

# Sviluppare applicazioni web con ASP.NET Core e Visual Studio 2017

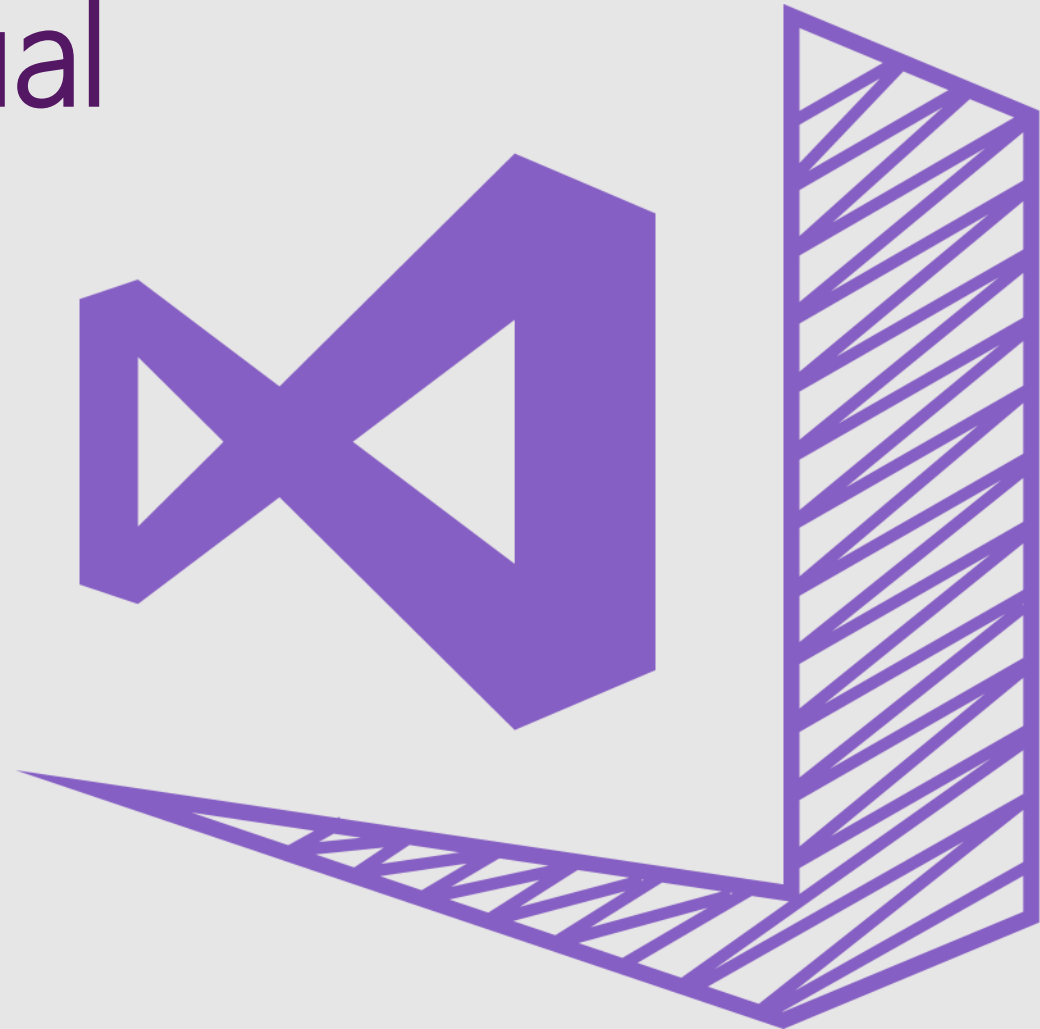
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# ASP.NET Core e VS 2017

- Nuovi tool integrati in VS
- Scaffolding
- Bower
- Nuovi template per dotnet new
- Publish integrato da Visual Studio
- Intellisense

# Cos'è .NET Core

Piattaforma di sviluppo

Cross-platform

Windows, macOS, Linux

Flexible deployment

Side-by-side o machine-wide

Open source su GitHub

Supportato da Microsoft

Eredita Base Class Library di .NET Framework 4.6

Rivisto: no dipendenze Windows

Compatibile .NET Framework, Xamarin e Mono

# .NET Core CLI (Command Line Interface)

Linea di comando

- cmd, powershell, bash

Intero ciclo di sviluppo

Cross platform

- Windows, MacOS, Linux (Ubuntu, debian, Fedora, openSuse, CentOS)

Distribuito con .NET Core runtime

- Side by side (multiversione)
- .NET Core SDK per sviluppare, altrimenti solo launcher

Perché?

- Strumento base degli IDE – noi usiamo Visual Studio 2017 e quindi ne facciamo a meno :)

# Extension mai-più-senza per ASP.NET Core

- <https://aka.ms/projfiletools>
- <https://aka.ms/razorlangsvc>
- <http://vswebessentials.com/>

# Prima: project.json

Per configurazione DotNet CLI

Metainformazioni

File e risorse da includere

Dipendenze

- Pacchetti NuGet

Runtime supportati

Script pre/post

**Deprecato da VS 2017**

**I progetti creati in VS 2015 vengono convertiti  
(operazione one-way)**

```
{
  "dependencies": {
    "Microsoft.NETCore.App": {
      "version": "1.0.1",
      "type": "platform"
    },
    "dotnet-test-xunit": "2.2.0-*",
    "xunit": "2.2.0-*"
  },
  "tools": {
    "Microsoft.EntityFrameworkCore.Tools": {
      "version": "1.0.0-preview2-final"
    }
  },
  "frameworks": {
    "netcoreapp1.0": {
      "Microsoft.NETCore.App": {
        "type": "platform",
        "version": "1.0.1"
      }
    }
  },
  "buildOptions": {
    "emitEntryPoint": true,
    "preserveCompilationContext": true
  },
  "publishOptions": {
    "include": [
      "wwwroot"
    ]
  },
  "scripts": {
    "prepublish": [ "bower install", "dotnet bundle" ],
    "postpublish": [ "dotnet publish-iis --publish-folder"
  ]
}
```

# .NET Core csproj

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

  <PropertyGroup>
    <TargetFramework>netcoreapp1.1</TargetFramework>
  </PropertyGroup>

  <PropertyGroup>
    <PackageTargetFallback>$(PackageTargetFallback);portable-net45+win8+wp8+wp81;</PackageTargetFallback>
  </PropertyGroup>

  <PropertyGroup>
    <UserSecretsId>aspnet-MyCoolWebApplication-e119bc96-38e9-44ab-b4d3-d54964ade9b1</UserSecretsId>
    <DockerComposeProjectPath>..\docker-compose.dcproj</DockerComposeProjectPath>
  </PropertyGroup>

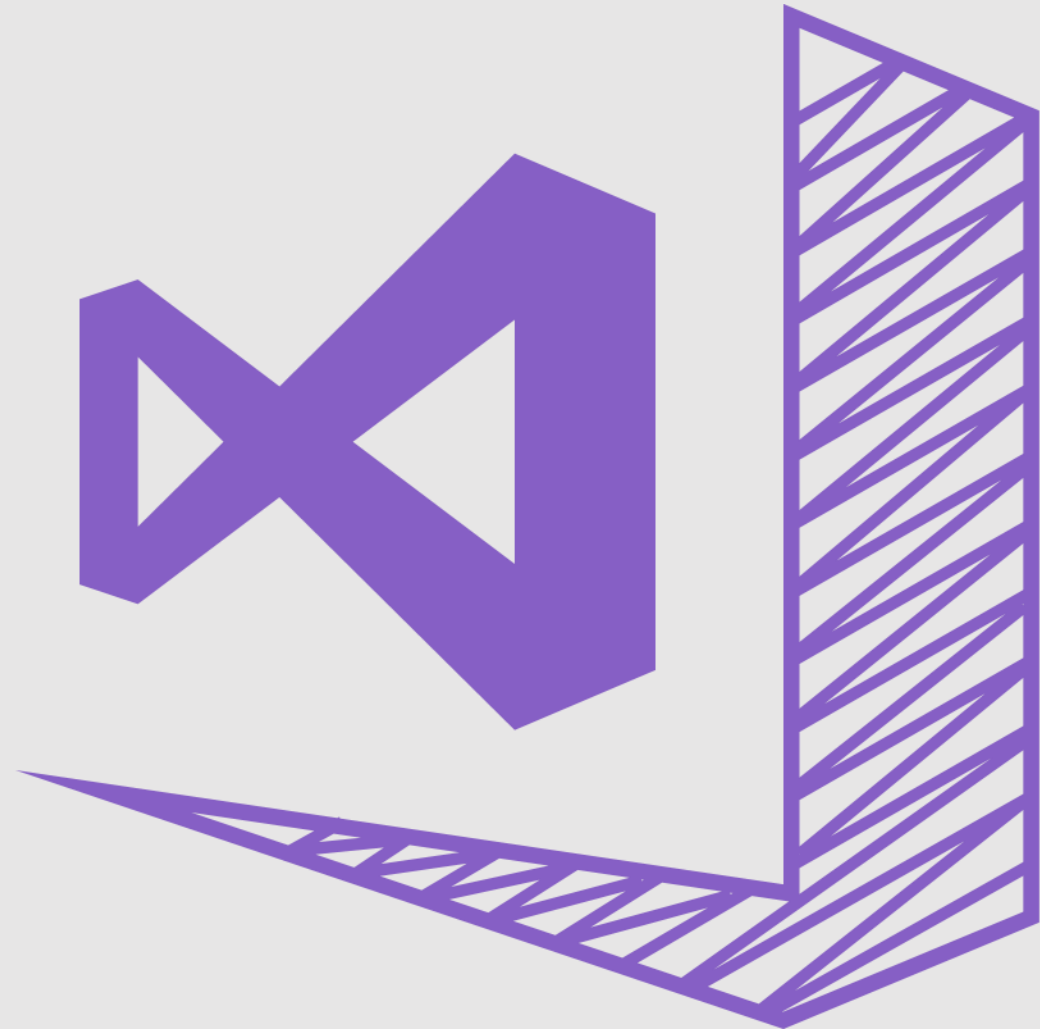
  <ItemGroup>
    <PackageReference Include="Microsoft.ApplicationInsights.AspNetCore" Version="2.0.0" />
    <PackageReference Include="Microsoft.AspNetCore" Version="1.1.1" />
    <PackageReference Include="Microsoft.AspNetCore.Authentication.Cookies" Version="1.1.1" />
    <PackageReference Include="Microsoft.AspNetCore.Diagnostics.EntityFrameworkCore" Version="1.1.1" />
    <PackageReference Include="Microsoft.AspNetCore.Identity.EntityFrameworkCore" Version="1.1.1" />
    <PackageReference Include="Microsoft.AspNetCore.Mvc" Version="1.1.2" />
    <PackageReference Include="Microsoft.AspNetCore.StaticFiles" Version="1.1.1" />
    <PackageReference Include="Microsoft.EntityFrameworkCore.Design" Version="1.1.1" PrivateAssets="All" />
    <PackageReference Include="Microsoft.EntityFrameworkCore.SqlServer" Version="1.1.1" />
    <PackageReference Include="Microsoft.EntityFrameworkCore.SqlServer.Design" Version="1.1.1" PrivateAssets="All" />
  </ItemGroup>

  <ItemGroup>
    <DotNetCliToolReference Include="Microsoft.EntityFrameworkCore.Tools.DotNet" Version="1.0.0" />
    <DotNetCliToolReference Include="Microsoft.Extensions.SecretManager.Tools" Version="1.0.0" />
    <DotNetCliToolReference Include="Microsoft.VisualStudio.Web.CodeGeneration.Tools" Version="1.0.0" />
  </ItemGroup>

</Project>
```

# Demo

ASP.NET Core



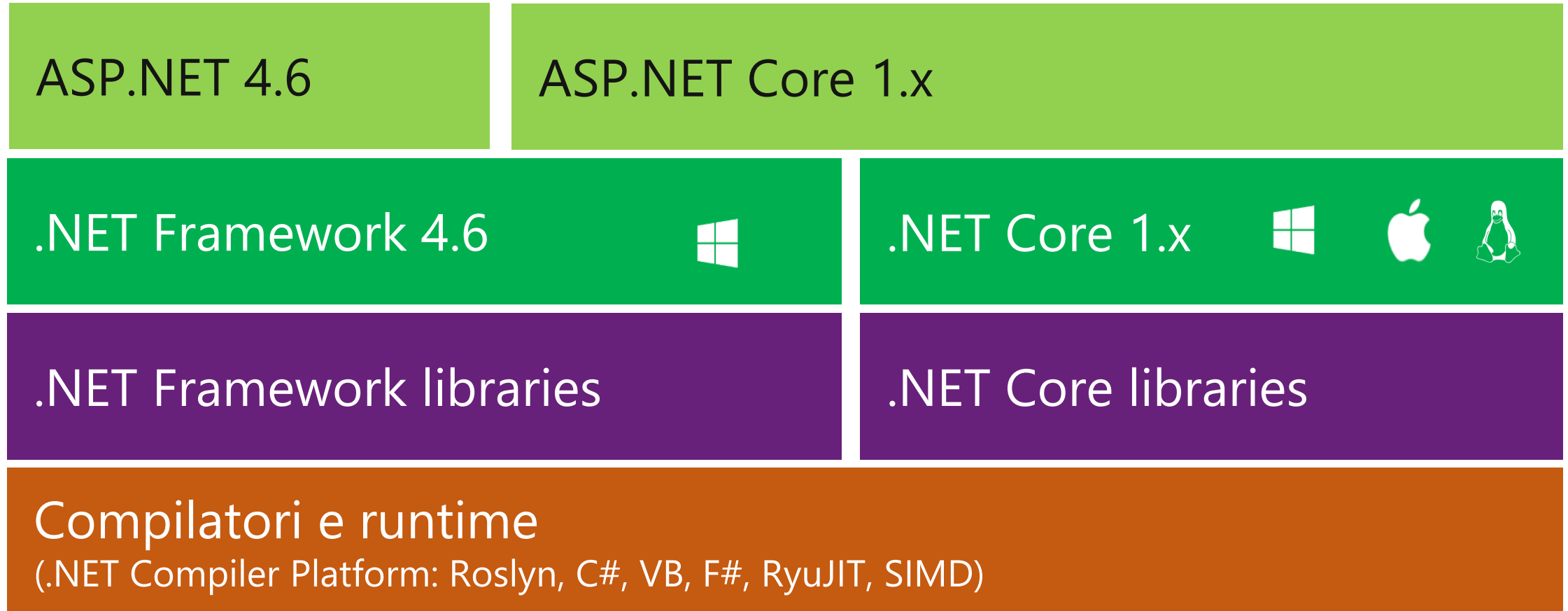


# ASP.NET Core

Milestone	Data
Beta6	27/07/2015
Beta7	2/09/2015
Beta8	15/10/2015
RC1	Novembre 2015
RC2	Maggio 2016
1.0.0*	Giugno 2016
1.1.1**	Marzo 2017
1.2	Q2 2017

- I tool di VS 2015 sono in preview \*\* I tool sono solo per VS 2017
- <https://github.com/aspnet/home/wiki/roadmap>

# ASP.NET 4.6 e ASP.NET Core 1.x

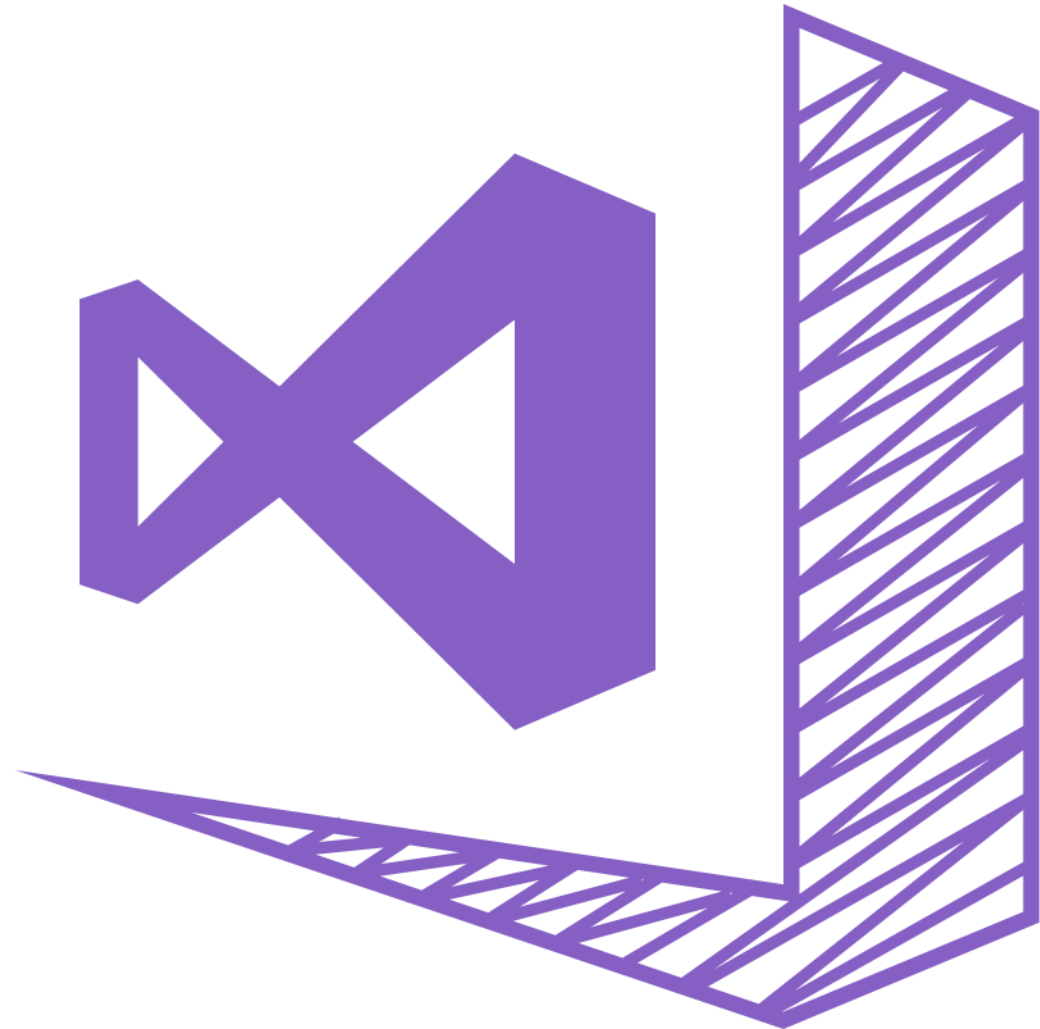


# ASP.NET Core e le View

- TagHelper
  - Controlli, ciao-HtmlHelper
- ViewComponent
  - Mini-Controller-View
- Bower

# Demo

ASP.NET Core



# Recap

- ASP.NET Core = Figata\*
- ASP.NET Core 1.1 = Tanta roba\*
- VS 2017 + ASP.NET Core = Libidine\*

Il materiale è disponibile su: <http://aspit.co/VS-2017>

\* Termine tecnico

# Grazie

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