

PDSA .NET Productivity Framework – Deployment Manual

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Deployment Guide

This manual will help you deploy the application you develop with the PDSA .NET Productivity Framework. There are three basic steps to deploying a PDSA-developed Framework application.

1. Create your application
2. Create a PDSA Runtime License
3. Distribute as you would any other .NET Framework application

Runtime License Creator Utility

In order to distribute an application that you build with the PDSA .NET Productivity Framework you will need to create a “Runtime License”. This runtime license needs to be distributed as a stand-alone file that goes into the root folder of your web application. This chapter describes how to create a runtime license using the Runtime License Creator.

Open the PDSA Framework Utilities select **Runtime License**.

When the utility appears, it will look like Figure 1.

The screenshot shows the 'Runtime License Creator' application window. At the top, there is a title bar with the text 'Runtime License Creator' and a help icon (a question mark in a square). Below the title bar, a subtitle reads: 'This utility will generate a runtime license file that you need to include with your application in order for your application to be distributed.' The main area contains several input fields and buttons:

- Assembly Name:** A text box containing 'MyApplication'.
- Guid:** A text box containing '47352889-e699-403d-9593-42bb324772bb' and a button labeled 'Get AssemblyInfo File' to its right.
- Application Type:** A dropdown menu currently showing 'WPF'.
- License Path/File Name:** A text box containing 'D:\Samples\MyApplication.lic' and a browse button (three dots) to its right.
- Write License File:** A button located below the license path field.
- License Text:** An empty text box.
- Messages:** A large empty rectangular area at the bottom of the window, intended for displaying messages.

Figure 1: Create a runtime license from the Assembly Name and the GUID of the assembly for your application.

You are going to need the assembly name of your application, the application Guid of your application, and the type of the application. All of these values will be hashed together to create a unique license key that can only be used by your final assembly. No other assembly will be able to use this unique key. This protects our DLLs from being used by anyone else, and can protect your application as well.

Get the Assembly Name

The Assembly name you need is the EXE of your application or the DLL of your web application.

To retrieve the Assembly name open the Project Properties of your application as shown in Figure 2.

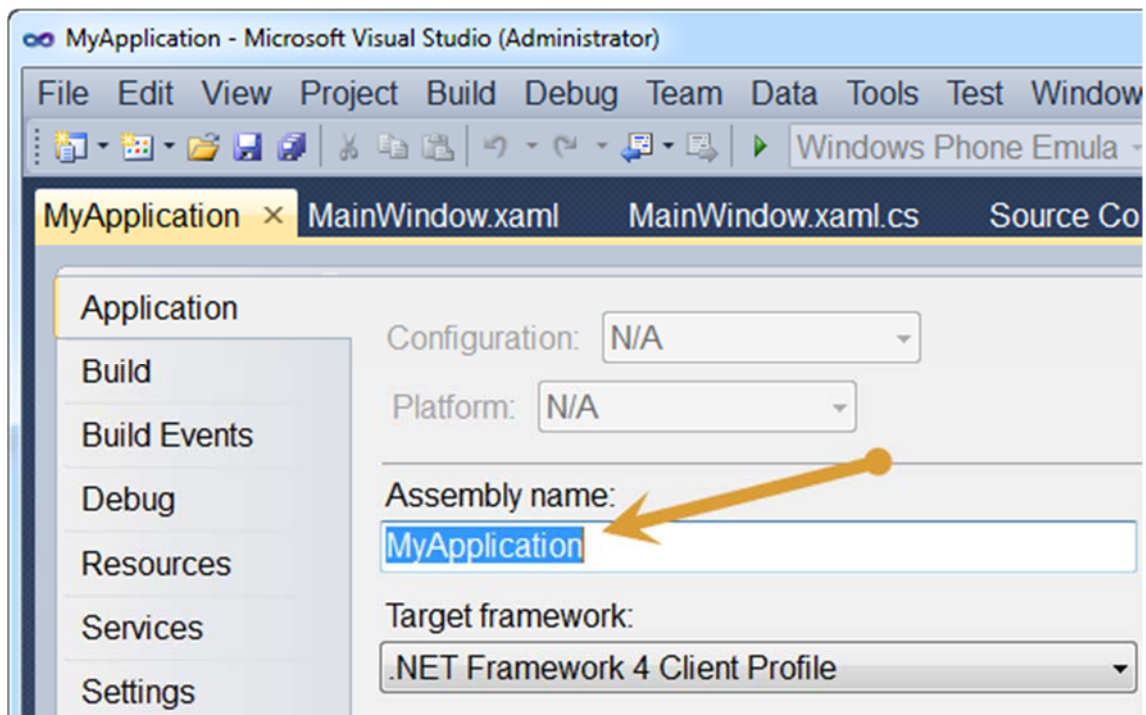


Figure 2: Get the Assembly name from the application properties window.

Copy the Assembly name exactly as it appears into the Runtime License Creator utility.

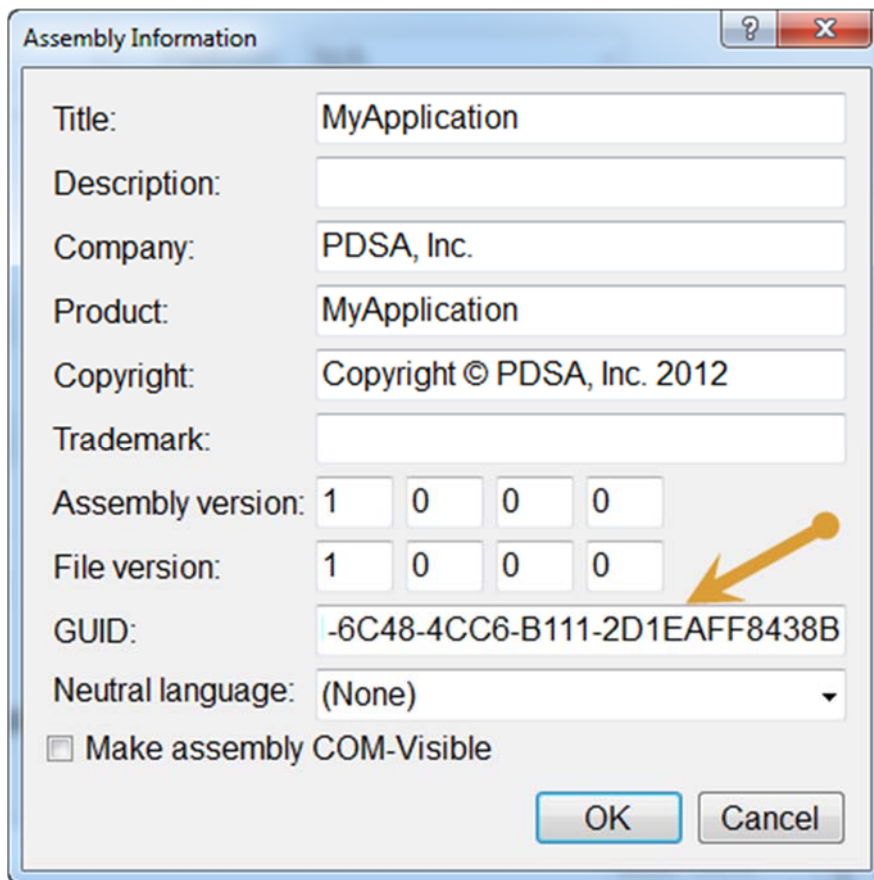
Get the Assembly Guid

When you create an application in Visual Studio a Guid is normally created for the application. There are some types of applications where a Guid is not created, however, you can add a Guid as you will see in the next section.

Again, from the Project Properties window you can click on the **Assembly Information...** button.

This will display a dialog like the one shown in Figure 3.

Copy the Guid in the GUID field and paste it into the Runtime License Creator utility.



Assembly Information

Title: MyApplication

Description:

Company: PDSA, Inc.

Product: MyApplication

Copyright: Copyright © PDSA, Inc. 2012

Trademark:

Assembly version: 1 0 0 0

File version: 1 0 0 0

GUID: -6C48-4CC6-B111-2D1EAF8438B

Neutral language: (None)

Make assembly COM-Visible

OK Cancel

Figure 3: Get the Guid from the application properties window.

Creating a Guid

If the GUID is not present in the Assembly Information dialog, you can create one using Visual Studio.

Close the Assembly Information dialog and from the Tools menu, select Create GUID as shown in Figure 4.

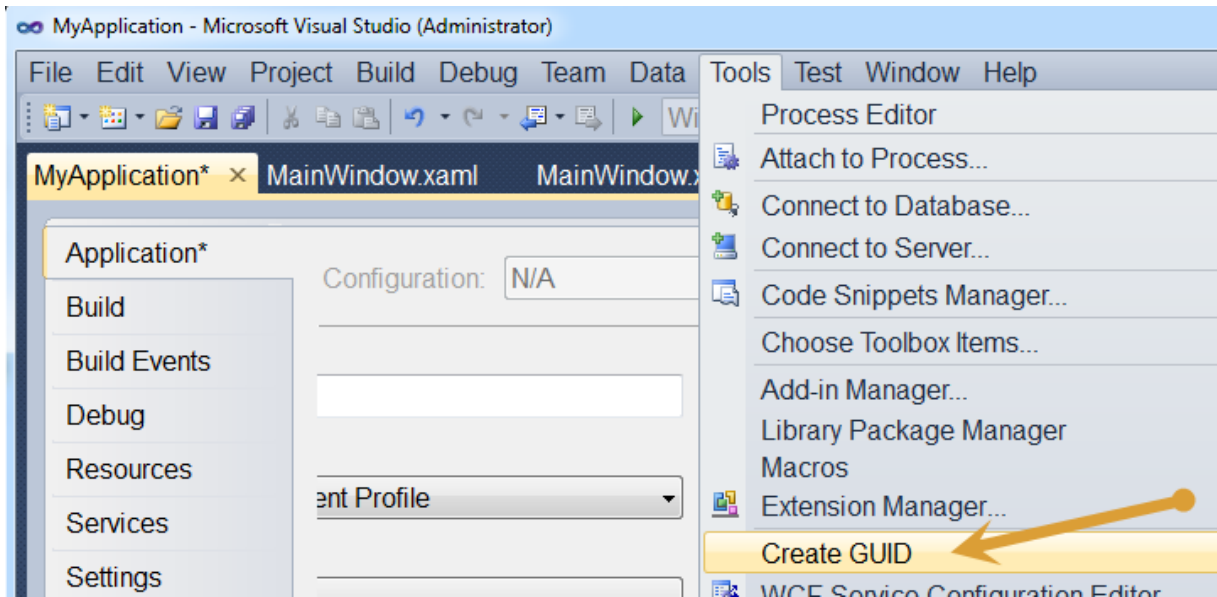


Figure 4: You can create a Guid from the Tools menu.

Select either option 5 or 6 and click on the Copy button.

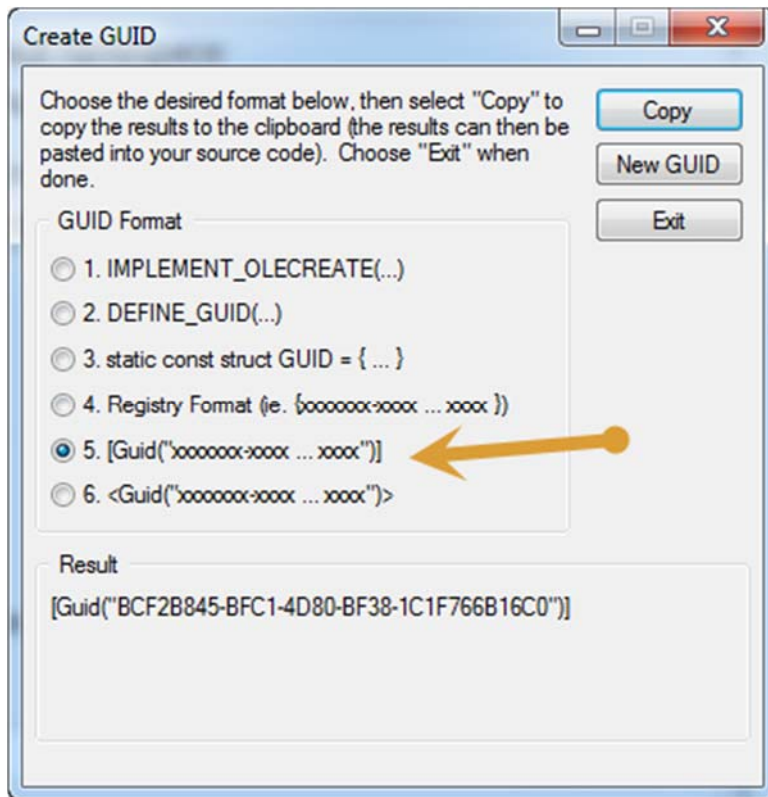


Figure 5: The Create GUID dialog will generate a few different formats of a Guid.

After copying to the clipboard, you will get a GUID that looks like the following:


```
[Guid( "B07000DF-5EF3-4D41-9C5D-849A38268588" ) ]
```

Copy just the GUID portion out from within the double quotes to the clipboard and paste that into the Runtime License Creator utility.

Create License File

The last field you fill in is the name of the license file.

This name must match the same name as your Assembly name for your application.

Next click the **Write License File** button to create your .LIC file.

Add License File to Your Project

Now that you have created your new license file, add it to the **root** of your project.

Click on this license file and bring up the Properties Window.

Set the “Copy to Output Directory” property to “Copy Always” (Figure 6).

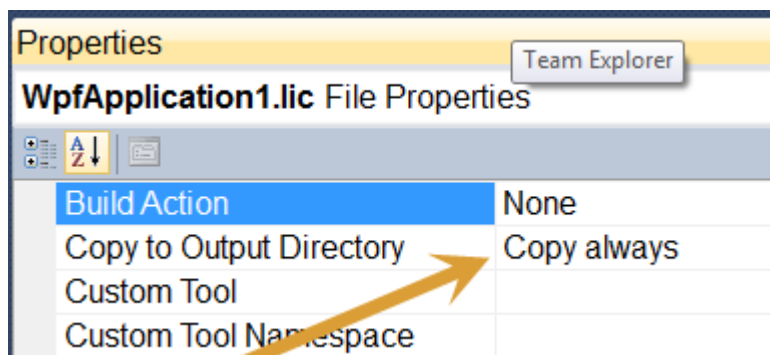


Figure 6: Change the license file to copy always to the output directory.

This file will need to be distributed with your final assembly.

NOTE: If you are building an ASP.NET Project you need to add the generated runtime license to the root folder of your website.