

streaming

## POWUA STREAMING SOFTWARE

<b>annodex-tools</b>	<p>tools for fiddling with annotated and indexed media streams</p> <p>This package contains tools that can be used to create and modify Annodex media. The Annodex media format allows annotations and indexes in streaming media and other types of continuous data, which can be used for hyperlinked video amongst other things.</p>	<p><a href="http://www.annodex.net">www.annodex.net</a></p>
<b>gnome-peercast</b>	<p>PeerCast user interface for GNOME includes peercast core</p> <p>PeerCast is a free way to listen to radio and watch video on the Internet. It uses P2P technology to let anyone become a broadcaster without the costs of traditional streaming. This means you get to hear and watch stations not normally found on commercially funded sites.</p> <p>This software is a GNOME User Interface with full features of PeerCast and some extended features.</p> <p>Yes, gnome-peercast is completely fork of peercast.</p>	<p><a href="http://takuo.jp/gnome-peercast">http://takuo.jp/gnome-peercast</a></p>
<b>helix-player</b>	<p>Helix audio and video player</p> <p>The Helix Player is an audio and video player based on the Helix DNA Client engine. It includes a Mozilla browser plug-in and supports local file playback and streaming over RTSP/RTP and HTTP. It supports video zoom in original, double size, and full screen, and supports:</p> <ul style="list-style-type: none"><li>* Theora (Alpha 3 encoded content), Vorbis, Ogg</li><li>* Basic SMIL 2.0</li><li>* H.263</li><li>* RealPix, RealText, RealEvents</li><li>* RAM and RPM playlist formats</li><li>* RTSP streaming with RTP, HTTP streaming</li></ul> <p>This package contains just the player, install mozilla-helix-player for the browser plugins for Mozilla based browsers.</p>	
<b>mozilla-helix-player</b>	<p>Helix audio and video player (browser plugin)</p> <p>The Helix Player is an audio and video player based on the Helix DNA Client engine. It includes a Mozilla browser plug-in and supports local file playback</p>	

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and streaming over RTSP/RTP and HTTP. It supports video zoom in original, double size, and full screen, and supports:

- \* Theora (Alpha 3 encoded content), Vorbis, Ogg
- \* Basic SMIL 2.0
- \* H.263
- \* RealPix, RealText, RealEvents
- \* RAM and RPM playlist formats
- \* RTSP streaming with RTP, HTTP streaming

This package contains the browser plugins for Mozilla based browsers.

<https://player.helixcommunity.org/>

### **icecast-server**

MPEG Layer III Streaming Server

Icecast is an audio broadcasting system. It can stream music in the MPEG Layer III format, and supports multiple streams on a single port through the use of "mountpoints".

Many audio players can listen to Icecast streams, as it's been built to remain compatible with Nullsoft Shoutcast. Popular clients such as XMMS or Winamp can also stream audio to an icecast server, using specific plugins.

<http://www.icecast.org>

### **ices2**

Ogg Vorbis streaming source for Icecast 2

IceS 2.x is used to source Icecast 2 streaming audio servers with Ogg Vorbis audio streams. It supports both live audio input from a soundcard and re-encoding of Ogg Vorbis files from a playlist.

<http://www.icecast.org/ices.php>

### **nzb**

An nzb based Usenet binary grabber

nzb is a binary news grabber written in Qt 4. It natively downloads and decodes the files specified in the nzb file, an XML format which describes binary files on Usenet by their message-id. nzb provides support for direct streaming of media files to your favourite media player.

nzb files are a popular way to describe files posted on Usenet which span several messages (multi-part binaries). These files eliminate the need to fetch headers from newsgroups as nzb files contain the message-ids of the segments which can be downloaded directly from most news servers. A technical description can be found at [http://docs.newzbin.com/Newzbin:NZB\\_Specs](http://docs.newzbin.com/Newzbin:NZB_Specs)

nzb makes Usenet downloading easy by providing an easy to use interface which

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loads up a specified nzb file and either downloads the files described in the nzb or streams the data to an external application. This is usually used for video files which results in streaming video over Usenet.

<http://nzb.sourceforge.net>

### **poc-streamer**

An MP3/Ogg multicast/HTTP streamer and MP3 cutting tool  
poc is a suite of MP3 tools and MP3 streaming programs. It can stream MP3s over HTTP, RTP multicast (RFC 2250 and RFC 3119) and a special multicast protocol to enable the use of Forward Error Correction to protect the MP3 stream against packet loss. It can also stream OGGs over HTTP.

In addition to the streaming programs, poc contains two MP3 tools: mp3cue and mp3cut. mp3cue can cut a big MP3 file according to a tracklisting contained in a .cue file. mp3cut can split and concatenate MP3 files according to time slices given on the command line. mp3cut cuts MP3 files on ADU (autonomous data units) frames to ensure best quality.

<https://bl0rg.net/software/poc>

### **slimp3**

MPEG Layer III Streaming Server

SLIMP3 is an audio broadcasting system. It can stream music in the MPEG Layer III format, and supports multiple playlists on a single port through source ip "players".

Many audio players can listen to SLIMP3 streams, such as XMMS or Winamp and especially the SLIMP3 hardware player available at

<http://www.slimp3.com>

### **slimscrobbler**

SlimServer plugin that submits listening data to Last.FM

SlimServer is a cross-platform streaming server that supports a wide range of formats, including AAC, AIFF, FLAC, Ogg Vorbis, MP3, WAV, and WMA. Although it was developed to stream music files to Slim Devices' Squeezebox range of hardware players, it works perfectly with any software MP3 player capable of working with network streams.

Last.FM's AudioScrobbler is a service that collects information about users' listening habits into a database, and makes that information available in various forms from their website. See <http://last.fm> for details.

This package provides a plugin for SlimServer that enables it to

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submit listening data to the Last.FM AudioScrobbler service.

<http://slimscrobbler.sourceforge.net>

### **somaplayer**

player audio for the soma suite

Music player for mp3, ogg, wav, audiocd, mp3 streaming, ogg streaming and able to use the appropriate sound drivers, demons, to stream directly to an icecast server (icecast2 or shoutcast) or to encode in ogg/vorbis. soma player is even a sound daemon (sds-soma daemon sound), able to accept connections from more somaplayers at the same time, or at any other sound player (xmms, mpg123 and others), thanks to a special wrapper. All those sources are added and managed via driver or daemon, streammed or encoded as above.

These are the features of somaplayer:

- \* openssl
- \* mad
- \* id3tag,
- \* vorbis,
- \* cdaudio,
- \* ao (output audio dsp support),
- \* daemon output sds (soma daemon sound support),
- \* streaming (output streaming support),
- \* icecast (output icecast support),
- \* icecast2 (output icecast2),
- \* shoutcast (output shoutcast support),
- \* ipv6.

It is very useful to build up and manage internet radio stations and can be used in combination with the soma daemon.

<http://www.somasuite.org>

### **liveice**

Live audio streaming application

Liveice is a live streaming program that allows input either from your soundcard's line in or from mp3 files to be mixed and re-encoded and then streamed to an icecast server. This means that you can use liveice with your microphone and do live audio broadcasts, or even use a mp3 playlist and use the multi channel support to speed up, slow down, adjust volumes, and mix between the two channels, and then re-encode the data at a lower bitrate to be sent out to a icecast server.

<http://liveice.sourceforge.net>

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### **camserv-relay**

Relay camserv video stream for load balancing purposes  
This connects as a client to a camserv streaming video server, and then acts as a camserv server, streaming the same data to clients.  
Useful when the computer doing the streaming has insufficient CPU, I/O, or network bandwidth to stream to the required number of clients.  
A tree of camserv relays can handle massive loads.

<http://cserv.sourceforge.net>

### **cmus**

Lightweight ncurses audio player  
C\* Music Player is a modular and very configurable ncurses-based audio player. It has some interesting features like configurable colorscheme, mp3 and ogg streaming, it can be controlled with an UNIX socket, filters, album/artists sorting and a vi-like configuration interface.  
It currently supports different input formats:  
- Ogg Vorbis  
- MP3 (with libmad)  
- FLAC  
- Wav  
- Modules (with libmodplug)  
- Musepack  
- AAC

<http://onion.dyndns.net/~timo/cmus.html>

### **cortado**

streaming applet for Ogg formats  
By embedding the cortado applet in your website, you can give viewers access to streams from either the Flumotion streaming server or any HTTP server providing multimedia files without the need for a locally installed media player supporting the correct formats on the visitor's computer. Cortado currently include Java decoders for Ogg Theora, Ogg Vorbis (the JOrbis library), Mulaw audio, MJPEG and Flumotion's Smoke codec.  
The package will automatically be configured for apache2 but can be used with any other HTTP server. Some HTML files are included as examples of how to use the applet.

<http://www.flumotion.net/cortado>

### **ffmpeg**

multimedia player, server and encoder

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This package contains the ffplay multimedia player, the ffserver streaming server and the ffmpeg audio and video encoder. They support most existing file formats (AVI, MPEG, OGG, Matroska, ASF...) and encoding formats (MPEG, DivX, MPEG4, AC3, DV...).

<http://ffmpeg.mplayerhq.hu>

### **flumotion**

Fluendo Streaming Server - manager, worker and admin  
Flumotion is a modern streaming media server built with a modular distributed design. This gives you unprecedented stability and scalability in offering high-quality streaming media.

<http://www.flumotion.net>

### **gmotionlive**

Flumotion includes support for both emerging media format standards, such as Ogg/Theora, and traditional formats such as MPEG-4. It features intuitive graphical administration tools, making the task of setting up and manipulating audio and video streams easy for even novice system administrators.

A simple multipart/x-mixed-replace viewer

gmotionlive is a simple gtk viewer for streaming webcams that use multipart/x-mixed-replace streams.

It was written for viewing streams from the motion program but should be usable for other sources such as network cameras.

<http://gate.vitsch.net/~pe1rxq/gmotionlive/>

### **gnump3d**

A streaming server for MP3 and OGG files

GNUMP3d is a small, portable, and robust server for streaming MP3s, OGGs, and other multimedia files.

It presents a simple and attractive interface to web browsers, which allows you to navigate through your music collection.

Individual files may be streamed, as can whole directory trees.

Other features include the ability to see your most popular tracks, and to search your collection for songs.

<http://www.gnump3d.org>

### **icecast2**

Ogg Vorbis and MP3 streaming media server

Icecast is a streaming media server which currently supports Ogg Vorbis and MP3 audio streams. It can be used to create an Internet radio station or a privately running jukebox and many things in

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between. It is very versatile in that new formats can be added relatively easily and supports open standards for communication and interaction.

<http://www.icecast.org/>

### **idjc**

graphical shoutcast/icecast client

Internet DJ Console is an Internet radio application for making a live radio show or podcast. Features include two main media players with a crossfader, a jingle player, microphone signal processing (compressor and noise gate), IRC track announcements with X-Chat, an automatic stream shut-off timer, MP3 or Ogg streaming and recording at various bit rates, aux input for connecting external JACK aware applications, and audio level meters.

<http://idjc.sourceforge.net/>

### **mod-musicindex-common**

Common files for mod-musicindex

mod\_musicindex is aimed at being a C alternative to the Perl module Apache::MP3 (<http://search.cpan.org/dist/Apache-MP3/>).

It allows nice displaying of directories containing MP3 or Ogg Vorbis and FLAC files, including sorting them on various fields, streaming/downloading them, constructing playlists and searching.

This package includes common files between libapache-mod-musicindex and libapache2-mod-musicindex and is useless without any of these.

### **oggfwd**

a basic icecast source client for audio and video streaming

oggfwd is a simple source client to forward an ogg file to an Icecast 2 streaming server. It forwards audio or video ogg files read from stdin.

<http://v2v.cc/~j/oggfwd/>

### **pitivi**

non-linear audio/video editor using GStreamer

GStreamer is a streaming media framework, based on graphs of filters which operate on media data. Applications using this library can do anything from real-time sound processing to playing videos, and just about anything else media-related. Its plugin-based architecture means that new data types or processing capabilities can be added simply by installing new plug-ins.

PiTiVi allows users to easily edit audio/video projects based on the GStreamer framework. PiTiVi provides several ways of creating and

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modifying a timeline. Ranging from a simple synopsis view (a-la iMovie) to the full-blown editing view (aka Complex View) which puts you in complete control of your editing.

<http://www.pitivi.org>

### **slimserver**

Streaming Audio Server

SlimServer is a cross-platform streaming server that supports a wide range of formats, including AAC, AIFF, FLAC, Ogg Vorbis, MP3, WAV, and WMA. Although it was developed to stream music files to Slim Devices' Squeezebox range of hardware players, it works perfectly with any software MP3 player capable of working with network streams.

<http://slimlyrics.sourceforge.net>

### **streamtuner**

A GUI audio stream directory browser

Streamtuner is a stream directory browser. It offers an intuitive and unified interface to various streaming directories through the use of a C/Python plugin system.

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Current plugins included in this package are:

- \* SHOUTcast
- \* Live365
- \* Xiph.org
- \* basic.ch
- \* and more!

More information and plugins can be found at:

<http://www.nongnu.org/streamtuner>

### **vls**

lightweight MPEG and DVD video streaming server

VideoLAN is a free streaming software solution. This is VLS, the VideoLAN Server. It can stream MPEG files or DVDs over the network, in unicast or multicast. It also supports Digital Video Broadcasting cards.

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VLS is a lightweight solution that does not support as many file formats, transcoding features and control interfaces as VLC, but uses a lot less processing power. If VLS fills your requirements, it is the recommended streaming server. Otherwise, please see the vlc package for a more complete solution.

<http://www.videolan.org>

### **xine-ui**

the xine video player, user interface

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This is an X11 based GUI for the libxine video player library. It provides xine, a skin based media player that can play all the audio/video formats that libxine supports. Currently, this includes MPEG1/2, some AVI and Quicktime files, some network streaming methods and disc based media (VCD, SVCD, DVD). A more complete list can be found on <http://xinehq.de/index.php/features/>

This package contains an additional front end, aaxine, which runs even on the console. aaxine uses aalib to render ASCII art video, or you can tell it to use a framebuffer device. This is more a proof of concept, but you can use it to watch DVD-)

Most DVDs on the market today are play-protected by the Content Scrambling System (CSS). Xine does not provide any code to descramble those DVDs, because of legal uncertainties. Have a look at [/usr/share/doc/xine-ui/README.Debian](http://usr/share/doc/xine-ui/README.Debian) for more information!

### **xine-plugin**

display multimedia streams.

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Features:

- embedded display on browser window
- streaming playback directly from xine engine
- playback control using keyboard
- relative paths supported
- on screen display of buffering and stream information
- playlists and references support
- loop and repeat mode
- multiple instances within the same page

<http://xinehq.de>

### **avifile-player**

video player for AVI/ASF/WMF files  
Player for various AVI, ASF, WFM (with streaming support) files.  
Separate local installation of Windows DLL codecs might be needed for the better usage of this player.  
See README.debian for more information.

<http://avifile.sourceforge.net>

### **elisa**

media center solution  
Elisa is a project to create an open source media center solution for GNU/Linux and Unix operating systems. Elisa runs on top of the GStreamer

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multimedia framework. In addition to personal video recorder functionality (PVR) and Music Jukebox support, Elisa will also interoperate with devices following the DLNA standard like Intel's ViiV systems.

GStreamer is a streaming media framework, based on graphs of filters which operate on media data. Applications using this library can do anything from real-time sound processing to playing videos, and just about anything else media-related. Its plugin-based architecture means that new data types or processing capabilities can be added simply by installing new plug-ins.

<http://elisa.fluendo.com>

### **geekast**

GNOME interface to peercast

Geekast is an alternative to the Web interface.

Currently, it can perform audio (Ogg and MP3) or video (OGM) streaming through an external player like totem, or an internal player based on the Gstreamer multimedia framework.

In the future, it should be possible to encode a Webcam or any input stream over the peercast network.

This meta-package provides all needed software for running geekast over a peercast-server on localhost. For more customised installation, use peercast-geekast and geekast-binary separately.

<http://home.gna.org/geekast>

### **kmplayer**

media player for KDE

KMPlayer is a simple frontend for MPlayer/Xine/ffmpeg/ffserver/VDR.

Some features:

- \* play DVD/VCD movies (from file or url and from a video device)
- \* embed inside konqueror (movie is played inside konqueror)
- \* backend players play from a pipe (read from stdin)
- \* DCOP KMediaPlayer interface support
- \* VDR viewer frontend (with \*kxvplayer)
- \* embed inside khtml (movie playback inside a html page)
- \* Movie recording using Xine
- \* No video during recording, but you can always open a new window and play it
- \* Broadcasting, http streaming, using ffserver/ffmpeg
- \* For TV sources, you need v4lctl (part of the xawtv)

<http://kmplayer.kde.org>

### **peercast**

P2P audio and video streaming server metapackage

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PeerCast is a P2P streaming server. It can stream music and video from a broad variety of formats. This metapackage installs a full peercast, servent and handlers.

<http://peercast.sourceforge.net>

### **peercast-geekast**

GNOME interface to peercast - peercast-servent data files  
Geekast is an alternative to the Web interface.  
Currently, it can perform audio (Ogg and MP3) or video (OGM) streaming through an external player like totem, or an internal player based on the Gstreamer multimedia framework.  
In the future, it should be possible to encode a Webcam or any input stream over the peercast network.  
This package provides the data files needed to make geekast work with peercast-servent.

<http://peercast.sourceforge.net>

### **peercast-handlers**

P2P audio and video streaming handlers  
PeerCast is a P2P streaming server. It can stream music and video from a broad variety of formats.  
This package installs handlers for common browsers like Firefox, Konqueror, Epiphany.

<http://peercast.sourceforge.net>

### **peercast-servent**

P2P audio and video streaming servent  
PeerCast is a P2P streaming server. It can stream music and video from a broad variety of formats.  
This package installs peercast's servent daemon.

<http://peercast.sourceforge.net>

### **vlc**

multimedia player and streamer  
VLC is the VideoLAN project's media player. It plays MPEG, MPEG2, MPEG4, DivX, MOV, WMV, QuickTime, mp3, Ogg/Vorbis files, DVDs, VCDs, and multimedia streams from various network sources.  
VLC can also be used as a streaming server that duplicates the stream it reads and multicasts them through the network to other clients, or serves them through HTTP.  
VLC has support for on-the-fly transcoding of audio and video formats, either for broadcasting purposes or for movie format transformations. Support for most output methods is provided by this package, but features can be added

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by installing additional audio plugins (vlc-plugin-esd, vlc-plugin-sdl, vlc-plugin-arts) or video plugins (vlc-plugin-sdl, vlc-plugin-ggi, vlc-plugin-glide, vlc-plugin-svgalib). There is also a web browser plugin in the mozilla-plugin-vlc package.

<http://www.videolan.org>

### **vlc-nox**

multimedia player and streamer (without X support)  
VLC is the VideoLAN project's media player. It plays MPEG, MPEG2, MPEG4, DivX, MOV, WMV, QuickTime, mp3, Ogg/Vorbis files, DVDs, VCDs, and multimedia streams from various network sources.

VLC can also be used as a streaming server that duplicates the stream it reads and multicasts them through the network to other clients, or serves them through HTTP.

VLC has support for on-the-fly transcoding of audio and video formats, either for broadcasting purposes or for movie format transformations. Support for most output methods is provided by this package, but features can be added by installing additional audio plugins (vlc-plugin-esd, vlc-plugin-sdl, vlc-plugin-arts) or video plugins (vlc-plugin-sdl, vlc-plugin-ggi, vlc-plugin-glide, vlc-plugin-svgalib). There is also a web browser plugin in the mozilla-plugin-vlc package.

This package contains a version of VLC that does not require X and that is thus suitable for headless servers.

<http://www.videolan.org>

### **xmms-mad**

mp3 input plugin for xmms based on libmad  
xmms-mad is an MP3 input plugin for XMMS based on libraries from the MAD project. It also has limited support for playback of shoutcast and icecast streaming mp3s.  
Because it is based on MAD the plugin has several advantages over the standard MP3 plugin that ships with XMMS such include using 100% fixed-point arithmetic and supporting upto 24-bit output.

<http://www.xmms.org>

### **xmms2-plugin-ices**

XMMS2 - ogg streaming output  
This package contains an output plugin for ogg/vorbis streaming.  
Enhances: xmms2-core

<http://www.xmms.org>