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Subject: Re: Autotool support by Upp  
Posted by [ebojd](#) on Thu, 22 Mar 2007 13:01:22 GMT  
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fallingdutch wrote on Thu, 22 March 2007 03:50 For me it is still a problem how to deal with .icpp files.

Mirek introduced them to be files that always have to be recompiled (mostly files including language stuff or database definitions etc) so there should be a way to compile them \*every\* time and include the objects into the source.

Information/Code/Suggestions etc are very welcome

There should be several ways of dealing with this. Probably the easiest is to define a .icpp.o translation SUFFIX, and a clean\_icpp\_ofile method which removes the .o files every time (mind you this is strictly off the top of my head and not tested -- your mileage may vary):

```
ICPP_SRC = bla.icpp woof.icpp

ICPP_OBJ = $(addsuffix .o, $(basename $(ICPP_SRC)))

.SUFFIXES: .c .cc .icpp

.icpp.o:
    $(CXX) $(CXXFLAGS) $(UPPFLAGS) -c $<

all: theide

theide: clean_icpp_ofile $(ICPP_OBJS) $(OBJS) ...
    ....

clean_icpp_ofile:
    -$(RM) $(ICPP_OBJS)
```

The intent here, if I got this right, is to remove all .o files associated with the .icpp files, then rebuild them.

This is probably not the most elegant mway to get the job done. I seem to remember that there was a way to force compilation using the .FORCE. rule <see [http://theoryx5.uwinnipeg.ca/gnu/make/make\\_19.html](http://theoryx5.uwinnipeg.ca/gnu/make/make_19.html)> for example). I do not know how portable this approach would be though.

In addition to this you will need to carefully address properly building the dependencies. There is a program called makedepend that will do this, but there is also a method using the -M compiler switch IIRC (but I have not used that one yet).

Hope that helps, more later

EBo --

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