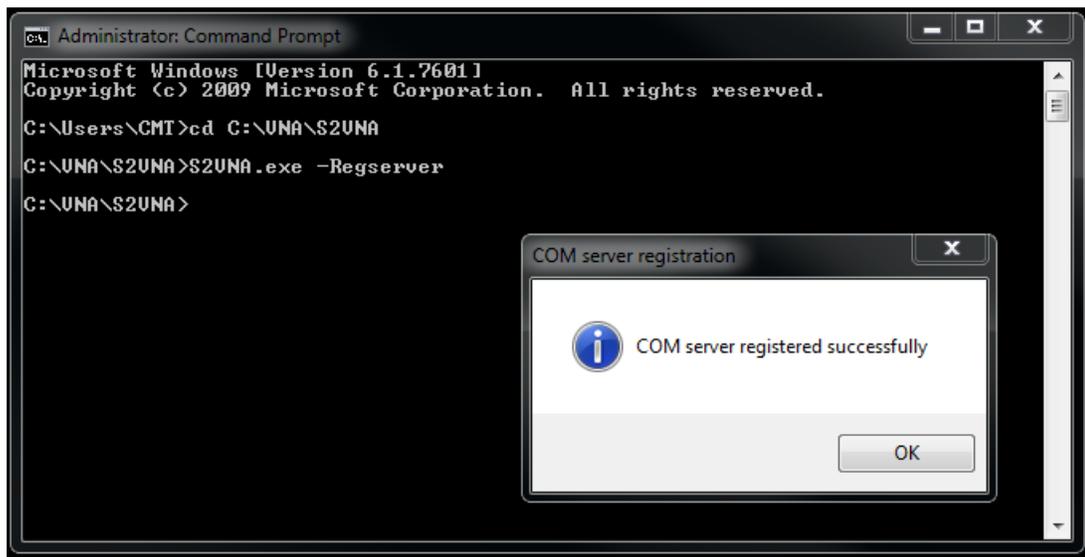


Automating any of Copper Mountain Technology's VNAs in C++ follows a similar structure to the automation procedure for other environments; the key step lies in setting up the COM server connection. The following example is based on Visual Studio 2008, though later versions of Visual Studio involve a similar procedure.

Before starting, install the VNA software application and ensure that the COM server for the VNA you are using is registered during installation. The latest version of the VNA software is always available for download at www.coppermountaintech.com.

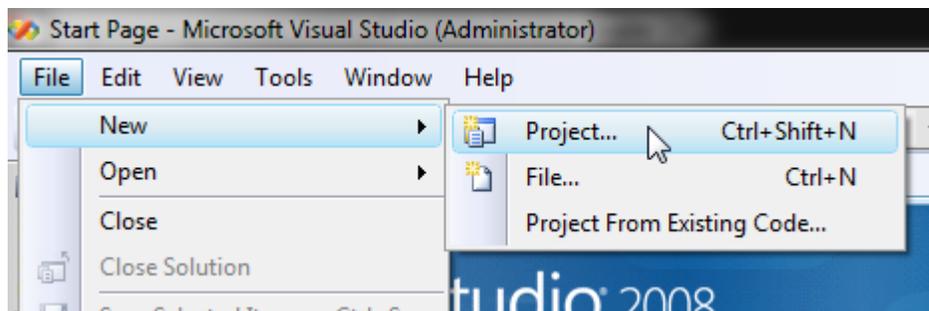
To register the COM server if the VNA software installation has already completed, open up a command prompt and execute the following commands:



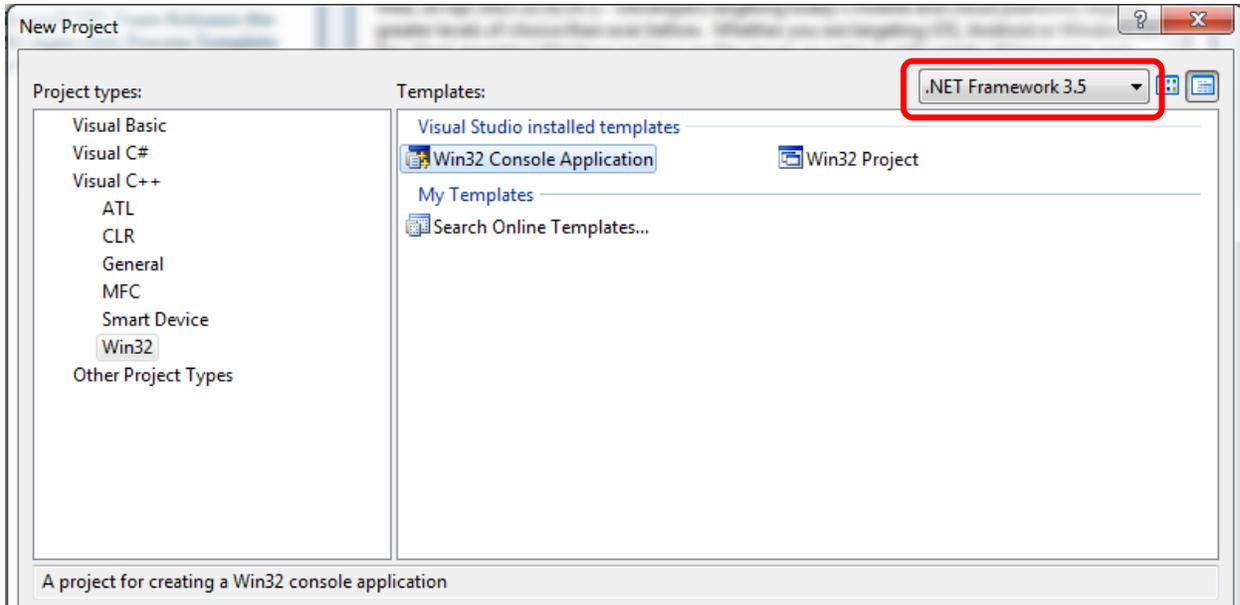
(Note: this path is for the S2VNA. Check the programming manual for specific file paths of other instruments.)

This command will register or re-register the COM server and the confirmation dialogue box will appear. If an error occurs, be sure you have administrator privileges. For assistance, please contact support@coppermountaintech.com.

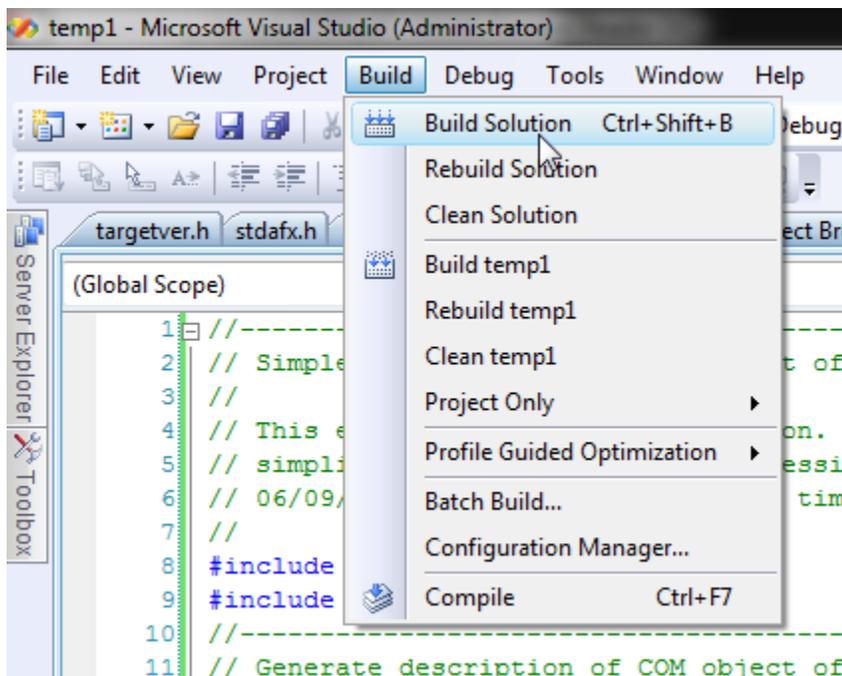
File -> New -> Project



Create a Win32 Console Application (with .NET Framework 3.5 or higher):



After completing the code, click on Build -> Build Solution to compile the program.



After successfully compiling the program, you will find a .exe file in either Debug or Release folder (depending on your settings) ready to be executed.

A C++ project example for automating Copper Mountain Technology's VNAs written using Visual Studio 2008 is included with the installer. The files vna.cpp and stdafx.h can be consulted as a syntax reference.

For additional help, please contact support@coppermountaintech.com and we will be glad to help!