

Exercise 5 – Multimedia in the Net

Task 5: An Ogg Vorbis Audio Player

Enhance the audio player from exercise 4 so that it does the following in addition to the previous functionality:

- accept a .ogg file as command line parameter and play it over the PC's speakers
- the player must be able to play single-bitstream Ogg Vorbis files.
- the player must automatically detect which format the file has
- the code should do extensive error checking and underrun recovery
- refactor your existing code, and create a encoding-transparent interface

Hand in a make file (`Makefile`) and one or more `.c` and/or `.h` files which can be compiled on a computer in the CIP pool by issuing the command
`make play`

The resulting binary file `play` must run on the computers in the CIP-Pool.

Hints:

- read the vorbisfile API documentation at <http://xiph.org/vorbis/doc/vorbisfile/reference.html> .
- use the `-lvorbisfile` flag for gcc to link in the library.

Send an e-mail with „MMN – Exercise 5“ as subject, your immatriculation number in the e-mail body, and a tar.gz archive containing only the make file and source files (`play.tar.gz`) as an attachment to raphael.wimmer@medien.ifl.lmu.de

Deadline: Sunday, 03. December 2006, 24:00.