

Execute following commands on Visual Studio command prompt:

1) Compile and link your Automation Server CPP file:

Compile:

```
cl.exe /c /EHsc AutomationServerWithRegFile.cpp
```

Link:

```
link.exe AutomationServerWithRegFile.obj user32.lib gdi32.lib oleaut32.lib /DLL  
/DEF:AutomationServerWithRegFile.def /SUBSYSTEM:WINDOWS
```

2) Create your IDL file and compile it with MIDL:

MIDL:

```
midl /h AutomationProxyStubHeader.h /iid AutomationProxyStubGuids.c /dlldata  
AutomationProxyStubDllData.c /proxy AutomationProxyStub.c AutomationServerTypeLib.idl  
This will generate 3 .c files, 1.h file and 1 Type library(.tlb) file.
```

3) Create Automation Server Proxy Stub DLL:

Use output of above MIDL command(3 .c files, 1 .h file) and create a .def file with 5 functions exported as instructed by sir.

Compile:

```
cl.exe /c /EHsc AutomationProxyStub.c AutomationProxyStubDllData.c  
AutomationProxyStubGuids.c /D "REGISTER_PROXY_DLL" /D "WIN32"  
Note: /D switch for Preprocessor definition macros
```

Link:

```
link.exe AutomationProxyStub.obj AutomationProxyStubDllData.obj  
AutomationProxyStubGuids.obj user32.lib gdi32.lib oleaut32.lib rpcns4.lib rpcrt4.lib  
/DLL /DEF:AutomationServerTypeLibDll.def /SUBSYSTEM:WINDOWS  
Note: extra lib files oleaut32.lib rpcns4.lib rpcrt4.lib
```

Single command to compile and link:

```
cl.exe /EHsc AutomationProxyStub.c AutomationProxyStubDllData.c  
AutomationProxyStubGuids.c /D "REGISTER_PROXY_DLL" /D "WIN32" /link user32.lib gdi32.lib  
oleaut32.lib rpcns4.lib rpcrt4.lib /DLL /OUT:"AutomationServerTypeLibDll.dll"  
/DEF:AutomationServerTypeLibDll.def /SUBSYSTEM:WINDOWS
```

Refer sir's instructions for VB and C# clients. Following are the same commands given by sir. They are just added here for quick reference.

i) Import Type Library to create DLL for .net clients:

```
tlbimp C:\windows\system32\AutomationServerTypeLib.tlb  
/out:.\AutomationServerTypeLibForDotNet.dll
```

ii) Compile and link VB Client:

```
vbc.exe /t:winexe /r:Microsoft.VisualBasic.dll  
/r:AutomationServerTypeLibForDotNet.dll VBAutomation.vb
```

iii) Compile and link C# client:

Use same DLL(generated in Type Library import) for C# also.

```
csc.exe /r:AutomationServerTypeLibForDotNet.dll CSharpAutomation.cs
```