Building SpaceClaim Sample Add-Ins
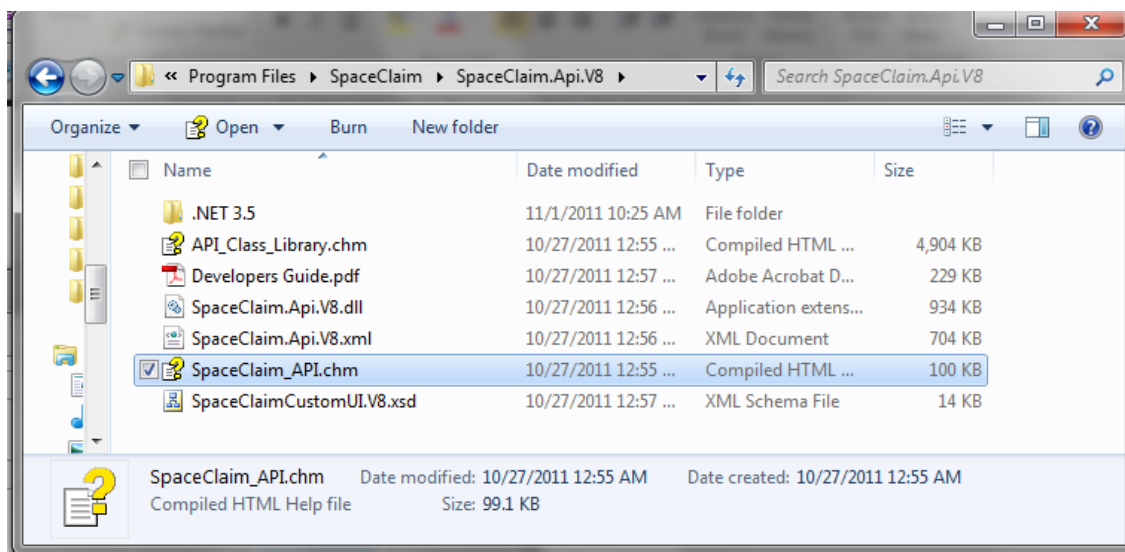
API V18 Final

June 3, 2019
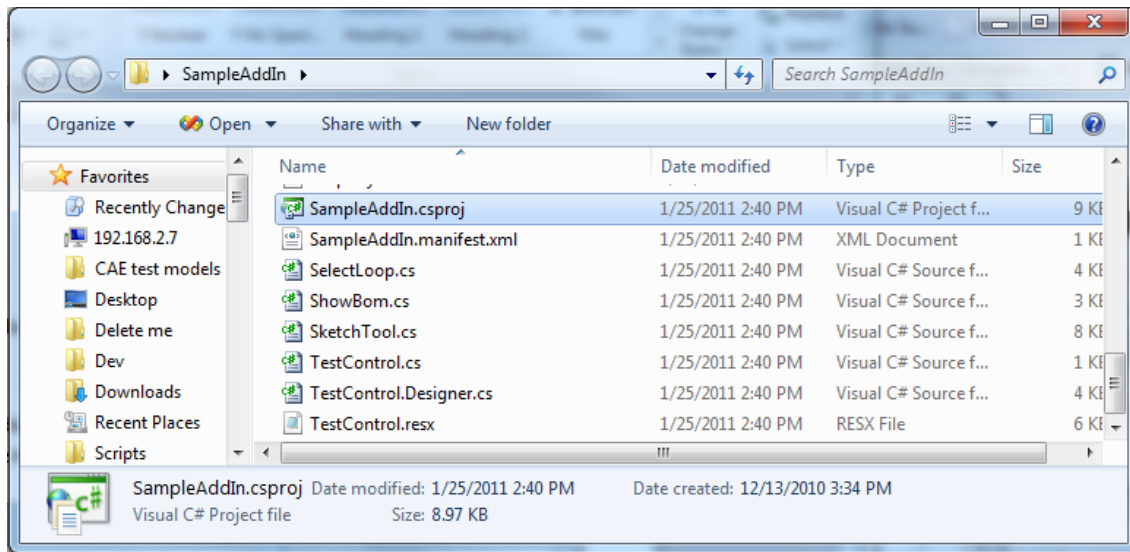
These instructions are for SpaceClaim API V18, even though some of the screenshots are from earlier versions of the API.
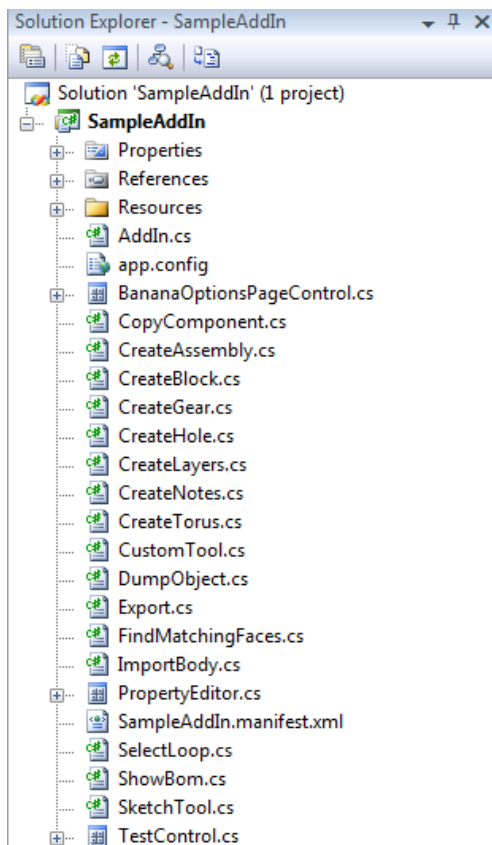
Instructions

1. Open the **SpaceClaim_API.chm** help file in the **SpaceClaim.Api.V18** folder inside the SpaceClaim installation folder:
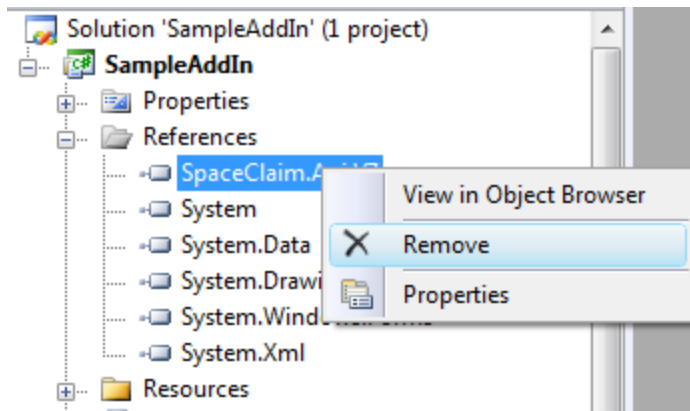

2. Go to the **Examples** page of the help file and download and unzip the sample add-in folder.

3. If necessary, download and install Visual Studio 2010 or later.

4. Open the sample add-in project file using Visual Studio. For a C# project, this is called **SampleAddIn.csproj**.
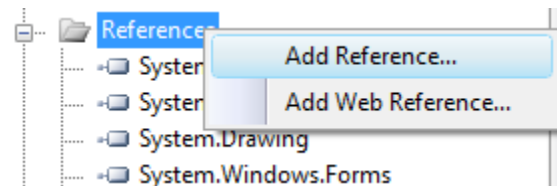
5. The project will be loaded in Visual Studio and the **Solution Explorer** will show something like this:
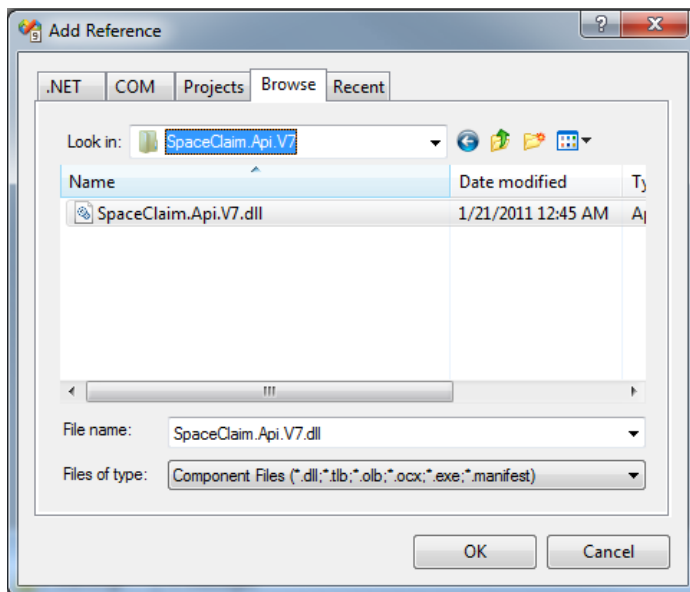

6. Expand the **References** node, then right-click on the **SpaceClaim.Api.V18** reference and select **Remove**.
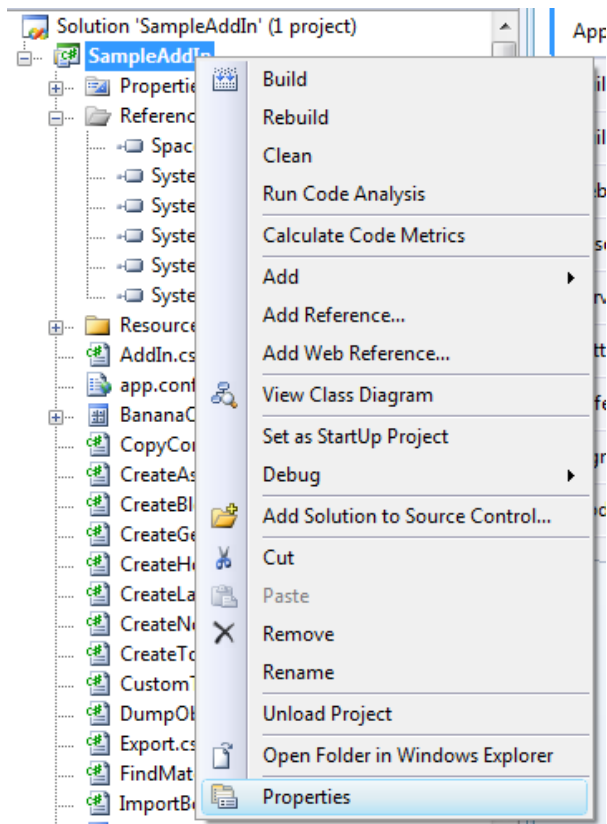
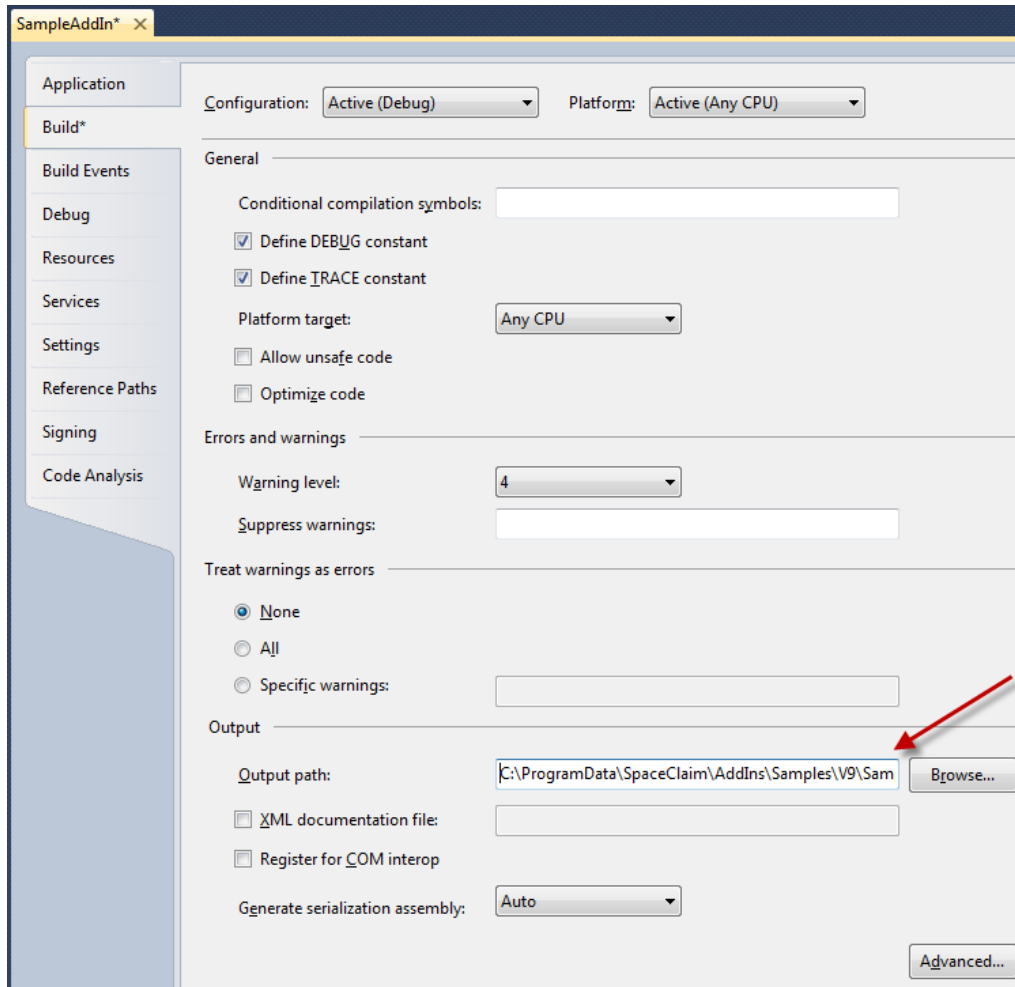7. Right-click the **References** node and select **Add Reference**.

8. Go to the **Browse** tab and navigate to the **SpaceClaim.Api.V18** folder inside the SpaceClaim installation folder. Select the **SpaceClaim.Api.V18.dll** assembly and then click **OK**.

9. Right-click on the sample add-in project node in the **Solution Explorer** and choose **Properties**.

Solution 'SampleAddIn' (1 project)

SampleAddIn

- Properties
- References
  - Spac
  - Syste
  - Syste
  - Syste
  - Syste
  - Syste
- Resource
- AddIn.cs
- app.conf
- BananaC
- CopyCor
- CreateAs
- CreateBl
- CreateGe
- CreateHe
- CreateLa
- CreateN
- CreateTo
- CustomT
- DumpOl
- Export.cs
- FindMat
- ImportB

	Build
	Rebuild
	Clean
	Run Code Analysis
	Calculate Code Metrics
	Add ▶
	Add Reference...
	Add Web Reference...
	View Class Diagram
	Set as StartUp Project
	Debug ▶
	Add Solution to Source Control...
	Cut
	Paste
	Remove
	Rename
	Unload Project
	Open Folder in Windows Explorer
	Properties

10. Go to the **Build** page:
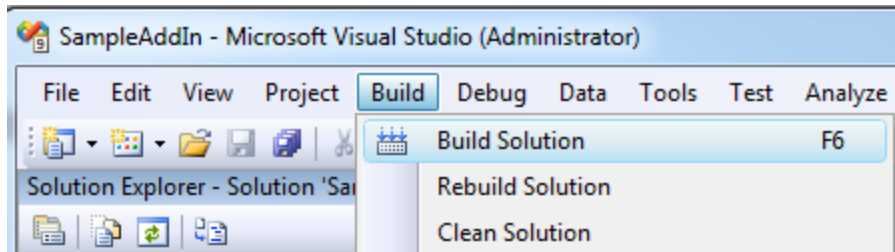
11. In the **Output path** field, enter the following path if it is not already set.

    C:\ProgramData\SpaceClaim\AddIns\Samples\V18\<SampleAddIn>\
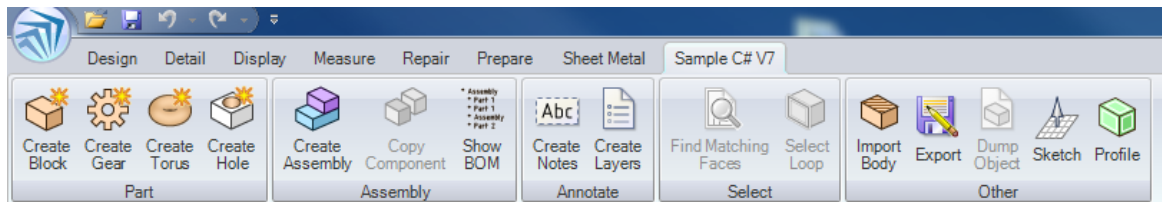
    where **<SampleAddIn>** is the name of the sample add-in project. For the C# sample, this is simply "SampleAddIn", so the path would be:

    C:\ProgramData\SpaceClaim\AddIns\Samples\V18\SampleAddIn\

12. Click the **Build** menu in Visual Studio and select **Build Solution**. Visual Studio will ask you for a location to save the solution file. Choose a location or accept the default location offered.
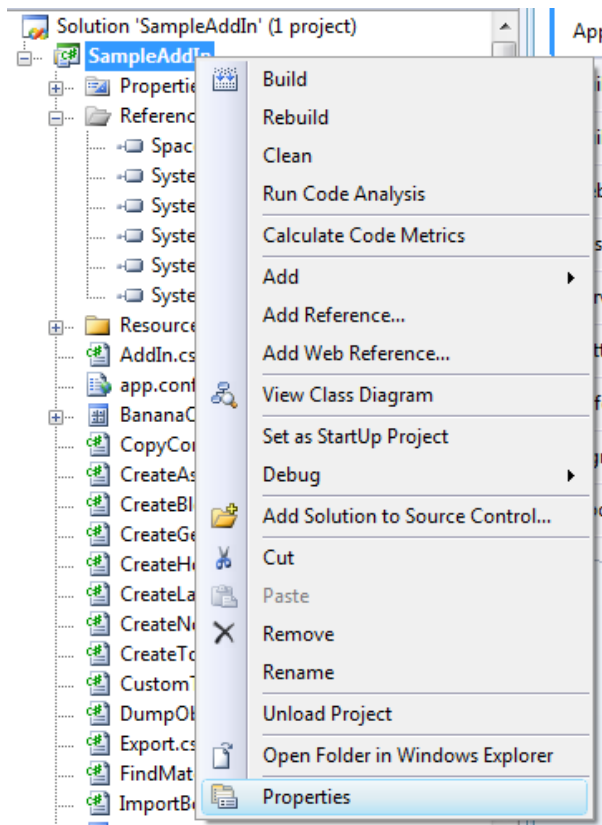
13. Start SpaceClaim. The **Sample C# V18** ribbon tab (assuming this is the C# sample) should appear in SpaceClaim with a number of button on it:
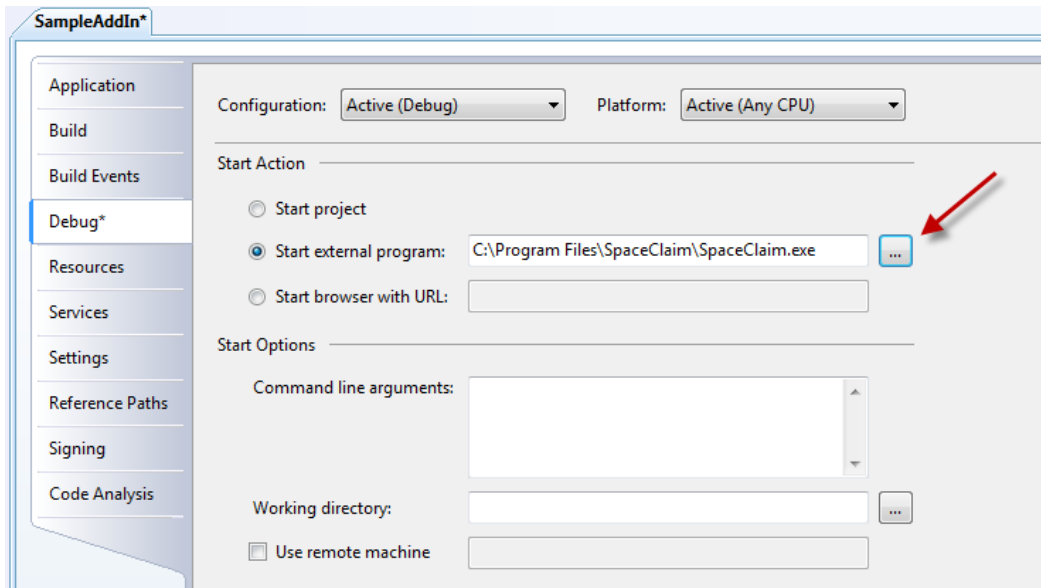
Optional – Debugging

If you want to attach a debugging session to SpaceClaim so that you can debug changes to code in the add-in, take the following actions:
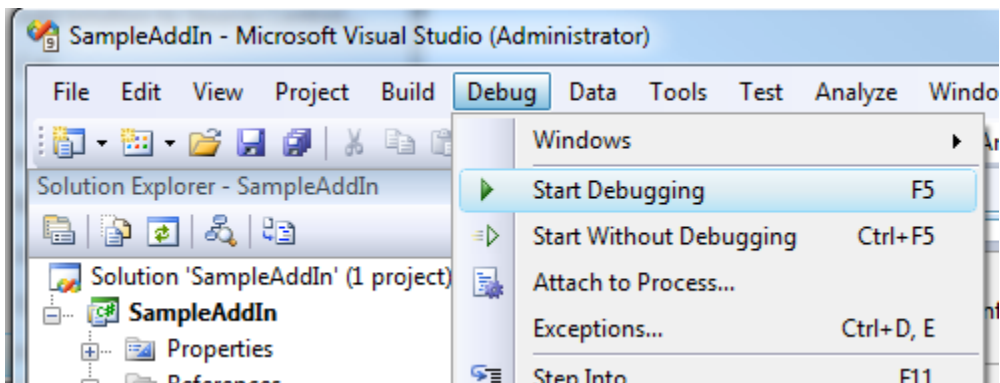
1. Right-click on the sample add-in project node in the **Solution Explorer** and choose **Properties**.

2. Go to the **Debug** page and select the **Start external program** radio button. Then browse to the location of the SpaceClaim executable, which is in the SpaceClaim installation folder:

3. Select the **Debug** menu in Visual Studio and choose **Start Debugging**.

4. SpaceClaim should start and Visual Studio should be attached to the SpaceClaim process, so that any breakpoints you place in the add-in code will now be hit.