Useful links:

<http://www.v-rep.eu/helpFiles/en/remoteApiClientSide.htm>

<http://www.v-rep.eu/helpFiles/en/remoteApiServerSide.htm>

Need to have:

* Matlab 32 bit (64 will not work)
* V-rep
* C compiler for matlab

Launch Matlab. In matlab console, type ‘mex-setup’. This will help you set up the C-compiler. Copy the following files into your current directory (they are located within the vrep install directory /programming):

* extApi.h
* remoteApi.dll
* simpleTest.m

Run simpleTest.m to ensure that the compiler is working (it will not successfully connect, but will not give you errors). This is the client side set up. Now to set up the server side, open the file remoteApiConnections.txt from the vrep install directory. Add the lines:

portIndex1\_port = 19999

portIndex1\_debug = false

portIndex1\_syncSimTrigger = true

Now launch vrep. Return to matlab and run simpleTest.m again. This time it should connect and tell you how many objects are in the scene. Now the server and client side are set up. Enjoy!