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Subject: Re: 701-dev1 / 2007.1beta on Mac OSX  
Posted by [lundman](#) on Fri, 02 Feb 2007 03:11:54 GMT  
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There used to be a Core on exit bug, but we did fix it. Where does gdb say it died? If you run the program as

```
# ./myapp -args  
use  
# gdb ./myapp  
gdb> run -args
```

and use "bt" to get the backtrace once it cores.

Universal build:

In Build Environment I add Compiler flags "-arch i386 -arch ppc" to the method I want, or all of them. (debug, size, speed). If you on a ppc mac you also need to add "-isysroot /Developer/SDKs/MacOSX10.4u.sdk"

You need the same options when linking, but alas, there is no way to set Link options with U++ based on the platform, or triggered based on your current Building method.

I get around that by using Package Organiser / Add Link Options / WHEN "OSX11" with flags: "-arch i386 -arch ppc"  
again, on PPC, you additionally need to make it:  
"-syslibroot /Developer/SDKs/MacOSX10.4u.sdk -arch ppc -arch i386"

Finally, "ar" on OsX is the Gnu "ar" (as in, untouched) and can not handle fat files. You can change the ide sources to use "libtool" instead of ar, by editing CppBuilder.cpp and GccBuilder.cpp.

Or, replace "ar" with a script (temporarily) if you want (or, place it elsewhere, and fiddle with your PATH, there isn't just one way to fix things in Unix).

My "ar" script looks like:

```
#!/bin/bash  
  
# It is valid to say "ar rc libfoo files.o"  
shift  
  
# Skip all arguments
```

```

done=0
while [ $done == 0 ]
do
case "$1"
in
  -*)      shift
          ;;
  *)      done=1
          ;;
esac
done

# Get output name
out=$1
shift

echo libtool $* -o $out
exec /usr/bin/libtool $* -o $out

```

Alas, you need all support libraries to also be Universal, i.e. that means libpng at least. You can compile it yourself using the nice `./configure` line, or, fight with "port" to do it for you. If you are doing Universal of your own App, you'll have to work out your own dependencies.

Configure line that works on many things:

```

env CFLAGS="-O -g -isysroot /Developer/SDKs/MacOSX10.4u.sdk -arch i386 -arch ppc"
LDFLAGS="-arch i386 -arch ppc" ./configure --disable-dependency-tracking

```