
Subject: Re: Upp 2008.1rc1 released
Posted by [riri](#) on Thu, 03 Jul 2008 07:11:01 GMT
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Hi,

I tested your Makefiles on an Ubuntu 8.4 (hardy) i386 system (in fact a 32bits system on an amd64 cpu, no matter) with gcc-4.2 (despite the announced internal bug). I first had some problems I explain below to have things compiled, but at the end, I've a link error.

So, the problems :

Due to the content of the Makefiles, you assume a GNU Make no ? (because of MACRO ?= value constructs). In this case, it would be good to detect some things with a \$(shell) macro expansion, such as the HOSTTYPE, and above all compiler and linker flags for various libraries (most them use pkgconfig, which is handy). If you want, I can make some modifications in this way and give you a patch.

The compile errors were for almost of them due to missing compiler flags.

HOSTTYPE is defined in the root makefile, which starts \$(MAKE) with -f uppsrc/ide/Makefile. A better solution (if GNU make is assumed) is to use \$(MAKE) -C uppsrc/ide, because makeflags are transferred to the called make. To have a HOSTTYPE defined, I exported an environment variable, overriding the root Makefile's one.

in uppsrc/ide/Makefile, LOCALBASE defaults to /usr/local. On most system, the distribution library packages are used, and the path is /usr, but this's not important, because of next point. On my Ubuntu, the glibconfig.h is not in /usr/include/glib-2.0 but under /usr/lib/glib-2.0/include (don't ask me why, I installed the ubuntu's deb via apt). The same for gdkconfig.h in /usr/lib/gtk-2.0/include. This problem can be solved using pkgconfig to retrieve libraries flags automagically.

After having made the needed modifications in the CINC macro of the Makefile, all compilations went ok , but the final link reported an error. Maybe due to a missing link flag, or incompatibility, I don't know: "/usr/lib/libcairo.so: undefined reference to `pixman_format_supported_destination'". An idea ?

Despite theses problems, It's cool to have Makefiles to build an initial ide, good work