Compiling Mumble 1.2.1 under Windows   *21 Dec 2010*

This manual is based on the document for installaton of 1.2.2 development head:
100123_BuildingWindows - Mumble 1.2.2.mht

NOTE: the base directory for all dependencies is D:\dev. If you want to use another directory you will have to adapt some makefiles.

Prepare

1. ActivePerl-5.10.1.1006-MSWin32-x86-291086.msi
   nasm-2.07-installer.exe
2. libsndfile-1.0.21-w32-setup.exe
3. libogg is not needed.
4. Microsoft Windows SDK for Windows 7 and .NET Framework 3.5 SP1
5. DXSDK_Aug09.exe
6. mysql-noinstall-5.1.42-win32.zip
7. protobuf-2.2.0.zip
   VS 2008 converts the .sln
   compile for Debug (goes through well)
   comple for Release (gives following errors)

   [FAILED] 1 test, listed below:

   [FAILED] CommandLineInterfaceTest.GeneratorPluginNotFound
   due to German version of error message -> can be ignored
8. vld-1.9h-setup.exe
9. Ice-3.3.1-VC90.msi

Compiling Dependencies

1. boost_1_41_0.7z, boost-jam-3.1.17-1-ntx86.zip
2. Install with the D: drive in the prefix param:
   bjam --toolset=msvc --prefix=D:\dev\Boost install

   During install a warning regarding python will appear
3. WinDBus:

   libxml2-2.6.30-3-lib.zip
   libxml2-2.6.30-3-bin.zip
   iconv-1.13-2-lib.tar.bz2
   iconv-1.13-2-bin.tar.bz2
   zlib-1.2.3-2-lib.zip
   zlib-1.2.3-2-bin.zip
4. cmake-2.6.3-win32-x86.zip

   cmake -DCMAKE_BUILD_TYPE=Release -DDBUS_INSTALL_SYSTEM_LIBS=ON -G "NMake Makefiles" D:\dev\windbus\cmake
5. openssl-1.0.0-beta4.tar.gz
   zlib-1.2.3.tar.gz

OpenSim

6. perl Configure VC-WIN32 --prefix=D:\\dev\\OpenSSL zlib zlib-dynamic enable-static-engine -
   ID:\\dev\\zlib

Qt

7. see file QtConfigure command.txt.

Whisper

8. > cd D:\dev
   > git clone git://github.com/vgaessler/whisper_client.git mumble
9. Pre-build
   > cd mumble

> qmake CONFIG+=no-11x CONFIG+=no-asio CONFIG+=no-g15 CONFIG+=no-bonjour -recursive CONFIG+=no-dbus

if qmake is run for the first time, some warnings will appear.

10. > nmake release

Installing Mumble

The

Inno Setup is used to create the installer. See deployment details in *whisper_installer/Whisper.iss*.

The installer copies the binaries to the application directory of the viewer and replaces SLVoice.exe with mumble.exe. However the original exe is saved.

It is possible to switch between Vivox and Mumble excuting the scripts *use_sl_voice.bat* and *use_whisper_voice.bat.*