
Subject: Using callable IDL from a Qt application
Posted by [Tiemen](#) on Thu, 14 Feb 2008 09:50:10 GMT
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Hello,

I'm trying to link an existing application with IDL on linux, using libidl.so. I started creating a small testing application and everything went great, I had things up and running quite quickly. However, the existing application uses Qt (www.trolltech.com) for its GUI. I want to keep it that way, so I don't want to use IDLs widgets, I only want IDL to perform some calculations on data provided by the Qt application.

At this point the trouble started.

Compiling/linking of a small example application seems to go fine, but starting the program gives me a lot of

"libpngerror: zlib version error"

After which my Qt GUI appears, but without any icons or graphics (as they are in png format). My best guess is that IDL links with libpng and/or libz statically instead of dynamically, and that therefore the wrong zlib is used. So, the normal thing would be to recompile IDL, but that's a bit hard with commercial software. I've looked into the possibility to recompile Qt with another static zlib, but this gives a lot of problems and no solution yet.

I'm using IDL 7, system zlib version: 1.2.3.

Hope you can help. If you need any more information I will of course be happy to supply. I can supply a simple program which will demonstrate the problem if you wish (needs Qt, and maybe it won't show the problem if your zlib differs or so).

Thanks in advance,

Tiemen

PS Of course I've asked both IDL and Qt for support, but Qt mainly seems to think the problem is at IDL and IDL is quite slow to reply, so I thought about you guys :)
