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Subject: Re: possibly working theide on Mac OS X using tiny mods to UNIX dist  
Posted by [daveremba](#) on Tue, 14 Jun 2011 03:40:52 GMT

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Hi Honza,

The linux install to ~/upp worked ok,  
make install

and as you said a build method is needed,  
because the build attempts to link with  
libs that aren't there (like GTK).

I did encounter one run-time problem so far,  
which is that pull down menus and option menus  
don't work.

I will investigate this, and there will be  
probably some source code change.

I will keep you posted.

Here are the steps I did in detail:

1. to build theide

```
cd upp-x11-src-3211/uppsrc  
make
```

but make these changes to Makefile first:

chgs:

a. in Makefile

```
added -DflagNOGTK  
added -DHAVE_CONFIG_H (for ndisasm)
```

b. downloaded ndisasm and ran ./configure to get:

```
config.h (file added)  
compiler.h (file replaced)  
(these files appear to be generated by ndisasm  
'configure' and are specific to the type of  
system (hardware and software).
```

c. uppsrc/plugin/ndisasm/lib:

```
inttypes.h  
LONG_MAX == 9223372036854775807L not working, hardcoded for MacOSX
```

d. in Makefile

```
turned-off compile and archive add for snprintf
```

because MacOSX has this function builtin

e. in Makefile

added to CFLAGS: -std=c99 -pedantic  
(from comparing with ndisasm build)

f. in Makefile, final link step changes:

(differences in MacOSX gcc/ld from UNIX)

removed from LDFLAGS: -Wl,--gc-sections

removed -Wl,-O,2 (optimize) -Wl,-s (strip)

was: \$(LINKER) -o \$(OutFile) -Wl,-s \$(LIBPATH) -Wl,-O,2 \$(LDFLAGS) \

removed --start\_group after Export.o

was: -Wl,--start-group \

removed --end\_group after -lz

was: -Wl,--end-group

and use minimal library list:

-lX11 -lXrender -lz -lXext -lpng -lXft -lfontconfig -lfreetype -lm

(original lib list commented)

after successful build:

2. cp upp-x11-src-3211/uppsrc ../theide

3. doinstall mods

don't rm files for now

run in a terminal shell:

~/theide

note: double-click in finder will not work yet.

this will give:

error: Saturn cannot open files of this type.

4. runtime observations:

a. pulldown menus & option menus do not appear

b. errors in build (need to add a build method for MacOSX)

I'm working on these now ...

-Dave

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