

Getting started with ASP.NET Core MVC and Visual Studio

September 22, 2016 (<http://dotnetcrunch.com/getting-started-asp-net-core-mvc-visual-studio/>)  DotNetCrunch (<http://dotnetcrunch.com/author/dotnetcrunch/>)  ASP.NET Core (<http://dotnetcrunch.com/category/asp-net-core/>), Visual Studio (<http://dotnetcrunch.com/category/visual-studio/>)

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4 **ASP.NET Core** is a significant redesign of ASP.NET. With the help of this post, we will be guiding you to create a brand new [ASP.NET Core MVC](#) web application from scratch.

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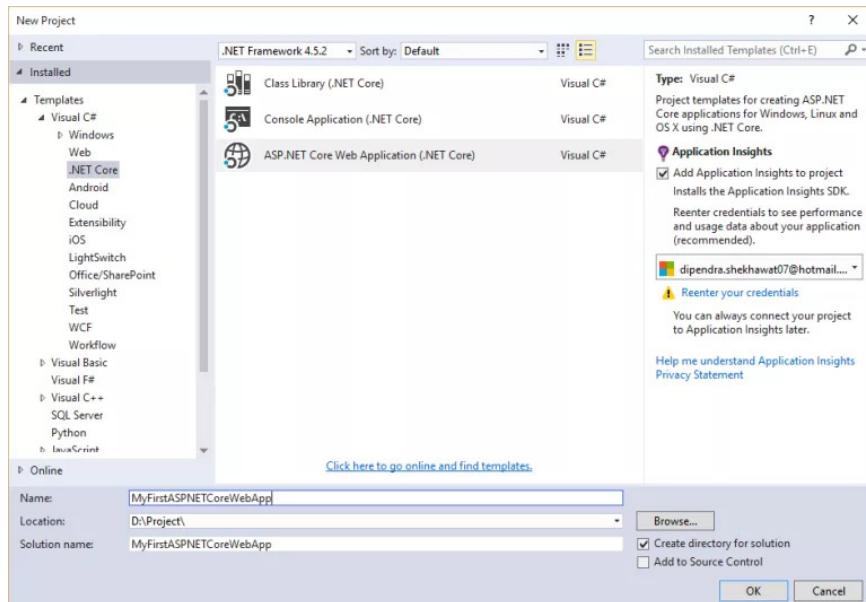
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From the **Visual Studio** Start page, click **New Project**. Alternatively, you can use the **File** menu to create a new project. Navigate to **File** → **New** → **Project**.

Complete the **New Project** dialog as shown below:

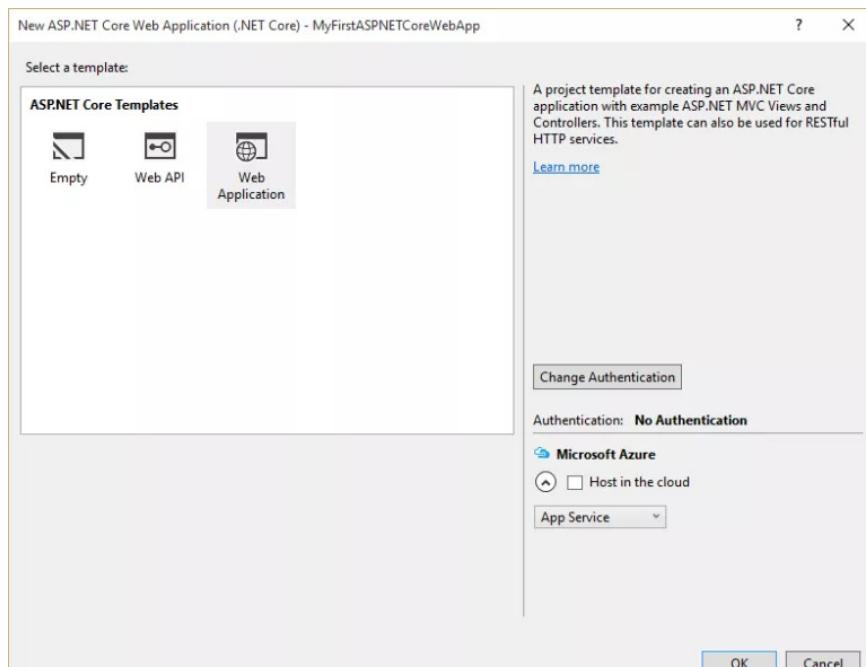
1. In the left pane, click on **.NET Core**
2. In the center pane, select **ASP.NET Core Web Application (.NET Core)**
3. Name the project "**MyFirstASPNETCoreWebApp**" or any name you wish to call your app.
4. Click **OK**



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Complete the **New ASP.NET Core Web Application(.NET Core) – MyFirstASPNETCoreWebApp** dialog:

1. Select **Web Application**
2. Uncheck **Host in the cloud**. By default, this option is checked.
3. Click OK.



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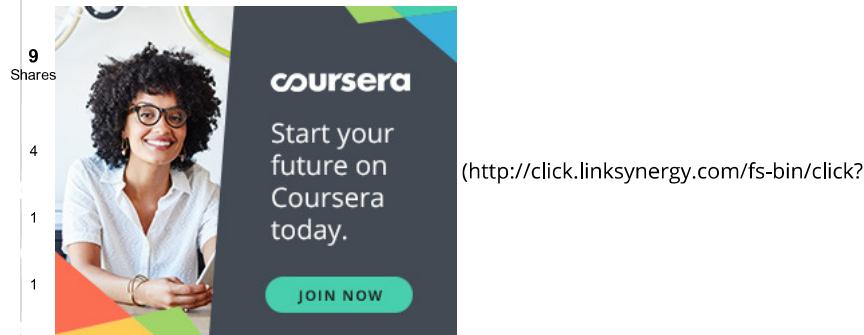
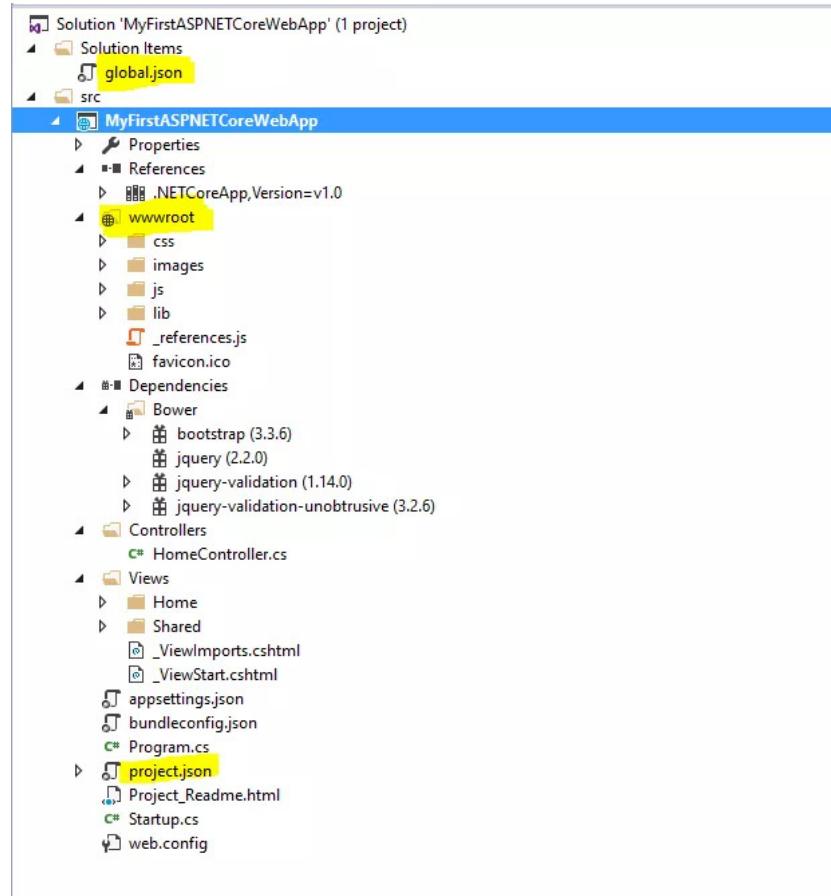
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Solution Structure

Screenshot below depicts the Solution Structure for ASP.NET MVC Core application.

Have a close watch at the highlighted file(s)/folder(s):



wwwroot

Contains all the css, images, js & lib files which are referenced in the entire project.

global.json

This file has the details of projects/sources and packages.

```

1  {
2    "projects": [ "src", "test" ],
3    "sdk": {
4      "version": "1.0.0-preview2-003121"
5    }
6 }
```

For more information refer – global.json details (<https://docs.microsoft.com/en-us/dotnet/articles/core/tools/global-json>)

project.json

This file contains entire information related to the current project. For instance, dependencies, buildOptions, publishOptions, frameworks any many more. For more information, you can refer – project.json details (<https://docs.microsoft.com/en-us/dotnet/articles/core/tools/project-json>)

```

1  {
2    "dependencies": {
3      "Microsoft.NETCore.App": {
4        "version": "1.0.0",
5        "type": "platform"
6      },
7      "Microsoft.ApplicationInsights.AspNetCore": "1.0.0",
8      "Microsoft.AspNetCore.Diagnostics": "1.0.0",
9      "Microsoft.AspNetCore.Mvc": "1.0.0",
10     "Microsoft.AspNetCore.Razor.Tools": {
11       "version": "1.0.0-preview2-final",
12       "type": "build"
13     },
14     "Microsoft.AspNetCore.Server.IISIntegration": "1.0.0",
15     "Microsoft.AspNetCore.Server.Kestrel": "1.0.0",
16     "Microsoft.AspNetCore.StaticFiles": "1.0.0",
17     "Microsoft.Extensions.Configuration.EnvironmentVariables": "1.0.0",
18     "Microsoft.Extensions.Configuration.Json": "1.0.0",
19     "Microsoft.Extensions.Logging": "1.0.0",
20     "Microsoft.Extensions.Logging.Console": "1.0.0",
21     "Microsoft.Extensions.Logging.Debug": "1.0.0",
22     "Microsoft.Extensions.Options.ConfigurationExtensions": "1.0.0",
23     "Microsoft.VisualStudio.Web.BrowserLink.Loader": "14.0.0"
24   },
25
26   "tools": {
27     "BundlerMinifier.Core": "2.0.238",
28     "Microsoft.AspNetCore.Razor.Tools": "1.0.0-preview2-final",
29     "Microsoft.AspNetCore.Server.IISIntegration.Tools": "1.0.0-preview2-final"
30   },
31
32   "frameworks": {
33     "netcoreapp1.0": {
34       "imports": [
35         "dotnet5.6",
36         "portable-net45+win8"
37       ]
38     }
39   },
40
41   "buildOptions": {
42     "emitEntryPoint": true,
43     "preserveCompilationContext": true
44   },
45
46   "runtimeOptions": {
47     "configProperties": {
48       "System.GC.Server": true
49     }
50   },
51
52   "publishOptions": {
53     "include": [
54       "wwwroot",
55       "Views",
56       "Areas/**/Views",
57       "appsettings.json",
58       "web.config"
59     ]
60   },
61
62   "scripts": {
63     "prepublish": [ "bower install", "dotnet bundle" ],
64     "postpublish": [ "dotnet publish-iis --publish-folder %publish:OutputPath% --framework %publish:FullTarge
65   }
66 }
```

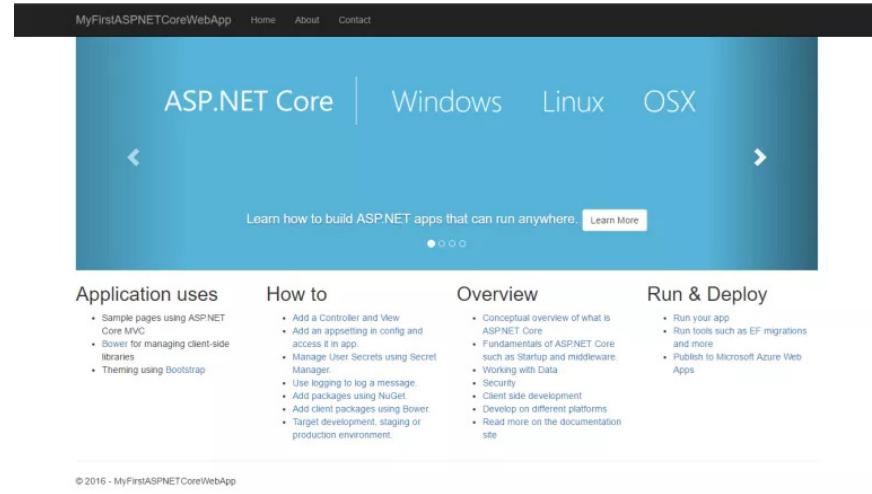
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Visual Studio used a default template for the MVC project you just created, so you have a working app right now just by entering a project name and selecting a few options. We can call this as a simple “Hello World” project, and it’s a good place to start.

Press **F5** key from your keyboard to run the app in debug mode or **Ctrl + F5** in non-debug mode.

The default template gives you working **Home**, **Contact** and **About** links.

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Hurrah! We got our very first ASP.NET Core MVC web app up and running that too within few minutes without writing a single line of code.

That's the beautify of the template. Microsoft developers have made our lives pretty easy by doing all the complex work behind the scene for running this web application.

Hope you enjoyed this post, in the next `ASP .NET Core MVC` post we'll learn about MVC and start writing some code.



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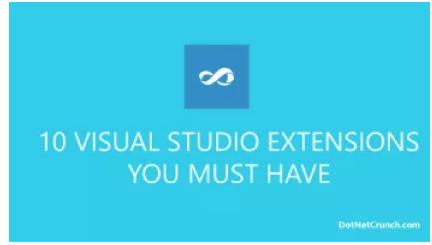
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