

# Using the SKM Samples to create a web service that generates license keys using Serial Key Maker.

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*Note: You must own the professional version of Serial Key Maker to use this feature of Serial Key Maker.*

Purchase here: <https://sites.fastspring.com/serialkeymaker/instant/serialkeymakerpro>

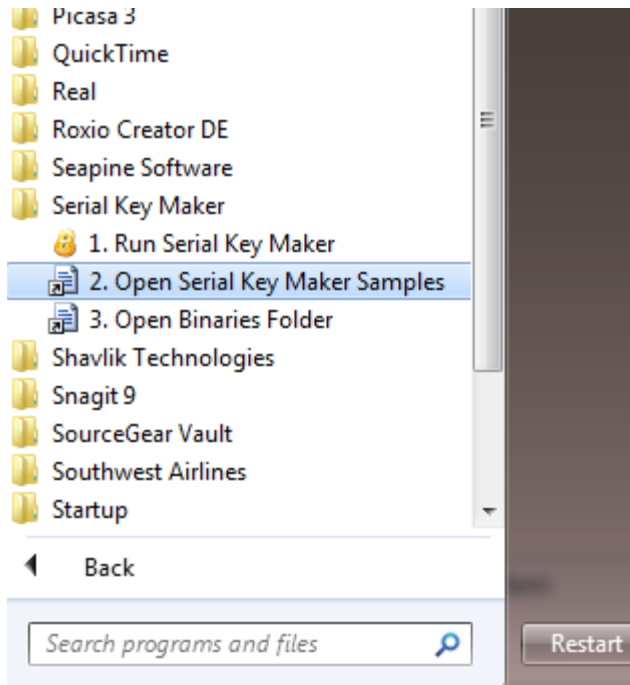
This walkthrough refers to version 4.0.0.2 and above of Serial Key Maker.

## **Abstract:**

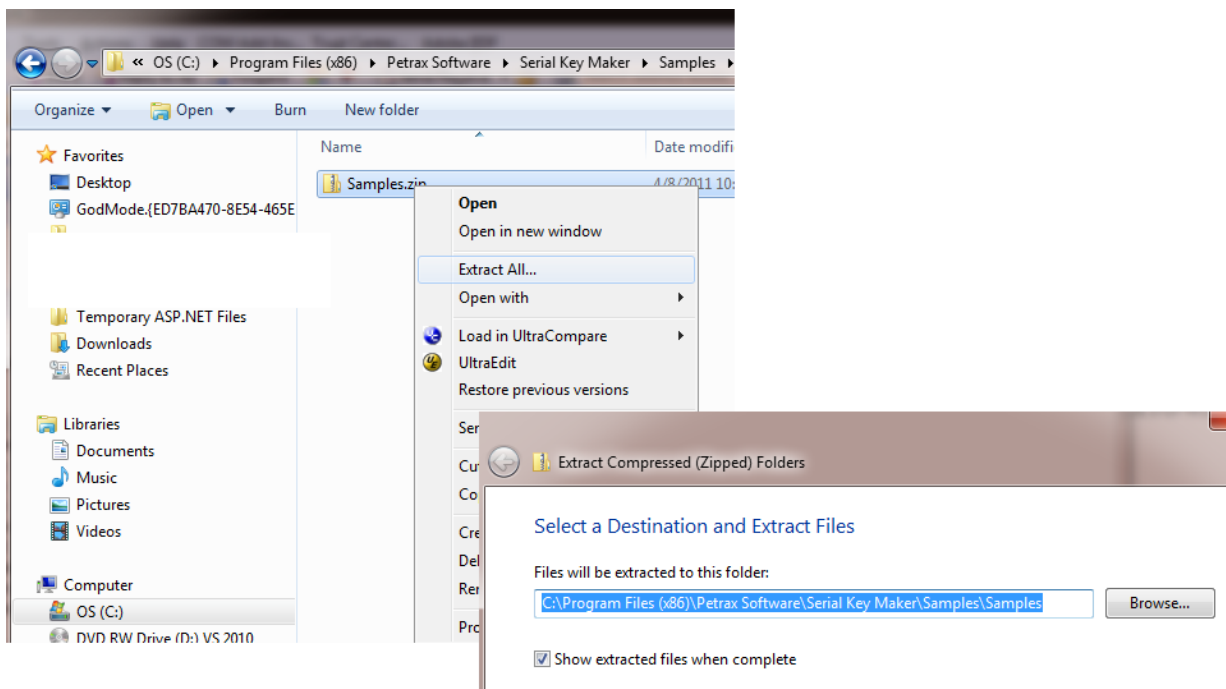
**To use the Serial Key Maker extension API in a web service to programatically generate license keys, you need to modify your web.config file to tell the API that you are a registered user of the PRO version of Serial key Maker. You use the SKM user interface to generate the encrypted license key you were given when purchasing SKM, and then add this to your web service web.config**

## Steps

1. Open and Extract the samples included with the installation program:



2. Extract to the default location.



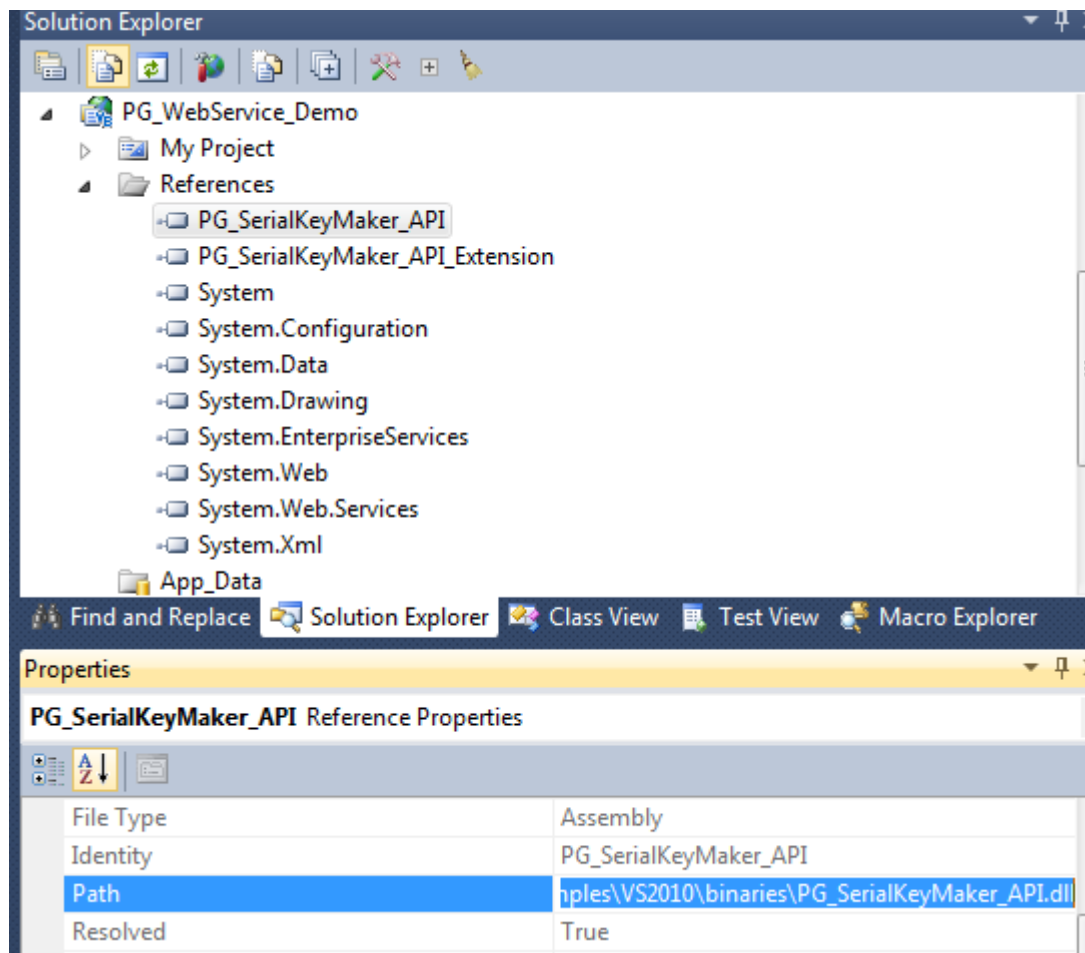
3. Open the VS2010 Samples, and then the "Example Generating License Keys" folder. Open the "PG\_WebService\_Demo.sln" solution.

### There are some things you need to do before the sample will run

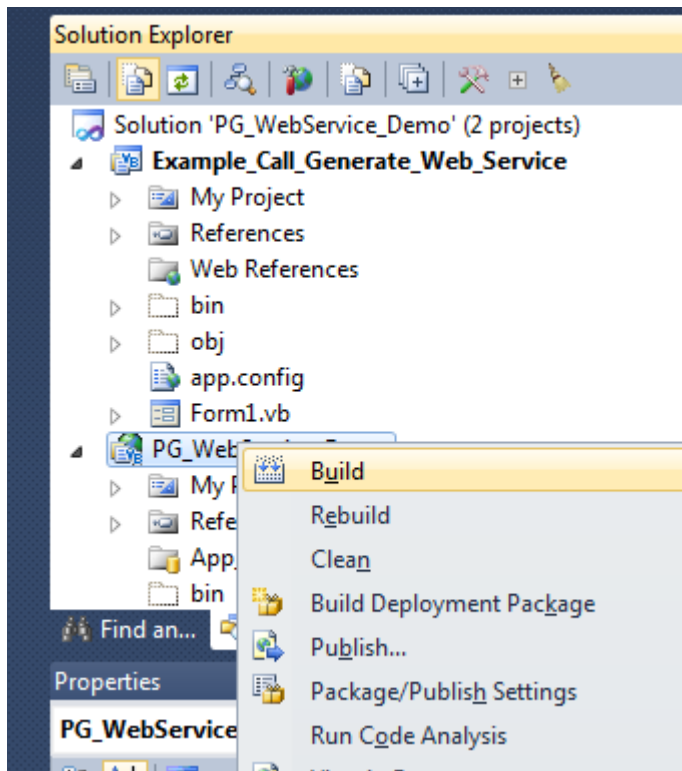
4. Make sure the web service project has references to the Serial Key Maker API DLL's. It should reference the following two DLL's in the **Samples\binaries** folder

\Samples\VS2010\binaries\PG\_SerialKeyMaker\_API.dll

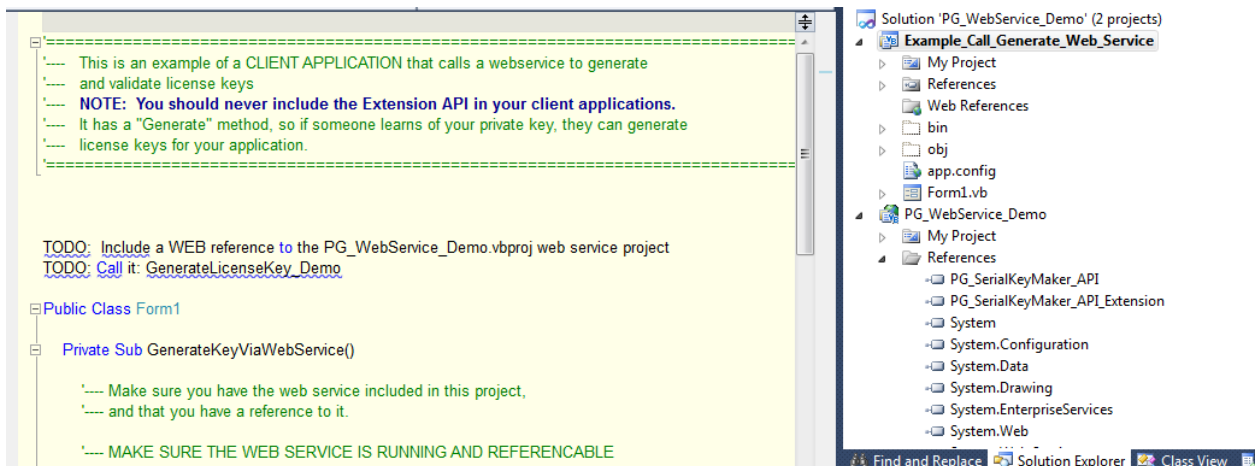
\Samples\VS2010\binaries\PG\_SerialKeyMaker\_API\_Extension.dll



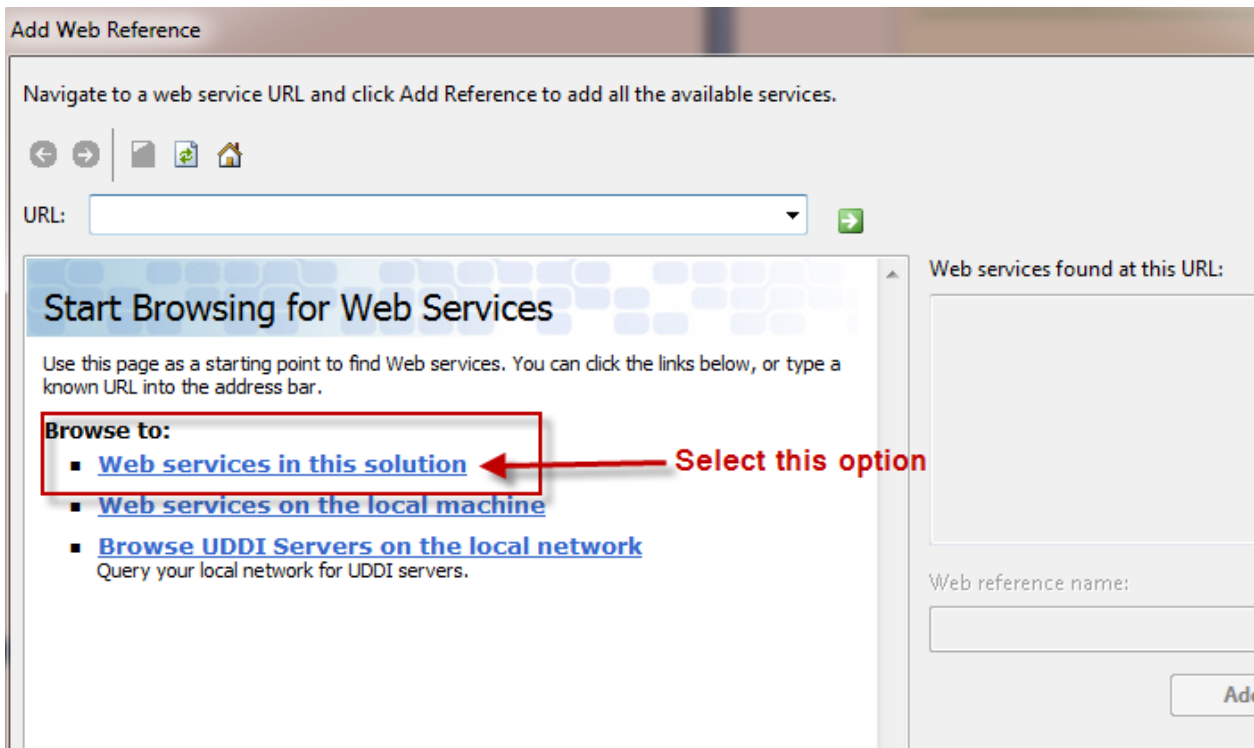
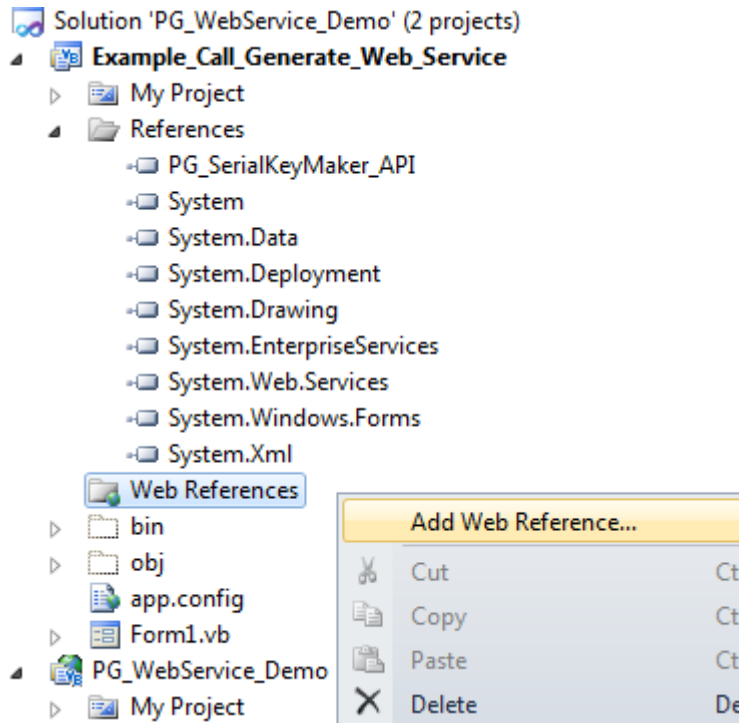
5. First, **build** the web service project so that it is locally compiled.

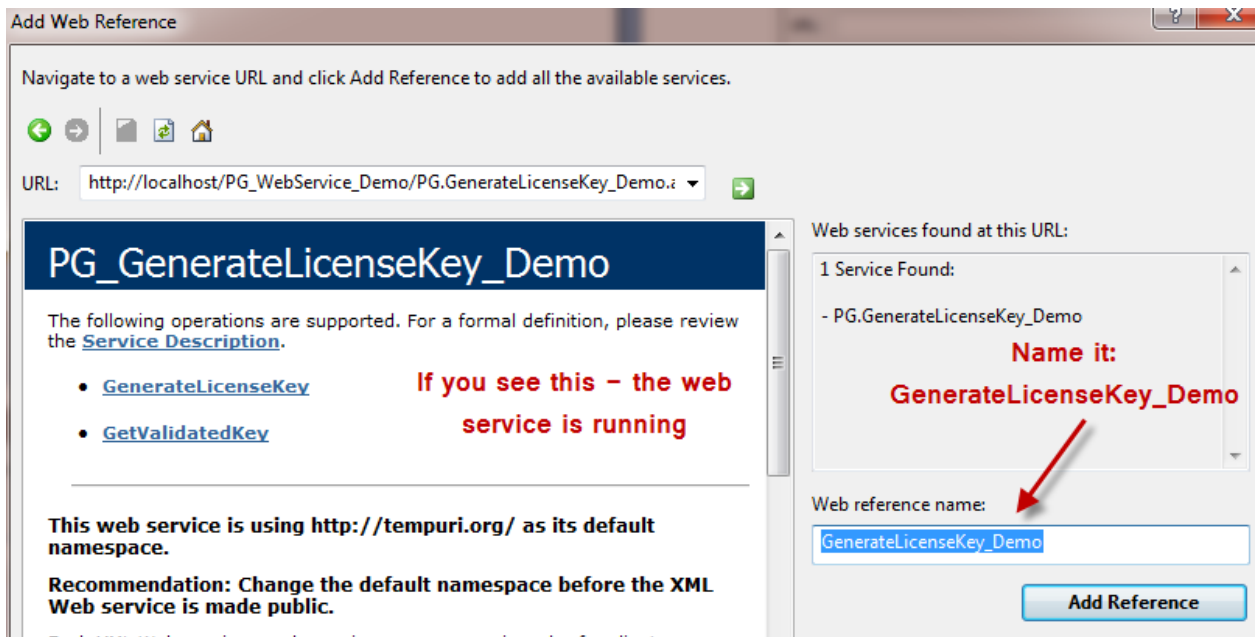
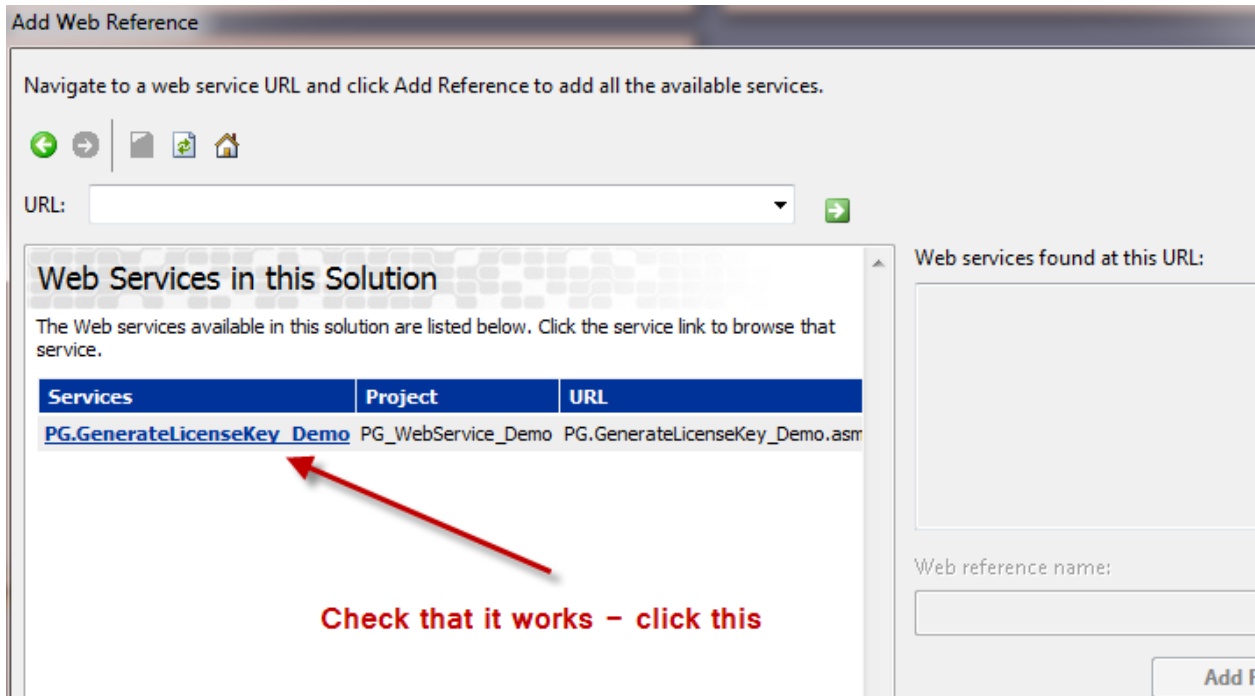


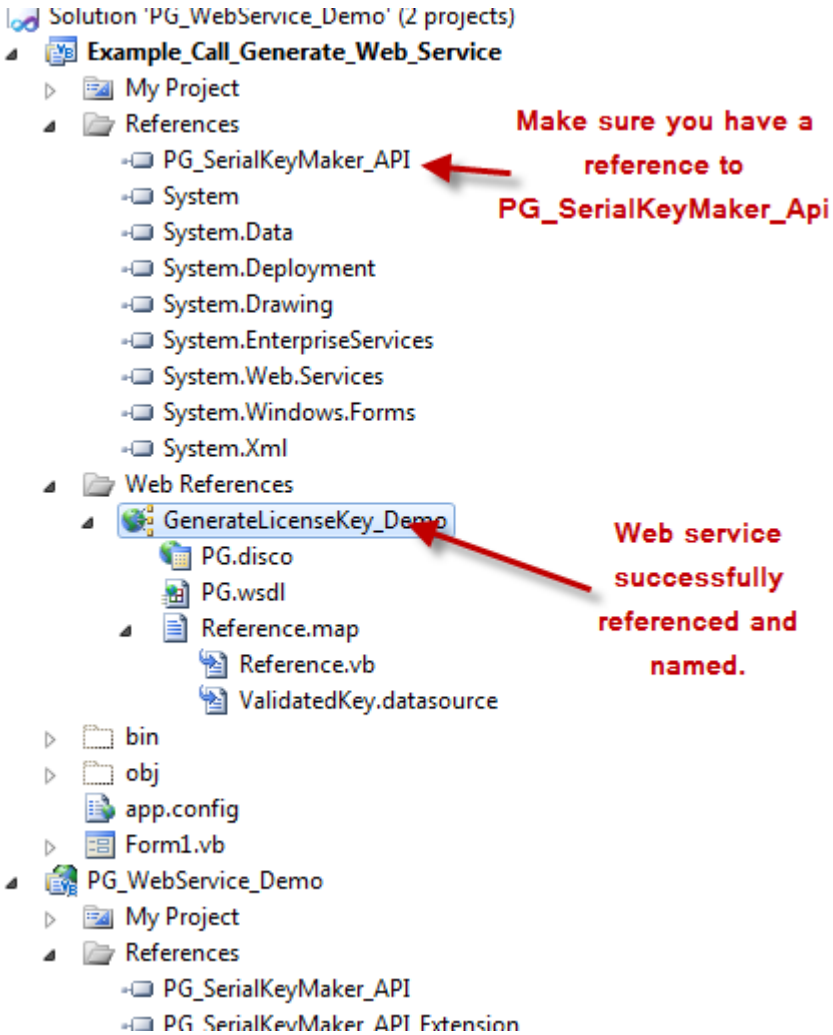
6. Now, in the "Example\_Call\_Generate\_Web\_Service.vbproj" project, open the code behind of Form1.vb. Note there are two "TODO" statements.



7. Add a project reference to the web service project

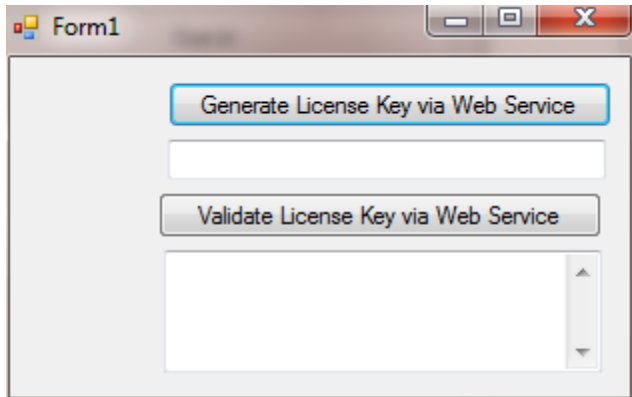




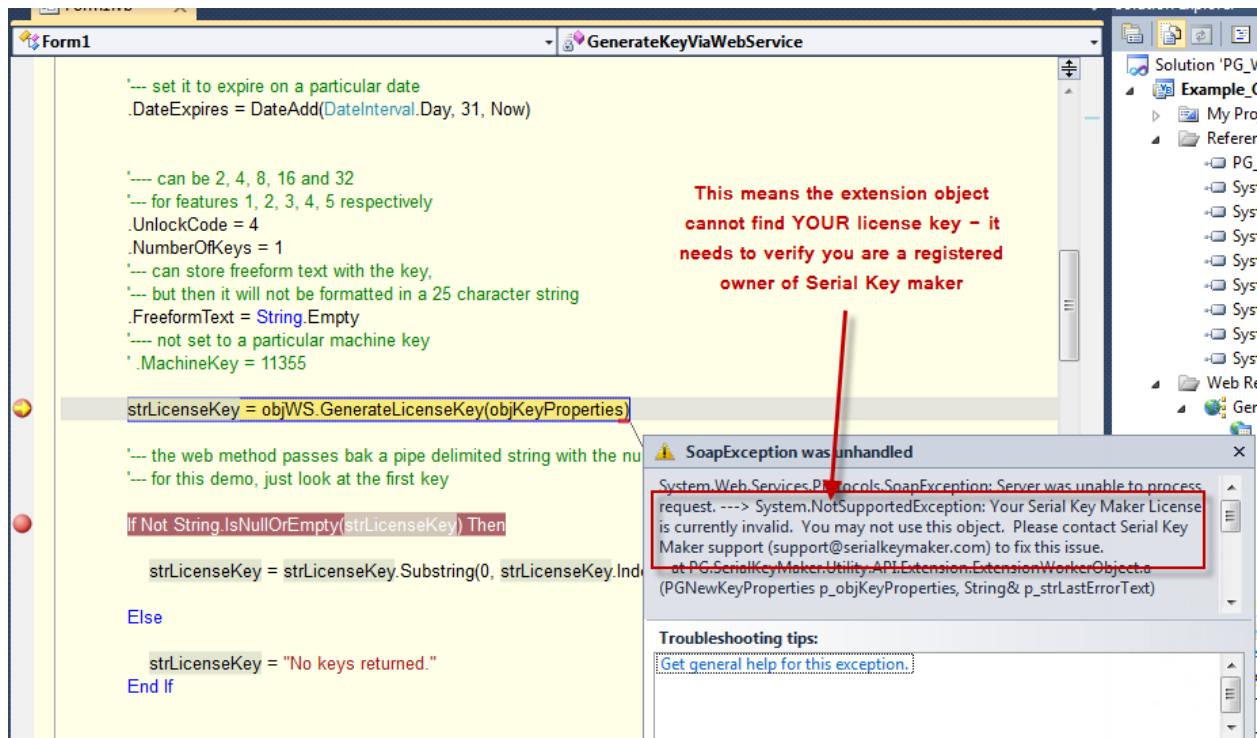


8. Delete the two "TODO" statements.

9. Make the "Example\_Call\_Generate\_Web\_Service.vbproj" the startup project, and run it.

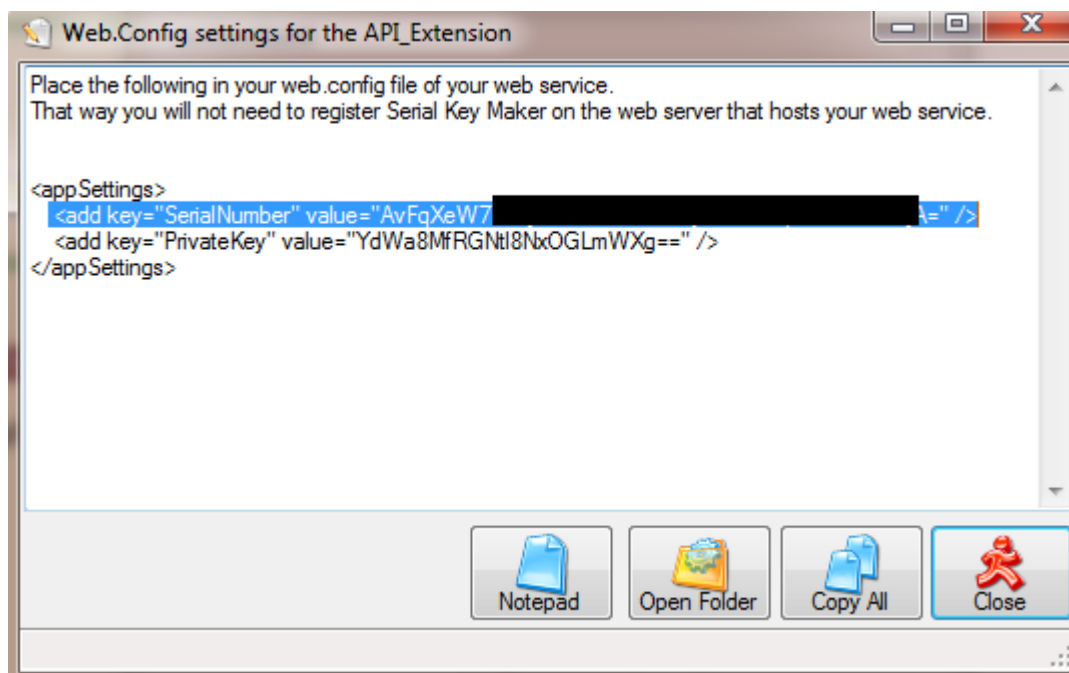
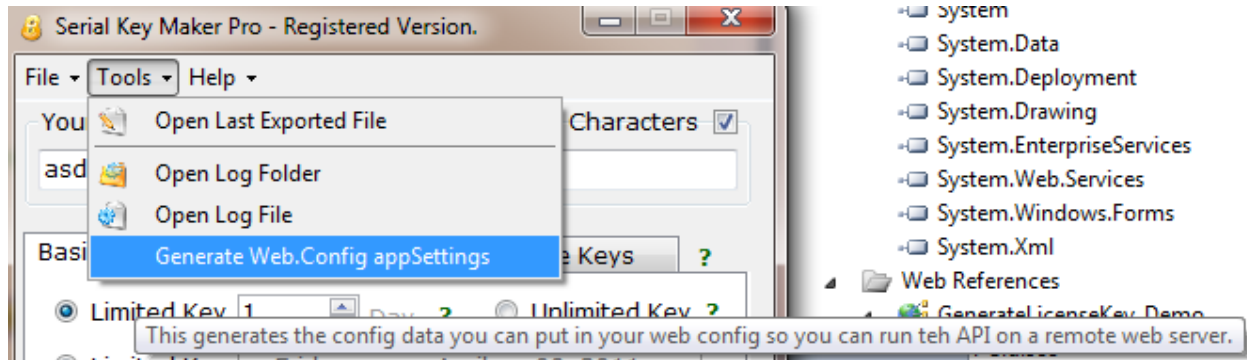


10. Click the "Generate License Key via Web Service" button. The code will fail with this exception:



You will need to modify your web service to add a config file entry for your registered license key.

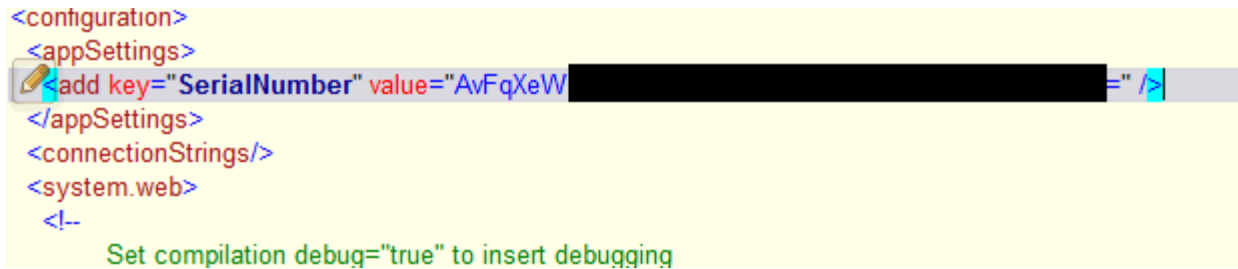
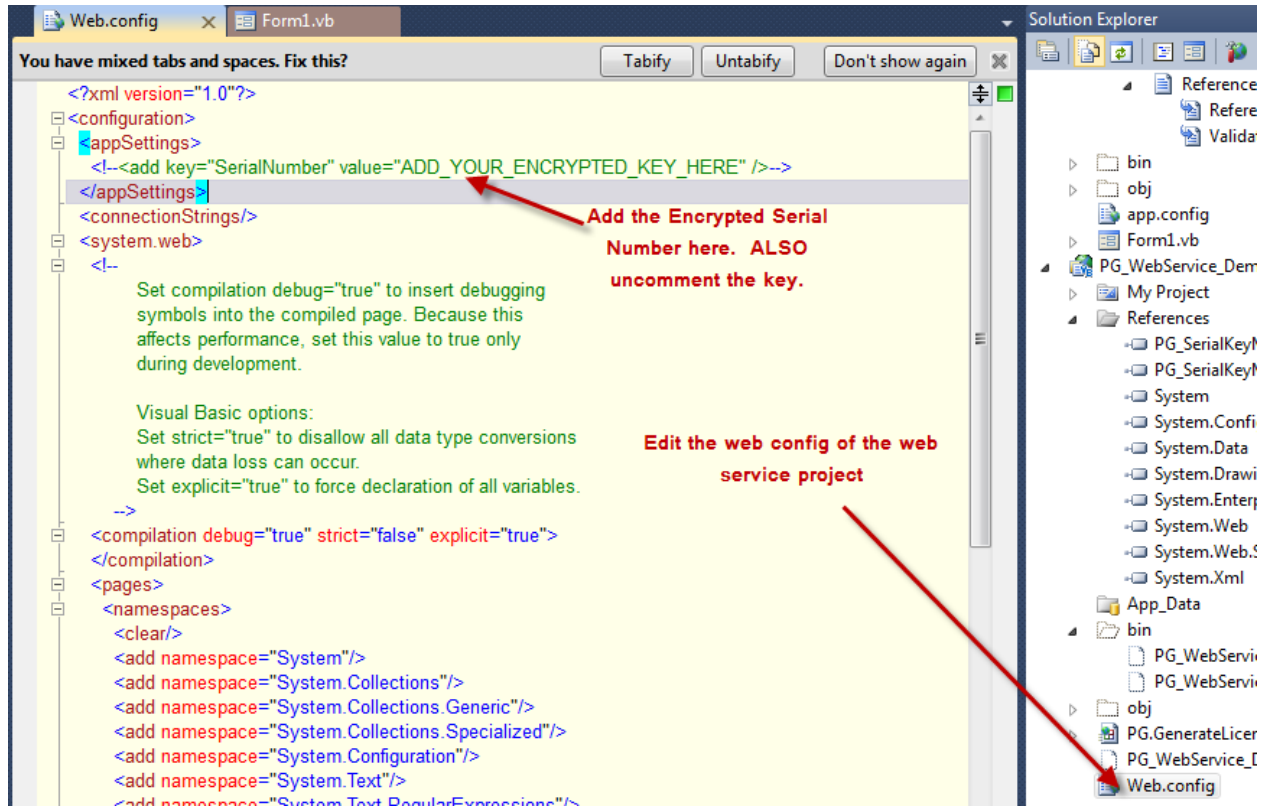
11. Open the Serial Key Maker user interface. From the Tools menu, click the "Generate Web.Config appSettings" menu option.



12. Select and copy the "SerialNumber" add key item.

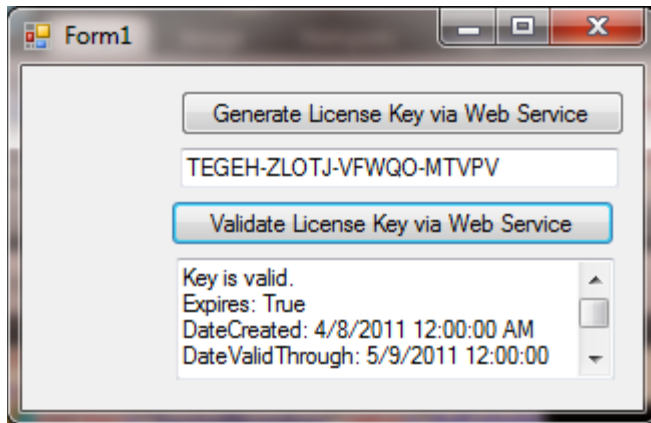
13. Stop the Example app, and open the Web.Config of the Web service project.

14. Edit the config file to add the encrypted license key.



15. Now run the project again, and click on the "Generate License Key via Web Service" button. It should produce a key.

16. Click on the "Validate button". It will make another web service call and validate the key in the box above.



17. Now you can deploy and reference your web service on the production web server.

Notes:

- You must have the pro-version of Serial Key Maker 4.0.0.2 (9612) and higher (purchase here: <https://sites.fastspring.com/serialkeymaker/instant/serialkeymakerpro> )
- Make sure both project correctly reference the SKM DLL's
- DO NOT reference the " PG\_SerialKeyMaker\_API\_Extension" in your CLIENT application. It should only be referenced from your web service.
- Make sure the web service works before referencing it from your client application