

Ryzom - Feature # 880

Status:	Closed	Priority:	Normal
Author:	kervalva	Category:	Build
Created:	05/11/2010	Assignee:	kervalva
Updated:	07/15/2010	Due date:	
Subject:	Use PCH under Linux with CMake		
Description	<p>PCH are really usefull when compiling huge projects as NeL and Ryzom Core.</p> <p>We should enable them for compiling under Linux with GCC.</p>		

History

#1 - 05/11/2010 02:56 pm - rti

Once I created such a setup. It looked something like this:

```
MACRO(GCC_SETUP_PCH)
  MESSAGE("creating pch.")
  EXEC_PROGRAM(${CMAKE_CXX_COMPILER}
  ARGS /path/to/file/containing/includes.h -g -o pch.h.gch
  ${FOO_DEFINITIONS}
  -I${SOME_INCLUDE_DIRS}
  -I${OTHER_INCLUDE_DIR}
  OUTPUT_VARIABLE CMAKE_C_COMPILER_BUILD_PCH_OUTPUT)
  MESSAGE("${CMAKE_C_COMPILER_BUILD_PCH_OUTPUT}")
ENDMACRO(GCC_SETUP_PCH)
```

Might be a starting point.

#2 - 05/11/2010 02:57 pm - sfb

- Assignee set to sfb

Thanks rti! I think I can make that work for NeL/Ryzom.

#3 - 05/18/2010 10:25 am - vl

- Target version set to Version 0.8.0

#4 - 06/25/2010 08:17 am - kervalva

- Status changed from New to Assigned

- Assignee changed from sfb to kervalva

#5 - 06/25/2010 08:34 am - kervalva

- % Done changed from 0 to 30

Done for NeL libs.

Needs to be done :

- NeL tools
- Ryzom client, servers and tools

#6 - 06/25/2010 09:05 am - kerval

Without PCH activated :

- i386 build of ryzom 0.7.0-r394~lucid0 in ubuntu lucid RELEASE

Build started on 2010-06-22 on nannyberry (virtual) and finished on 2010-06-22 taking 34 minutes

- amd64 build of ryzom 0.6.0-r317~lucid1 in ubuntu lucid RELEASE

Build started on 2010-06-11 on americium (virtual) and finished on 2010-06-11 taking 46 minutes

With PCH activated :

- i386 build of nel 0.7.0-r404~lucid1 in ubuntu lucid RELEASE

Build started 9 hours ago on nannyberry (virtual) and finished 8 hours ago taking 23 minutes

- amd64 build of nel 0.7.0-r404~lucid1 in ubuntu lucid RELEASE

Build started 9 hours ago on americium (virtual) and finished 9 hours ago taking 29 minutes

#7 - 07/10/2010 01:47 pm - kerval

- *Status changed from Assigned to Resolved*

- *% Done changed from 30 to 100*

#8 - 07/15/2010 04:47 pm - kerval

- *Status changed from Resolved to Closed*