

Ryzom - Feature # 842

Status:	Closed	Priority:	High
Author:	vl	Category:	Build
Created:	05/06/2010	Assignee:	sfb
Updated:	01/19/2011	Due date:	
Subject:	Move building system to CMake for the Ryzom Client		
Description	Move building system to CMake for the Ryzom Client		

History

#1 - 05/10/2010 02:00 pm - sfb

- Category set to Build
- Assignee set to sfb

Taking ownership of this issue.

#2 - 05/11/2010 09:33 am - jayme

- File `cmake_ryzom_default_options.patch` added

I have added some cmake default options for the ryzom build (they do not change the current default behaviour). Maybe they are usefull to somebody else...

#3 - 05/11/2010 09:58 am - jayme

- File `cmake_ryzom_default_options.patch` added

vhelsing wrote:

I have added some cmake default options for the ryzom build (they do not change the current default behaviour). Maybe they are usefull to somebody else...

Forgot to actually setup the default options...sorry

#4 - 05/11/2010 10:00 am - vl

- File `deleted (cmake_ryzom_default_options.patch)`

#5 - 05/11/2010 10:32 am - kerval

Please could you add .pc (pkg-config) files generation in CMake build ? For the moment, they are generated from .pc.in files.

#6 - 05/11/2010 03:52 pm - ratmice

- File `cmake-stuff.diff` added

Ahh, I had missed this issue earlier when posting cmake issues.

so this patch adds searches for all the libraries necessary to link/run client to their appropriate places (on my machine anyhow)

this contains the patches for in issue #849 and issue #850, plus some new stuff...

#7 - 05/19/2010 10:37 am - Krolock

- File *xf86vmode.diff* added

cmake had some troubles to find xf86vmode. In Suse systems there is no xf86vm.h, so i changed the filename to xf86vmode.h in FindXF86VidMode.cmake. It worked on my system and it should also work on debian.

#8 - 06/07/2010 09:43 am - kerval

On my laptop with Ubuntu 9.10 I also need to replace xf86vm.h by xf86vmode.h, that's strange...

#9 - 06/07/2010 02:23 pm - kerval

Patch "xf86vmode.diff" provided by Krolock on 19/05/2010 10:37 has been applied :) Thanks a lot :)

It fixes NeL compilation problem under Ubuntu 9.10 and before.

#10 - 06/07/2010 02:23 pm - kerval

- File *deleted (xf86vmode.diff)*

#11 - 06/07/2010 04:51 pm - Krolock

After trying to fix this issue, my first idea was to look for both files "xf86vm.h" and "xf86vmode.h", but somebody said, this is not necessary, which resulted in this patch.

I talked to sfb one day after uploading it and he improved it, working with both files (i don't remember the cmake syntax). At the moment, i'm not sure if it works for somebody, who has xf86vm.h .

Looking into the release notes on xorg.freedesktop.org, it is the other way round. xf86vmode.h was renamed into xf86vm.h .

Perhaps, sfb can give some feedback here.

#12 - 06/07/2010 04:56 pm - kerval

Hum, when I compiled today under Ubuntu 9.10, it didn't find xf86vidmode at all, I couldn't launch Ryzom :(

So I don't think it was checking for both of them. Btw on Ubuntu 10.04, it provides both .h

#13 - 06/07/2010 05:05 pm - Krolock

Same here yesterday. I was wondering, because I thought this has been fixed already in a revision containing a patch we have discussed and tested 2 weeks ago. But apparently it's not.

If newer versions of xf86vidmode headers provide both headers, it' ok :) Anyhow it's not worse to check both files, is it?

#14 - 06/07/2010 05:44 pm - kerval

Yes, I think it could be better :)

#15 - 06/09/2010 06:30 pm - Krolock

- File libwww.diff added

some w3c-libwww versions install their header files in a subfolder w3c-libwww. In FIND_PATH(LIBWWW_INCLUDE_DIR) the path_suffixes are done, but the path_suffixes in FIND_PATH(LIBWWW_ADDITIONAL_INCLUDE_DIR) are missing up to now.

The attached patch adds this line into libwww. cmake

#16 - 06/09/2010 06:38 pm - rti

The idea behind LIBWWW_ADDITIONAL_INCLUDE_DIR was a different one. As mentioned in the find script:

```
# when installing libwww on mac os x using macports the file wwwconf.h resides  
# in /opt/local/include and not in the real libwww include dir :/
```

LIBWWW_ADDITIONAL_INCLUDE_DIR was only added to fix finding of wwwconf.h on Mac OS.

Adding path suffixes there would break this again.

@Krolock: what is the issue you wanted to fix with [libwww.diff](#)?

#17 - 06/09/2010 06:48 pm - Krolock

This one :)

```
Make Error: The following variables are used in this project, but they are set to NOTFOUND.  
Please set them or make sure they are set and tested correctly in the CMake files:  
LIBWWW_ADDITIONAL_INCLUDE_DIR  
used as include directory in directory /home/roland/code/ryzom/client/src  
  
-- Configuring incomplete, errors occurred!
```

btw: revision 308 killed dependencies to some needed libs.

```
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTLoadFTP'  
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTNewsList'  
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTLoadGopher'  
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTXML_new'  
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTNewsGroup'  
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTLoadTelnet'  
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTLoadNews'  
/usr/lib/gcc/i586-suse-linux/4.4/../../../../libwwwapp.so: undefined reference to `HTZLib_inflate'
```

#18 - 06/09/2010 07:27 pm - rti

- File deleted (*libwww.diff*)

#19 - 10/16/2010 10:41 am - kervala

- Status changed from *New* to *Assigned*

- Priority changed from *Normal* to *High*

Perhaps should we mark this issue as resolved and create a new one for server ?

#20 - 01/19/2011 03:42 pm - sfb

- Status changed from *Assigned* to *Closed*

- % Done changed from *0* to *100*

Pretty much everything builds via CMake with the exception of some leveledesign tools. We will need to open specific issues for these tools.

Files

<code>cmake_ryzom_default_options.patch</code>	1.9 kB	05/11/2010	jayme
<code>cmake-stuff.diff</code>	7.6 kB	05/11/2010	ratmice