

## Ryzom - Bug # 1152

<b>Status:</b>	Closed	<b>Priority:</b>	High
<b>Author:</b>	rti	<b>Category:</b>	Build
<b>Created:</b>	10/31/2010	<b>Assignee:</b>	kervala
<b>Updated:</b>	11/18/2010	<b>Due date:</b>	
<b>Subject:</b>	FindLibwww does not make all needed libs link to ryzom_client		
<b>Description</b>			
Happens on MacOS X libwww installed using macports.			
Changing all the FIND_WWW_LIBRARY(XXX OPTIONAL xxx) to FIND_WWW_LIBRARY(XXX REQUIRED xxx) fixes this, but... :) Details follow...			

### History

#### #1 - 10/31/2010 10:23 pm - kervala

- Status changed from New to Validated

We shouldn't overlink because it can create problems for other platforms.

We created some helpers to check if a lib is using a symbol and if a lib is already linked to another one, we should use/fix them to be sure all checks are made.

If you have undefined symbols when linking, you could paste errors there and we can find what lib is missing :)

otool is working fine under Mac OS 10.5 but apparently that's not the case under Mac OS 10.6, so I replaced otool by nm to check symbols.

#### #2 - 11/01/2010 07:28 pm - rti

Ok here is the list of missing symbols and libs containing the symbols which i had to set to REQUIRED to make ryzom\_client run on 10.6 with macport's libwww:

```
_HTGuess_new referenced from /opt/local/lib/libwwwapp.dylib (is in libwwwstream.dylib)
_HTLoadFTP referenced from /opt/local/lib/libwwwapp.dylib (is in libwwwftp.dylib)
_HTLoadGopher referenced from /opt/local/lib/libwwwapp.dylib (is in libwwwgopher.dylib)
_HTLoadNews referenced from /opt/local/lib/libwwwapp.dylib (is in libwwwnews.dylib)
_HTLoadTelnet referenced from /opt/local/lib/libwwwapp.dylib (is in libwwwtelnet.dylib)
_HTML_new referenced from /opt/local/lib/libwwwapp.dylib (is in libwwwxml.dylib)
_HTZLib_inflate referenced from /opt/local/lib/libwwwapp.dylib (is in libwwwzip.dylib)
```

#### #3 - 11/01/2010 07:29 pm - rti

btw, i updated to r1049 before creating the list :)

#### #4 - 11/02/2010 09:56 am - rti

Maybe it is worth mentioning that some part of the under link detection seems to work well:

- Underlinking found: /opt/local/lib/libwwwapp.dylib needs  
/opt/local/lib/libwwwcache.dylib but is not linked to, manually linking...
- Linking with /opt/local/lib/libwwwcache.dylib

**#5 - 11/02/2010 10:07 am - kervala**

Your 2nd post helped me to check that "nm -gu" are not giving the expected results :( Even if they work under Leopard.

I used now "nm -Dgu", please could you try if it works ? Thanks :)

**#6 - 11/02/2010 01:03 pm - kervala**

- *Status changed from Validated to Assigned*
- *Assignee set to kervala*
- *Priority changed from Normal to High*

**#7 - 11/02/2010 01:10 pm - kervala**

- *Status changed from Assigned to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset r1063.

**#8 - 11/02/2010 01:13 pm - kervala**

- *Target version set to Version 0.8.0*

Finally :)

**#9 - 11/18/2010 02:44 pm - kervala**

- *Status changed from Resolved to Closed*