

Olympus - Let's Go Installation Instructions

Requirements

32-bit PC, Windows XP, 3Gb of RAM, 3 Ghz Multicore / Duo processor, two sound cards or a sound card driver emulator (Like Virtual Audio Cable), 30Gb free of hard disk. Please note that even if you are planning to install on a different partition, Visual Studio requires the "C: drive" to have some free space.

Please note that we don't support Windows XP running on a Mac OS Emulator, or any other version of Windows other than 32-bit Windows XP.

Prerequisites

General instructions for Olympus can be found at

<http://wiki.speech.cs.cmu.edu/olympus/index.php/Download>

In summary, the following list of software needs to be installed:

1. Visual Studio .NET 2005
2. Visual Studio .NET 2005 Service Pack 1 (Team Suite) <http://support.microsoft.com/kb/928957>
3. Cmake (Windows Installer) <http://cmake.org/cmake/resources/software.html>
4. JDK 6 **with NetBeans** <http://java.sun.com/javase/downloads/index.jsp>
5. Perl version **5.8**: <http://www.activestate.com/activeperl/>
6. Microsoft SAPI (Speech SDK 5.1)
<http://www.microsoft.com/downloads/details.aspx?FamilyID=5e86ec97-40a7-453f-b0ee-6583171b4530&displaylang=en>
7. DirectX SDK <http://www.microsoft.com/downloads/details.aspx?FamilyID=b66e14b8-8505-4b17-bf80-edb2df5abad4&displaylang=en#dx>
8. Download Perl database drivers (With Perl **5.8**, this is done by typing in a command prompt:
ppm install <http://dbdpgppm.projects.postgresql.org/DBD-Pg-5.8s.ppd>). Please note that Perl should be installed in a directory name without spaces.

There is a problem with postgres/perl for Windows, that would trigger this error:
Can't load 'C:/Perl/site/lib/auto/DBD/Pg/Pg.dll' for module DBD::Pg: load_file:The specified module could not be found. To fix this, we are distributing perl.exe.manifest, that should be copied to the directory of perl.exe (typically C:\perl\bin)

For more information you can read this thread:

http://pgfoundry.org/forum/forum.php?thread_id=1145&forum_id=739

Downloading Olympus – Let’s Go!

After downloading all the prerequisites, you should reboot your computer and download the source and binaries of Olympus Let’s Go! From:

- http://www.dialrc.org/download/olympus_letsgo.1.0.a.rar

You have to decompress the file in a directory without spaces (ie: C:\challenge), and run the Olympus\OlympusBuild.Bat batch script to get the environmental variables set up. You have to either open a new command prompt, or reboot your computer.

Running the system

You can run the system using a microphone and speakers from:

\Configurations\Desktop\LetsGoPublic.bat

A Voice over IP version is accessible through:

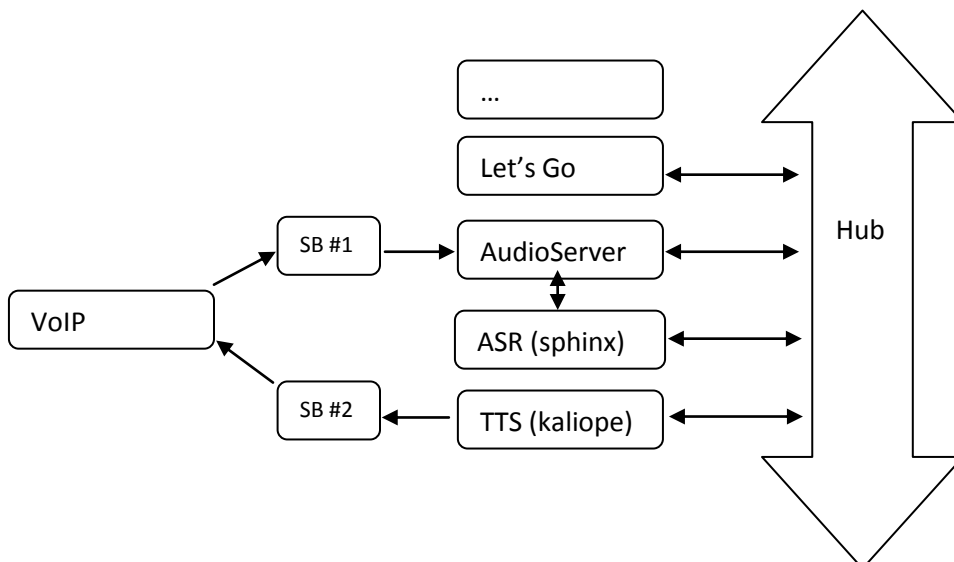
\Configurations\Desktop\LetsGoPublic.bat (faster) or

\Configurations\Desktop\LetsGoPublic-pithya.bat (slower, but more convenient to visualize version)

Configuring your VoIP installation

VoIP Installation

You will either need two sound cards, or install (buy) a sound card simulator driver like Virtual Audio Cable <http://software.muzychenko.net/eng/vac.html> When VoIP is used, the AudioServer and Kalliope need to be configured to read and write from different sound devices, like in the following diagram:



The Configuration\voip directory of Let's Go contains three files that should be adjusted to match the diagram: AudioServer.cfg and Kaliope.cfg should set the device_id property using different sound devices. While voip.cfg should be reading and writing to the appropriate devices. Unfortunately, the VoIP module uses a different numbering convention than the AudioServer and Kaliope. We distribute with the sources, PJSIP's auddemo.exe to help setup VoIP's configuration. The distributed configuration is setup with one (unused) sound board and two virtual Virtual Audio cables to provide VoIP input and output channels.