

# HTTP Error 502.5 - Process Failure error message when publishing an ASP.NET Core Website

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Saved From: <http://faq.asphosthelpdesk.com/article.php?id=313>

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On some occasions, when you try to deploy an ASP.NET Core website to our server, you can see the following error message:

*HTTP Error 502.5 - Process Failure*

*Common causes of this issue:*

*The application process failed to start*

*The application process started but then stopped*

*The application process started but failed to listen on the configured port*

**To resolve this issue, you need to publish the website/project as a self-contained application. In order to publish it as a self-contained application, please add this to the csproj folder.**

```
<PropertyGroup>
<OutputType>Exe</OutputType>
<TargetFramework>netcoreapp1.1</TargetFramework>
<PreserveCompilationContext>true</PreserveCompilationContext>
<RuntimeIdentifiers>win7-x64;win7-x86;ubuntu.16.04-x64;</RuntimeIdentifiers>
<SuppressDockerTargets>True</SuppressDockerTargets>
</PropertyGroup>
```

**The details of the steps are as followed:**

**Step 1: Download VS 2017 from Microsoft website**

**Step 2: Open solution within vs 2017, you will be told once this happens, you can no longer open the project within vs 2015, however they do backup automatically a version at 2015**

**step 3: The xproj file at the heart of the application is transformed into a csproj file. This filetype is \*now\* editable by right clicking on the Main project heart within the directory, and selecting edit {!ProjectName}.csproj, it should open an XML file format.**

**step 4. Add these lines to the project. (Please note, the project may contain some of these lines already).Some has to add the runtimeidentifiers and supperdocker targets to a property group that already existed.**

**step 5. Open the project within the command prompt in the usual method (where you right click the project name, open file explorer at the project location and then ctrl+shift clicking within the file explorer and selecting the open with command prompt option.**

**Step 6. Run: dotnet publish -c Release -r win7-x64 within the command prompt**

*NOTE: Please run the following command: npm install -g bower - within the nugget package manager console, this is meant to install bower globally or something along those lines. This process will publish a self-contained application of your project within the root directory>Bin>Release>Win64>publish*

The command prompt should inform you of the location

That is how the latest and most prevalent 502.5 error that occurs with the 2015 --> 2017 upgrade is rectified.

Please do not forget to add the following lines:

```
<PropertyGroup>
<OutputType>Exe</OutputType>
<TargetFramework>netcoreapp1.1</TargetFramework>
<PreserveCompilationContext>true</PreserveCompilationContext>
<RuntimeIdentifiers>win7-x64;win7-x86;ubuntu.16.04-x64;</RuntimeIdentifiers>
<SuppressDockerTargets>True</SuppressDockerTargets>
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