the sign bit, and then the mantissa left to right from most significant to least significant. The colour is based on the percentage of samples in which the associated bit was 1 over a period of 100ms or so. Blue indicates that all samples were 0, a light green-blue for up to 33%, green for 33-66% (i.e. about half), and orange for more than 66%, then finally red if all samples are 1, a possible "stuck bit". Gray is used when no samples touched the associated bit.

The "adjusted scale" shows each sample bit on a absolute scale, adjusted for the exponent of the sample, so that internally the bitscope records a 280-bit binary real. For simplicity only 40 bits are displayed, the 8 left-most bits are the integer part, and the remaining 32 bits after the marker are fractional bits.

The audio range of the adjusted scale is from about 200dB below FS to 40dB above, which would be excessive for audio work but proves useful in diagnosing problems at a lower level.

The sample rate reported by bitscope is directly from JACK. It's not used to perform any calculations and is purely informative.

## **Cecilia**

Package: ceciliagraphic

user interface for CSound

Cecilia is a graphic user interface for the sound synthesis and sound processing package CSound. Cecilia enables the user to build very quickly graphic interfaces with sliders and curves to control CSound intruments. It is also an editor to CSound with syntax highlighting and a built-in reference. Cecilia is also a great tool to explore the parameters of a new opcode in an interactive and intuitive way.

Cecilia was designed by and for musicians and sound designers. All the traditional sound processing devices are included such as EQs, compressors and delays adapted for the most simple applications and the wildest imaginable sonic contortions.

## **FreeWheeling**

Package: freewheeling

live looping musical instrument

FreeWheeling is a live looping instrument built for improvisation. Using a keyboard or a MIDI controller, it allows to build and control repetitive patterns from a live audio stream.

FreeWheeling uses the Jack Audio Connection Kit, Fluidsynth, and SDL.

## **Freebirth**

Package: freebirth

Bass synthesizer/sample player/sequencer

Freebirth is a free software bass synthesizer / step sequencer / sample player similar to Rebirth. The bass synthesizer resembles a 303 but also has other capabilities such as

- Three oscillators (saw, sin, sqr)

Phase offsets for each oscillator

Separate filter and amplitude envelopes

Separate tuning for each oscillator

Two effects busses (reverb and delay).

## **Istanbul Desktop Session Recorder**

Package: istanbul

Desktop session recorder producing Ogg Theora video

Istanbul is a desktop session recorder for the Free Desktop. It records your session into an Ogg Theora video file. To start the recording, you click on its icon in the notification area. To stop you click its icon again. It can make a screencast of the full screen or just of an area of the screen. It is even capable of recording audio from the default input channel.

It works on Gnome, KDE, XFCE and others.

## **JACK Rack**

Package: jack-rack

LADSPA effects "rack" for JACK

JACK Rack is an effects "rack" for the JACK low latency audio API. The rack can be filled with LADSPA effects plugins and can be controlled using the ALSA sequencer. It's phat; it turns your computer into an effects box.

## **JAMin**

Package: jamin

Audio mastering from a mixed down multitrack source with JACK

JAM is a tool for producing audio masters from a mixed down multitrack source. It runs in the JACK Audio Connection Kit, and uses LADSPA for its backend DSP work, specifically the swh plugins created by Steve Harris, JAM's main author.

Features: \* Linear filters (though this seems to be going out of fashion, oh well) \* JACK i/o \* 30band graphic EQ \* 1023band graphic EQ \* Spectrum analyser \* 3band peak compressor \* Lookahead brickwall limiter

Planned features (in rough order of difficulty): \* Multiband stereo processing \* Parametric EQ \* Loudness maximiser \* Presets and scenes

## **JackEQ**

Package: jackeq

routes and manipulates audio from/to multiple sources

jackEQ is a tool for routing and manipulating audio from/to multiple input/output sources. It runs in the JACK Audio Connection Kit, and uses LADSPA for its backend DSP work, specifically the DJ EQ swh plugin created by Steve Harris, one of jackEQ's main authors.

jackEQ is intended to provide an accessible method for tweaking the treble, mid and bass of any JACK aware applications output. Designed specifically for live performance, it is modelled on various DJ mixing consoles which the main author has used.

jackEQ will allow sound as rich and powerful as Jackie O, as street smart as Jackie Brown. jackEQ may be the first female entity in JACKs realm. Is jackEQ more than you can handle?

## **Jackbeat**

Package: jackbeata

drummachine-like audio sequencer with JACK support

Jackbeat is a drummachine for JACK :

- Designed to be usable in both studio and live environment - Near-zero learning curve - Unique masking feature : allows to insert silences with precision into a track - Smart xml+tar file format

## **Kluppe**

Package: kluppea

loop-player and recorder designed for live use

kluppe is written in c and uses jack, gtk and sndfile. Features include:

- multiple files buffers, multiple 'loopers' tracks

direct (gui) access to all loopers

combined and per loop output ports for jack

different playmodes including "granular"

kluppe is the austrian word for clip and sounds even crazier if you loop it.

Homepage: <http://kluppe.klingt.org/>

## **Meterbridge**

Package: meterbridge

A collection of Audio meters for the JACK audio server

Meterbridge implements various meters for the JACK Audio Connection Kit. Examples of the available

types are: \* PPM Peak Program level Meter \* VU Volume Unit Meter \* DPM Digital Peak Meter \* JF

Jellyfish Meter \* SCO Scope

## **NoteEdit**

Package: notedit

KDE Music Editor

NoteEdit is a musical score editor for KDE.

It can import/export MIDI and MusicXML, export Lilypond, MusiXTeX, PMX and ABC files, read and

record from a MIDI keyboard, handle manually entered notation, complex multistaff layouts and lyrics.

NoteEdit also features advanced functions such as score transposition, accidentals reduction, automatic bar generation and automatic beam gathering.

## **Oscilloscope**

Package: ll-scopean

oscilloscope DSSI plugin

The Oscilloscope is a DSSI plugin with a GUI that displays the audio input in an oscilloscope view. It can be useful when working with modular synths, to view the waveforms with at different places in the synth graph.

## **Patchage**

Package: patchage

modular patch bay for Jack audio and Alsa Midi

Patchage provides a graphical interface to connect jack and midi inputs and outputs. Each application is

represented as one box with inputs on the left and output on the right. Boxes can be moved around and

arranged to have a clear display of the current setup.

Homepage: <http://www.scs.carleton.ca/~drobilla/patchage/>

## **PureData**

Package: puredatarealtime computer music and graphics system

A real-time graphical programming environment for audio and graphics analysis and rendering. Pd's audio

functions are built-in; graphical computations require a separate package named GEM ("Graphics

Environment for Multimedia"). Pd and GEM are available for SGI machines, IBM PC compatibles (running NT or W95) and Linux (PCs or Alpha machines).

## **QARecord**

Package: qarecord

A simple multithreaded stereo recording tool

QARecord is a simple multithreaded stereo recording tool. It can record both 16 bit and 32 bit WAVs. By using a large ringbuffer for the captured data, buffer overruns are avoided. QARecord can also be used as JACK client.

Homepage: <http://alsamodular.sourceforge.net/>

## **ReZound**

Package: rezound

Audio file editor

ReZound is an advanced audio file editor for the GNU/Linux platform. It supports the JACK audio server and the OSS sound API. It can import several audio file formats such Ogg/Vorbis, mp3, standard wav, FLAC and exports in its own file format (.rez). You can use ReZound to burn your audio files directly to CD.

ReZound has unlimited Undo. It supports the LADSPA effect plugin standard and has several builtin effects.

Homepage: <http://rezound.sf.net/>

## **Seq24**

Package: seq24

Real time MIDI sequencer

Seq24 was created to provide a very simple interface for editing and playing midi 'loops'. It is a very minimal sequencer that excludes the bloated features of the large software sequencers and includes a small subset that proved to be useful for live performances.

Homepage: <http://www.filter24.org/seq24/>

## **Virtual MIDI Keyboard**

Package: vkeybd

Virtual MIDI Keyboard

This program allows you to use the Linux AWE32 driver, OSS MIDI sequencer, or ALSA MIDI sequencer and provides "virtual" keyboard (the musical type), which can be "played" using the keyboard or mouse under X11.

## **gPodder Podcast Client**

Package: gpodder

A GTK+ Media aggregator and Podcast catcher

gPodder is a podcast receiver/catcher. You can subscribe to RSS feeds (Podcasts) and download audio/video content from different channels. You can then playback content on your desktop or synchronize to your iPod or portable MP3 player. Simultaneous downloads and automatic downloads of new episodes are also supported.