

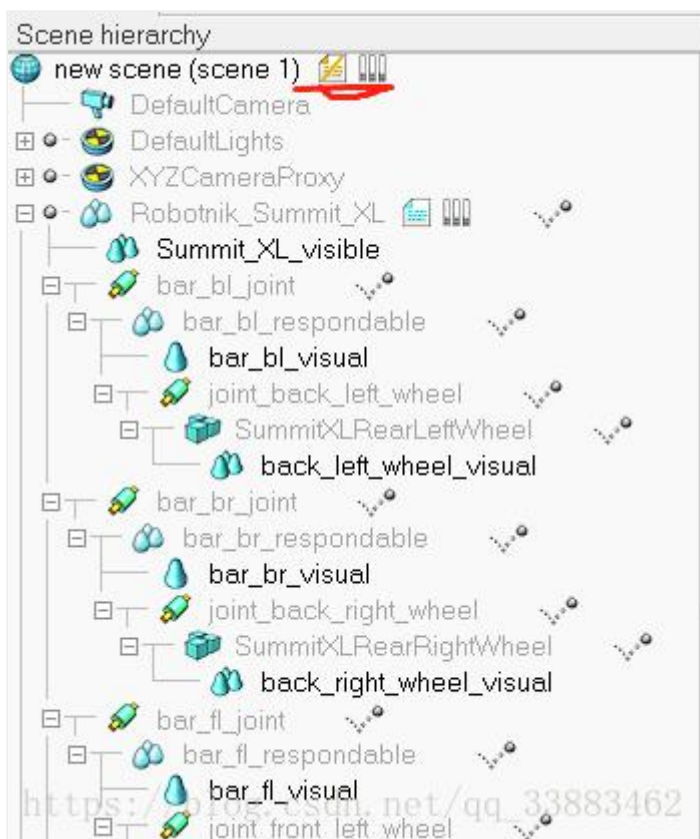
## Introduction to v-rep (1) remote api python

tags: [v-rep](#) [remote api](#)

v-rep can use Python programming operation, but only need to establish a connection with the v-rep server. The python program is equivalent to a client.

The specific operation is,

Server settings:



Double-click mainscript and add a sentence `simRemoteApi.start(19999)` to monitor the port.

TOP

```
1 function sysCall_init()  
2     sim.handleSimulationStart()  
3     sim.openModule(sim.handle_all)  
4     sim.handleGraph(sim.handle_all_except_explicit,0)  
5     simRemoteApi.start(19999)  
6 end
```

Python file as a client, the following is a demo file, test.py

```
1 #-*- coding:utf-8 -*-  
2 import vrep  
3  
4 vrep.simxFinish(-1) # close the previous connection  
5 clientId = vrep.simxStart("127.0.0.1", 19999, True, True, 5000, 5) #establish a c  
6 if clientId != -1: #Connect successfully  
7     print('connect successfully')  
8 else:  
9     print('connect failed')  
10 vrep.simxFinish(clientId)  
11 print('program ended')
```

It should be noted that you need to copy vrep.py, vrepConst.py, remoteApi.dll, remoteApi.dylib or remoteApi.so from the V-REP3\V-REP\_PRO\_EDU\programming\remoteApiBindings\python\python directory to the test.py directory Next, then run test.py

result:

connect successfully

program ended

Indicates a successful connection.

More API usage can refer to <http://www.coppeliarobotics.com/helpFiles/index.html>