

## Ryzom - Bug # 907

<b>Status:</b>	Rejected	<b>Priority:</b>	Normal
<b>Author:</b>	liveriondev	<b>Category:</b>	Build
<b>Created:</b>	05/16/2010	<b>Assignee:</b>	
<b>Updated:</b>	05/23/2010	<b>Due date:</b>	
<b>Subject:</b>	Troubles while compiling the client + minor hints to fix some of them		
<b>Description:</b>	<p>I'm using Debian and I'm following the steps from the page <a href="http://dev.ryzom.com/wiki/ryzom/BuildForLinux">http://dev.ryzom.com/wiki/ryzom/BuildForLinux</a>.</p> <p>When linking the client, I got this message :</p> <pre>/home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnel_drv_opengl.a(driver_opengl.o): In function `NL3D::CDriverGL::getCurrentScreenMode(NL3D::GfxMode&amp;)': driver_opengl.cpp:(.text+0x3b71): undefined reference to `XF86VidModeGetModeLine' /home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnel_drv_opengl.a(driver_opengl.o): In function `NL3D::CDriverGL::getModes(std::vector&lt;NL3D::GfxMode, std::allocator&lt;NL3D::GfxMode&gt; &gt;&amp;)': driver_opengl.cpp:(.text+0x3d31): undefined reference to `XF86VidModeGetAllModelines' /home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnel_drv_opengl.a(driver_opengl.o): In function `NL3D::CDriverGL::release()': driver_opengl.cpp:(.text+0x5c97): undefined reference to `XF86VidModeSwitchToMode' driver_opengl.cpp:(.text+0x5d3d): undefined reference to `XF86VidModeSetViewPort' /home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnel_drv_opengl.a(driver_opengl.o): In function `NL3D::CDriverGL::setDisplay(void*, NL3D::GfxMode const&amp;, bool, bool)': driver_opengl.cpp:(.text+0xa066): undefined reference to `XF86VidModeGetModeLine' driver_opengl.cpp:(.text+0xa092): undefined reference to `XF86VidModeGetViewPort' driver_opengl.cpp:(.text+0xa0b8): undefined reference to `XF86VidModeGetAllModelines' driver_opengl.cpp:(.text+0xa1d2): undefined reference to `XF86VidModeSwitchToMode' driver_opengl.cpp:(.text+0xa27e): undefined reference to `XF86VidModeSetViewPort' /home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnlsnd.a(sound_driver.o): In function `NLSOUND::ISoundDriver::createDriver(NLSOUND::ISoundDriver::IStringMapperProvider*, NLSOUND::ISoundDriver::TDriver)': sound_driver.cpp:(.text+0x261): undefined reference to `NLSOUND::createISoundDriverInstanceFMod(NLSOUND::ISoundDriver::IStringMapperProvider*)' /home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function `NLSOUND::CSoundDriverAL::countMaxEffects()': sound_driver_al.cpp:(.text+0x490): undefined reference to `AIExtEfx' /home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function `NLSOUND::CSoundDriverAL::createReverbEffect()': sound_driver_al.cpp:(.text+0x10c3): undefined reference to `alGenAuxiliaryEffectSlots' sound_driver_al.cpp:(.text+0x10eb): undefined reference to `alGenEffects' sound_driver_al.cpp:(.text+0x1114): undefined reference to `alEffecti' sound_driver_al.cpp:(.text+0x113c): undefined reference to `alAuxiliaryEffectSloti' sound_driver_al.cpp:(.text+0x1158): undefined reference to `alAuxiliaryEffectSloti' sound_driver_al.cpp:(.text+0x1180): undefined reference to `NLSOUND::CStandardReverbEffectAL::CStandardReverbEffectAL(NLSOUND::CSoundDriverAL*, unsigned int, unsigned int)' sound_driver_al.cpp:(.text+0x12fb): undefined reference to `alDeleteAuxiliaryEffectSlots' sound_driver_al.cpp:(.text+0x1383): undefined reference to `alDeleteAuxiliaryEffectSlots' sound_driver_al.cpp:(.text+0x1394): undefined reference to `alDeleteEffects' /home/ocb/prog/ryzom/ryzom/code/ryzom/../../../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function `NLSOUND::CSoundDriverAL::initDevice(std::basic_string&lt;char, std::char_traits&lt;char&gt;, std::allocator&lt;char&gt; &gt; const&amp;, NLSOUND::ISoundDriver::TSoundOptions)':</pre>		

```

sound_driver_al.cpp:(.text+0x16a9): undefined reference to `AIEnumerateAllExt'
sound_driver_al.cpp:(.text+0x1894): undefined reference to `alExtInitDevice'
sound_driver_al.cpp:(.text+0x18bf): undefined reference to `AIExtEfx'
sound_driver_al.cpp:(.text+0x1a5a): undefined reference to `AIExtEfx'
sound_driver_al.cpp:(.text+0x1a6c): undefined reference to `AIExtXRam'
sound_driver_al.cpp:(.text+0x1e12): undefined reference to `AIExtXRam'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::CSoundDriverAL(NLSOUND::ISoundDriver::IStringMapperProvider)':
sound_driver_al.cpp:(.text+0x213c): undefined reference to `alExtInit'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::CSoundDriverAL(NLSOUND::ISoundDriver::IStringMapperProvider)':
sound_driver_al.cpp:(.text+0x22bd): undefined reference to `alExtInit'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::getDevices(std::vector<std::basic_string<char, std::char_traits<char>, std::allocator<char> >,
std::allocator<std::basic_string<char, std::char_traits<char>, std::allocator<char> > >> &):
sound_driver_al.cpp:(.text+0x2fb2): undefined reference to `AIEnumerateAllExt'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::setupEffectFilter()':
source_al.cpp:(.text+0x226): undefined reference to `alFilterf'
source_al.cpp:(.text+0x24c): undefined reference to `alFilterf'
source_al.cpp:(.text+0x2e2): undefined reference to `alFilterf'
source_al.cpp:(.text+0x30a): undefined reference to `alFilterf'
source_al.cpp:(.text+0x358): undefined reference to `alFilterf'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::setEffectFilter(NLSOUND::ISource::TFilter, float, float, float)':
source_al.cpp:(.text+0x3ff): undefined reference to `alFilterf'
source_al.cpp:(.text+0x428): undefined reference to `alFilterf'
source_al.cpp:(.text+0x458): undefined reference to `alFilterf'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::setEffect(NLSOUND::IReverbEffect)':
source_al.cpp:(.text+0x51f): undefined reference to `typeid for NLSOUND::CEffectAL'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::setupDirectFilter()':
source_al.cpp:(.text+0x58a): undefined reference to `alFilterf'
source_al.cpp:(.text+0x616): undefined reference to `alFilterf'
source_al.cpp:(.text+0x63a): undefined reference to `alFilterf'
source_al.cpp:(.text+0x662): undefined reference to `alFilterf'
source_al.cpp:(.text+0x688): undefined reference to `alFilterf'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o):source_al.cpp:(.text+0x6ae):
more undefined references to `alFilterf' follow
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::setDirectFilter(NLSOUND::ISource::TFilter, float, float, float)':
source_al.cpp:(.text+0x74f): undefined reference to `alFilterf'
source_al.cpp:(.text+0x778): undefined reference to `alFilterf'
source_al.cpp:(.text+0x7a8): undefined reference to `alFilterf'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::release()':
source_al.cpp:(.text+0x12cf): undefined reference to `alDeleteFilters'
source_al.cpp:(.text+0x12f8): undefined reference to `alDeleteFilters'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::CSourceAL(NLSOUND::CSoundDriverAL*)':
source_al.cpp:(.text+0x1900): undefined reference to `alGenFilters'
source_al.cpp:(.text+0x191c): undefined reference to `alFilterf'

```

```

source_al.cpp:(.text+0x1938): undefined reference to `alFilterf'
source_al.cpp:(.text+0x1954): undefined reference to `alFilterf'
source_al.cpp:(.text+0x1968): undefined reference to `alGenFilters'
source_al.cpp:(.text+0x1984): undefined reference to `alFilteri'
source_al.cpp:(.text+0x19a0): undefined reference to `alFilterf'
source_al.cpp:(.text+0x19bc): undefined reference to `alFilterf'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::CSourceAL(NLSOUND::CSoundDriverAL*)':
source_al.cpp:(.text+0x1cd0): undefined reference to `alGenFilters'
source_al.cpp:(.text+0x1cec): undefined reference to `alFilteri'
source_al.cpp:(.text+0x1d08): undefined reference to `alFilterf'
source_al.cpp:(.text+0x1d24): undefined reference to `alFilterf'
source_al.cpp:(.text+0x1d38): undefined reference to `alGenFilters'
source_al.cpp:(.text+0x1d54): undefined reference to `alFilteri'
source_al.cpp:(.text+0x1d70): undefined reference to `alFilterf'
source_al.cpp:(.text+0x1d8c): undefined reference to `alFilterf'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::~CSourceAL()':
source_al.cpp:(.text+0x1e78): undefined reference to `alDeleteFilters'
source_al.cpp:(.text+0x1e98): undefined reference to `alDeleteFilters'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::~CSourceAL()':
source_al.cpp:(.text+0x1f90): undefined reference to `alDeleteFilters'
source_al.cpp:(.text+0x1fb0): undefined reference to `alDeleteFilters'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::~CSourceAL()':
source_al.cpp:(.text+0x20a0): undefined reference to `alDeleteFilters'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o):source_al.cpp:(.text+0x20c0):
more undefined references to `alDeleteFilters' follow
collect2: ld returned 1 exit status

```

The XF86\* related failures can be fixed by adding '-IXxf86vm' into the command line.

About the other ones, most of them disappear by using a newer version of OpenAL than the one available in Debian (see <http://www.kcat.strangesoft.net/openal.html#download>, thank you ratmice\_ : )

But the following errors are still remaining and I think they come from the code source itself :

```

/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnelsnd.a(sound_driver.o): In function
`NLSOUND::ISoundDriver::createDriver(NLSOUND::ISoundDriver::IStringMapperProvider*, NLSOUND::ISoundDriver::TDriver)':
sound_driver.cpp:(.text+0x261): undefined reference to
`NLSOUND::createISoundDriverInstanceFMod(NLSOUND::ISoundDriver::IStringMapperProvider*)'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::countMaxEffects()':
sound_driver_al.cpp:(.text+0x490): undefined reference to `AIExtEfx'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::createReverbEffect()':
sound_driver_al.cpp:(.text+0x1180): undefined reference to
`NLSOUND::CStandardReverbEffectAL::CStandardReverbEffectAL(NLSOUND::CSoundDriverAL*, unsigned int, unsigned int)'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::initDevice(std::basic_string<char, std::char_traits<char>, std::allocator<char> > const&,
NLSOUND::ISoundDriver::TSoundOptions)':
sound_driver_al.cpp:(.text+0x16a9): undefined reference to `AIEnumerateAllExt'

```

```
sound_driver_al.cpp:(.text+0x1894): undefined reference to `alExtInitDevice'
sound_driver_al.cpp:(.text+0x18bf): undefined reference to `AIExtEfx'
sound_driver_al.cpp:(.text+0x1a5a): undefined reference to `AIExtEfx'
sound_driver_al.cpp:(.text+0x1a6c): undefined reference to `AIExtXRam'
sound_driver_al.cpp:(.text+0x1e12): undefined reference to `AIExtXRam'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::CSoundDriverAL(NLSOUND::ISoundDriver::IStringMapperProvider*):
sound_driver_al.cpp:(.text+0x213c): undefined reference to `alExtInit'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::CSoundDriverAL(NLSOUND::ISoundDriver::IStringMapperProvider*):
sound_driver_al.cpp:(.text+0x22bd): undefined reference to `alExtInit'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(sound_driver_al.o): In function
`NLSOUND::CSoundDriverAL::getDevices(std::vector<std::basic_string<char, std::char_traits<char>, std::allocator<char> >,
std::allocator<std::basic_string<char, std::char_traits<char>, std::allocator<char> > >> &):
sound_driver_al.cpp:(.text+0x2fb2): undefined reference to `AIEnumerateAllExt'
/home/ocb/prog/ryzom/ryzom/code/ryzom/../../code/install/release/lib/libnel_drv_openal.a(source_al.o): In function
`NLSOUND::CSourceAL::setEffect(NLSOUND::IReverbEffect*):
source_al.cpp:(.text+0x51f): undefined reference to `typeid for NLSOUND::CEffectAL'
collect2: ld returned 1 exit status
```

Any idea to solve this problem ?

## History

### #1 - 05/17/2010 02:10 pm - vl

I don't know what the problem is exactly but I know that if you compile the client with cmake system, you'll not have these errors.

### #2 - 05/17/2010 10:27 pm - liveriondev

Just for information, about packaging NeLNS, I got this message :

CPack: Create package using DEB

CPack: Install projects

CPack: - Run preinstall target for: NeLNS

CPack: - Install project: NeLNS

CMake Error at /home/ocb/prog/ryzom/ryzom/code/nelsn/build/cmake\_install.cmake:36 (FILE):

file problem creating directory: /usr/local/var/log/nelsn

If I create this directory, it builds fine.

### #3 - 05/18/2010 09:37 pm - liveriondev

Ok. Compilation success.

But I have a huge list of "file not found" when running the client. Even with the 7z file downloaded from sf.net :/

The best I can see is a black screen with lots of labels showing an alternative text for each missing picture. Do the advices from <http://dev.ryzom.com/wiki/ryzom/RunClientOnWindows> not apply for Linux ?

**#4 - 05/18/2010 09:58 pm - kerval**

liveriondev wrote:

*Ok. Compilation success.*

*But I have a huge list of "file not found" when running the client. Even with the 7z file downloaded from sf.net :/*

*The best I can see is a black screen with lots of labels showing an alternative text for each missing picture. Do the advices from <http://dev.ryzom.com/wiki/ryzom/RunClientOnWindows> not apply for Linux ?*

Don't worry, even with official client it has a lot of files not found :)

**#5 - 05/18/2010 10:49 pm - liveriondev**

Hmm...

What I wanted to say is that, in my case, I **only** have unclickable alternative labels.

I guess/hope the official client is not that bad !

**#6 - 05/19/2010 10:05 am - kerval**

Sure you have to copy/move your client binary to your game folder otherwise it can't find anything :) Or you can "install" binaries and launch it from your game folder.

Example :

Client is /usr/bin/client and you're in /home/login/games/ryzom\_core, so you just have to type "client".

**#7 - 05/23/2010 06:37 pm - kerval**

- Status changed from New to Rejected