

Novidades do ASP.NET Core 2.0

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Sou desenvolvedor ;)



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#1 .NET Standard

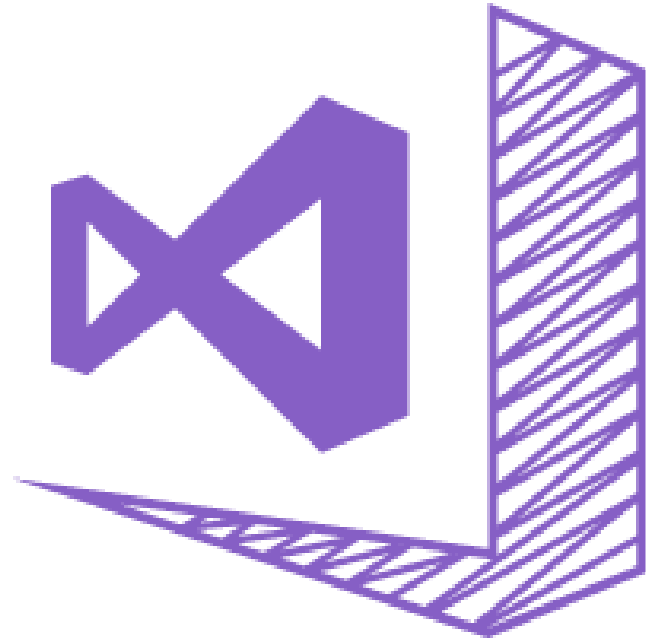


.NET Standard	1.0	1.1	1.2	1.3	1.4	1.5	1.6	2.0
.NET Core	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
.NET Framework (com ferramentas 1.0)	4.5	4.5	4.5.1	4.6	4.6.1	4.6.2		
.NET Framework (com ferramentas 2.0)	4.5	4.5	4.5.1	4.6	4.6.1	4.6.1	4.6.1	4.6.1
Mono	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.4
Xamarin.iOS	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.14
Xamarin.Mac	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
Xamarin.Android	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.5
Plataforma Universal do Windows	10.0	10.0	10.0	10.0	10.0	vNext	vNext	vNext

<http://www.eduardopires.net.br/2017/06/net-standard-voce-precisa-conhecer/>

#2

Tooling



Visual Studio 17 Preview 15.4.0



<https://www.microsoft.com/net/download/core>

#3

.NET CLI



```
Cmder

C:\Users\Eduardo
λ dotnet --info
.NET Command Line Tools (2.0.0)

Product Information:
  Version:           2.0.0
  Commit SHA-1 hash: cdcd1928c9

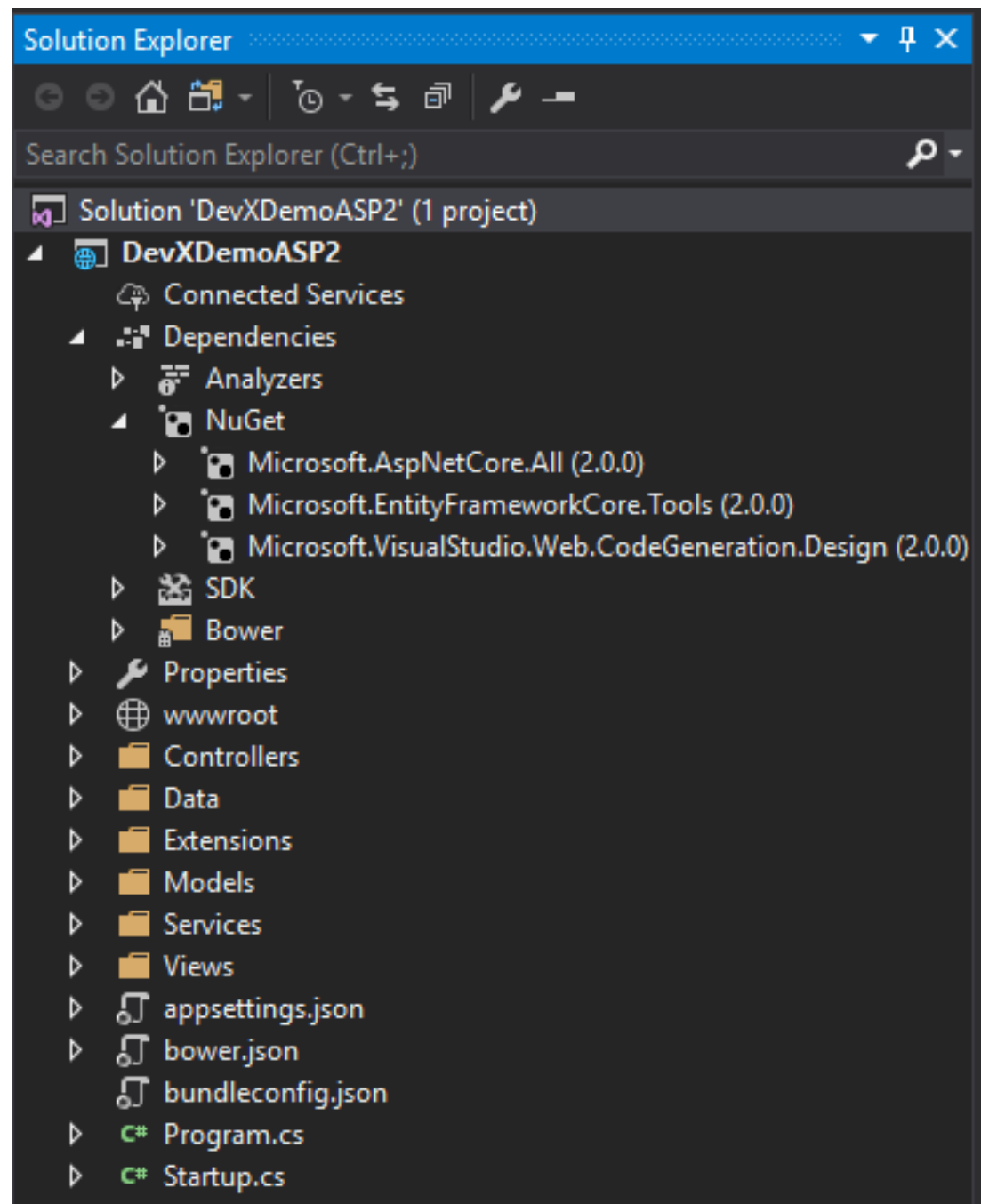
Runtime Environment:
  OS Name:           Windows
  OS Version:        10.0.14393
  OS Platform:       Windows
  RID:               win10-x64
  Base Path:         C:\Program Files\dotnet\sdk\2.0.0\

Microsoft .NET Core Shared Framework Host

  Version : 2.0.0
  Build   : e8b8861ac7faf042c87a5c2f9f2d04c98b69f28d
```

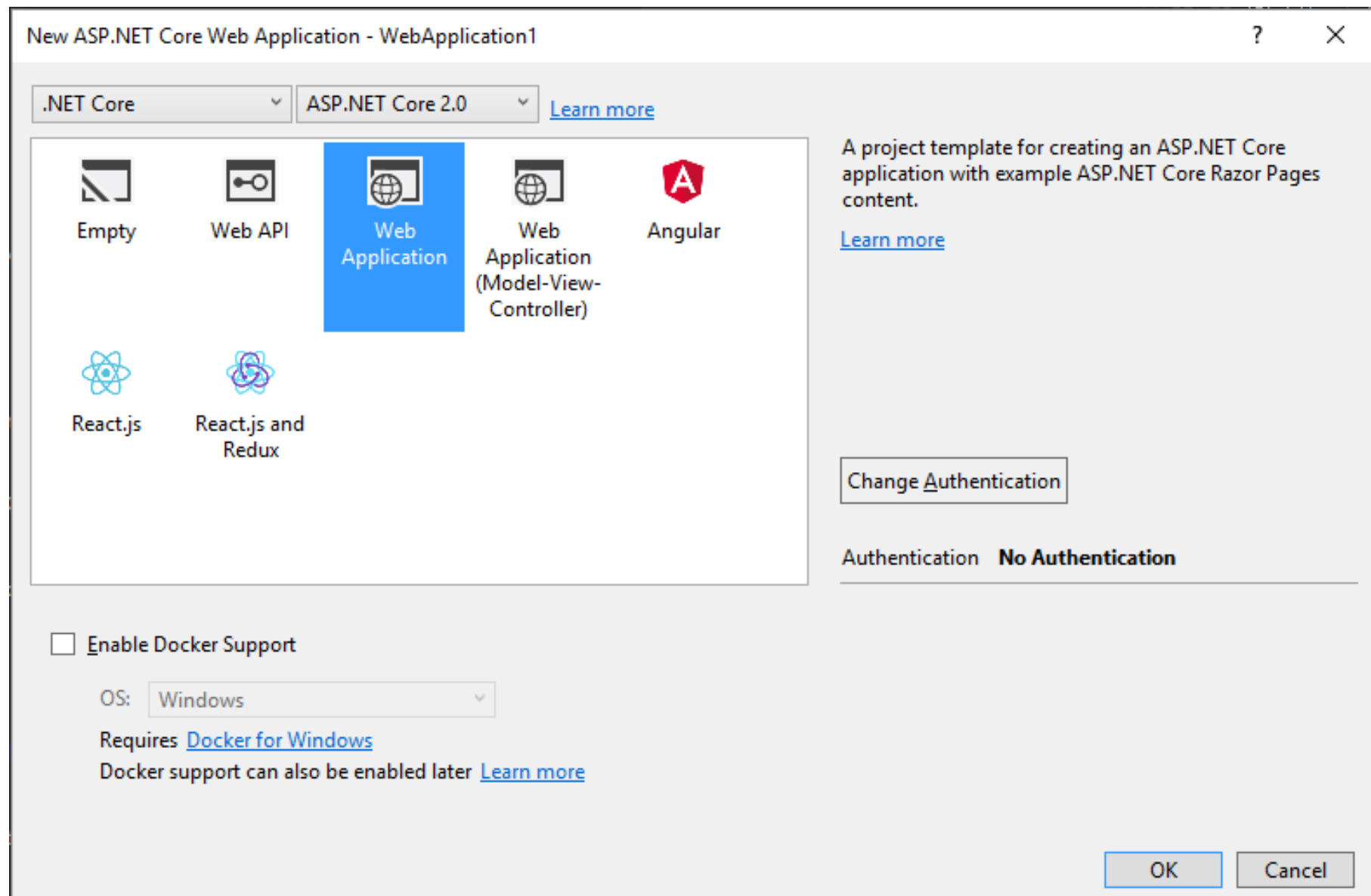
#4

ASP.NET MetaPackage



#5

Razor Pages



#5

Razor Pages



Suporte ao C# 7

Filtros: PageFilter, IAsyncPageFilter

Classe PageModel que permite execução e bind

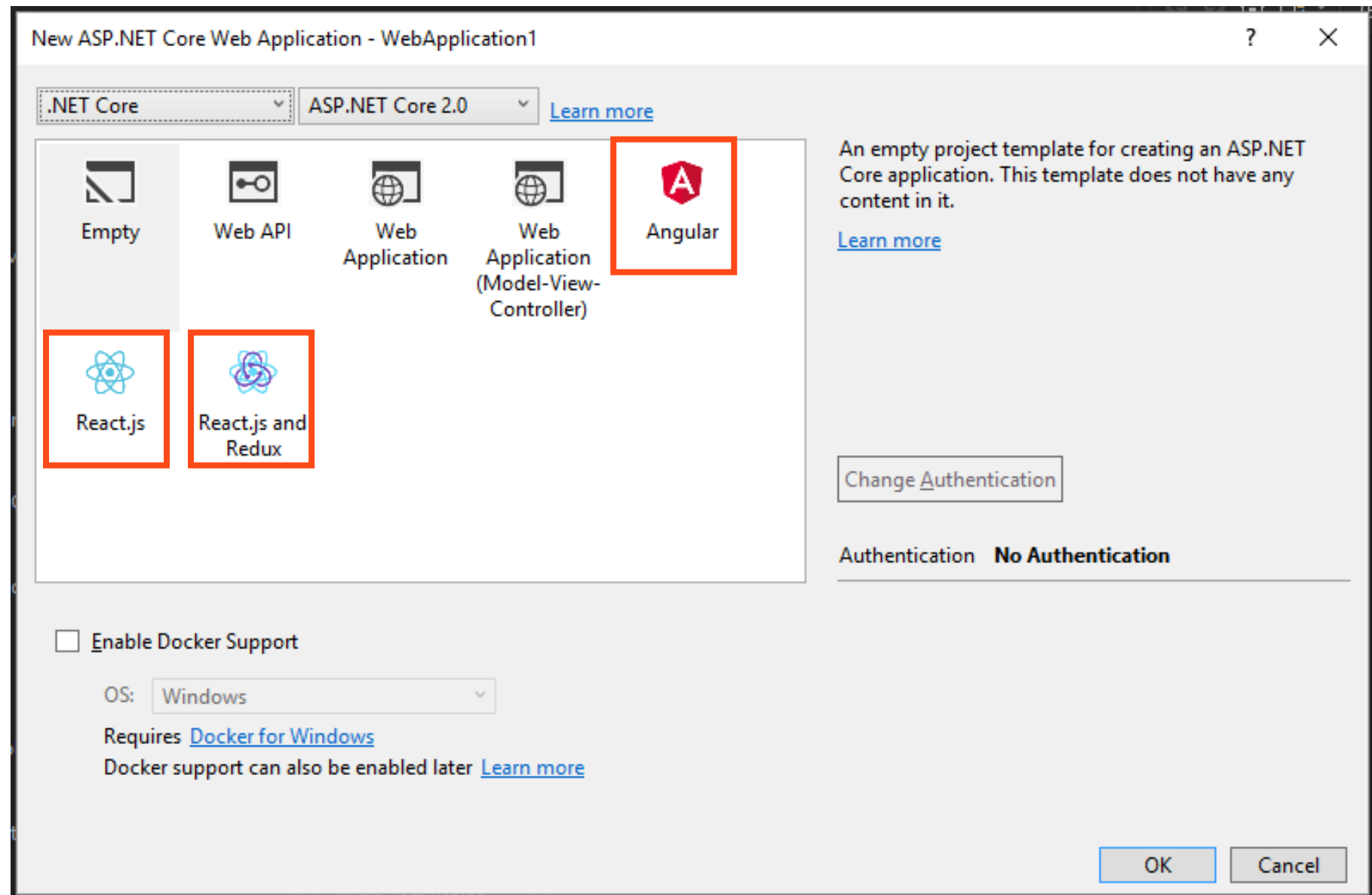
```
1  @page
2
3  @functions {
4
5      public string FormatDate(DateTime theTime) {
6          return theTime.ToString("d");
7      }
8
9  }
10
11 <html>
12     <body>
13         <h2>The server-local time now is:</h2>
14
15         <p>@FormatDate(DateTime.Now)</p>
16     </body>
17 </html>
```

now.cshtml hosted with ❤ by GitHub

[view raw](#)

#6

SPA Templates



#7

ASP.NET Identity



- **Atuando como Serviço**
 - Mudanças no setup via Startup.cs
 - Usando o EF Core 2.0
- **Opções de autenticação**
 - Usuario/Senha
 - AD em Nuvem/Local
 - Cookies
 - Redes Sociais
 - JWT
 - OpenID
 - IdentityServer4
 - OpenIddict
 - PwdLess
- **Melhorias de UI (Template)**
 - Geração de QR Code para TwoFactor

#8

Hosting Setup

```
public class Program
{
    public static void Main(string[] args)
    {
        BuildWebHost(args).Run();
    }

    public static IWebHost BuildWebHost(string[] args) =>
        WebHost.CreateDefaultBuilder(args)
            .UseStartup<Startup>()
            .Build();
}
```

#8

Hosting Setup



- Melhorias no Kestrel
 - Maximum Client Connections
 - Maximum Request Body Size
 - Maximum Request Body Data Rate
- Logging Setup
- Start Method

```
public static IWebHost BuildWebHost(string[] args) =>
{
    public static void Main(string[] args)
    {
        WebHost.Start(async context => await context.Response.WriteAsync("Hello World!"))
            .WaitForShutdown();
    }

    logging.AddConsole();
    logging.AddDebug();
})
.Build();
```

#9

View Compiler



```
<Project Sdk="Microsoft.NET.Sdk.Web">
```

```
<PropertyGroup>
```

```
<TargetFramework>netcoreapp2.0</TargetFramework>
```

```
<MvcRazorCompileOnPublish>>false</MvcRazorCompileOnPublish>
```

```
</PropertyGroup>
```

Geração de um assembly das Views que contribui para a performance do Startup uma vez que não será necessário compilar o *.cshtml em tempo de execução.

#10

TagHelpers Components



```
public class JavaScriptSnippetTagHelperComponent : TagHelperComponent
{
    public override int Order => 100;

    public override void Process(TagHelperContext context, TagHelperOutput output)
    {
        if (string.Equals(context.TagName, "head", StringComparison.OrdinalIgnoreCase))
        {
            output.PostContent.AppendHtml("<script src='myscript.js'></script>");
        }
    }
}
```

Utilize HeadTagHelper e BodyTagHelper para manipular o conteúdo Head ou Body durante a renderização da View

#11

Migração



```
<PropertyGroup>
  <TargetFramework>netcoreapp2.0</TargetFramework>
</PropertyGroup>

<ItemGroup>
  <PackageReference Include="Microsoft.AspNetCore.All" Version="2.0.0" />
  <PackageReference Include="Microsoft.Extensions.Logging.Debug" Version="2.0.0" />
  <PackageReference Include="Microsoft.VisualStudio.Web.BrowserLink" Version="2.0.0" />
</ItemGroup>
```

- Atualize o Target Framework para netcoreapp2.0
- Substitua os pacotes ASPNET pelo MetaPackage
- Utilize a ferramenta do Nuget para as demais dependências
- <https://docs.microsoft.com/pt-br/aspnet/core/migration/1x-to-2x/>

#12

Referências

<https://blogs.msdn.microsoft.com/webdev/2017/08/14/announcing-asp-net-core-2-0/>

<https://blogs.msdn.microsoft.com/webdev/2017/06/28/introducing-asp-net-core-2-0-preview-2/>

<https://blogs.msdn.microsoft.com/webdev/2017/08/25/asp-net-core-2-0-features-1/>

#13

Equinox
Project

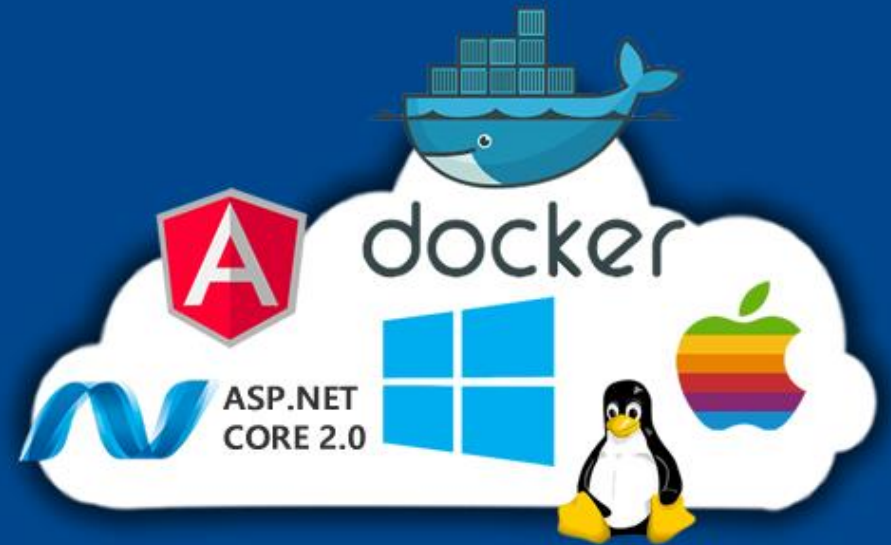


<https://github.com/EduardoPires/EquinoxProject>

#14

Curso :D

ASP.NET CORE & ANGULAR 4 55 HORAS ONLINE



#15

FIM



Muito Obrigado



www.eduardopires.net.br

<http://epires.me/DevXASP2>