Exercise 7 – Multimedia in the Net

Task 7: Video Player

Write a video player `vid`, that does at least two of the following items:

- play a video file given as a command line parameter
- play video from stdin
- automatically detect video size and adjust window size
- overlay a second video in the upper right corner
- show two videos in two windows which are docked together
- display a nice help text if F1 is pressed
- something cool...

If you are working together in an informal group, you have to implement (n*2) features, where n is the number of members of the group.

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 vid

The resulting binary file `vid` must run on the computers in the CIP-Pool.
Provide a file README, which lists features, limitations, build requirements and usage hints.

Hints:
- use libxine, use the example in the repository
- the required header files xine.h and xineutils.h are not installed in the CIP pool. Get them elsewhere.
- Have a look at the input plugins provided by xine.

There is a file vid.c in the trunk of the MMN Subversion repository (URL and login have been mailed to you). Create a branch `/branches/<login_name>`. Extend the source code to the functionality required above. Do at least three commits containing <u>real</u> changes.
Tag your final code revision as `/tags/<login_name>/exercise`7 before the deadline

You shall (and have to) present your solution in the tutorials next week. The program will be running on Raphael's laptop.

Deadline: Sunday, 17. December 2006, 24:00.