

# Building Whisper 0.2.8 under Windows

21 Dec 2010

This manual is based on the document for installaton of mumble 1.2.2:  
*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)  
compile 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  
> git reset --hard 0.2.8

9. Pre-build
  - > cd mumble
  - > qmake CONFIG+=no-11x CONFIG+=no-asio CONFIG+=no-g15 CONFIG+=no-bonjour CONFIG+=no-dbus -recursive
  - 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*.