

Crear y publicar en Azure aplicaciones MVC de NET Core desde VSCode

Prerrequisitos:
Plataforma .NET instalada y actualizada

Podemos comprobarlo en una
pantalla cmd con los comandos:

dotnet -- version
y
dotnet -- info

```
C:\>dotnet --version
2.1.502

C:\>dotnet --info
SDK de .NET Core (reflejando cualquier global.json):
Version: 2.1.502
Commit: c74ce8f29f

Entorno de tiempo de ejecución:
OS Name: Windows
OS Version: 10.0.17763
OS Platform: Windows
RID: win10-x64
Base Path: C:\Program Files\dotnet\sdk\2.1.502\

Host (useful for support):
Version: 2.1.6
Commit: 3f4f8eebd8

.NET Core SDKs installed:
2.1.103 [C:\Program Files\dotnet\sdk]
2.1.202 [C:\Program Files\dotnet\sdk]
2.1.502 [C:\Program Files\dotnet\sdk]

.NET Core runtimes installed:
Microsoft.AspNetCore.All 2.1.6 [C:\Program Files\dotnet\s
Microsoft.AspNetCore.App 2.1.6 [C:\Program Files\dotnet\s
Microsoft.Windows.Common-SDK 2.0.6 [C:\Program Files\dotnet\s
```

Have you tried ML.NET? It's a new machine learning framework made specifically for .NET developers.

.NET Tutorial - Hello World

Not ready to install anything? Try our [in-browser](#)

Tutorial Guide

Windows

Linux

macOS

1. Install the .NET SDK

Install the .NET SDK

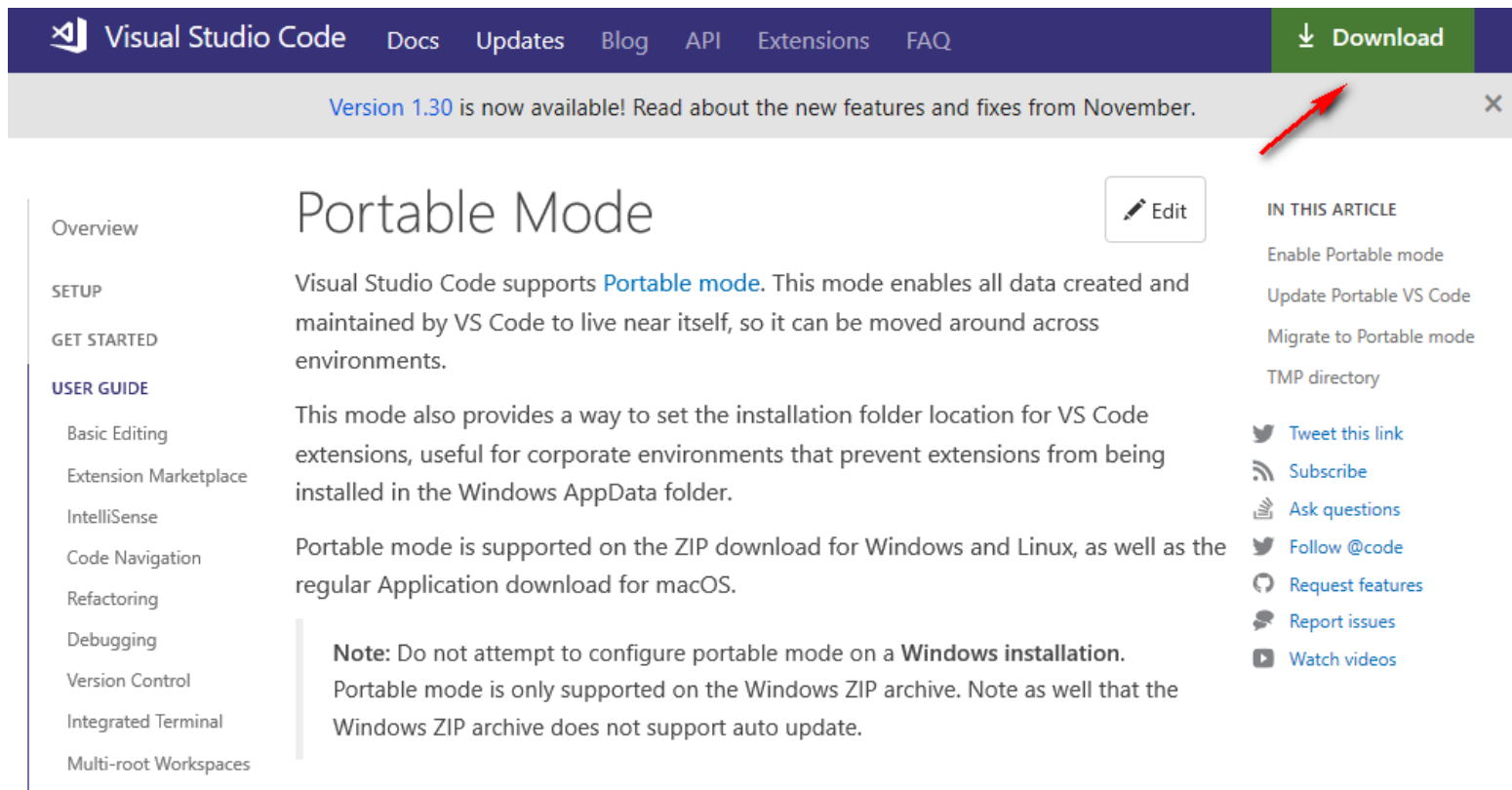
To start building .NET apps you just need to download and install

[Download .NET SDK](#)



Vamos a preparar una instalación portable de VSCode

<https://code.visualstudio.com/docs/editor/portable>



Visual Studio Code Docs Updates Blog API Extensions FAQ **Download**

Version 1.30 is now available! Read about the new features and fixes from November. X

Portable Mode Edit

Visual Studio Code supports [Portable mode](#). This mode enables all data created and maintained by VS Code to live near itself, so it can be moved around across environments.

This mode also provides a way to set the installation folder location for VS Code extensions, useful for corporate environments that prevent extensions from being installed in the Windows AppData folder.

Portable mode is supported on the ZIP download for Windows and Linux, as well as the regular Application download for macOS.

Note: Do not attempt to configure portable mode on a **Windows installation**. Portable mode is only supported on the Windows ZIP archive. Note as well that the Windows ZIP archive does not support auto update.

Overview

SETUP

GET STARTED

USER GUIDE

- Basic Editing
- Extension Marketplace
- IntelliSense
- Code Navigation
- Refactoring
- Debugging
- Version Control
- Integrated Terminal
- Multi-root Workspaces

IN THIS ARTICLE

- Enable Portable mode
- Update Portable VS Code
- Migrate to Portable mode
- TMP directory

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Windows

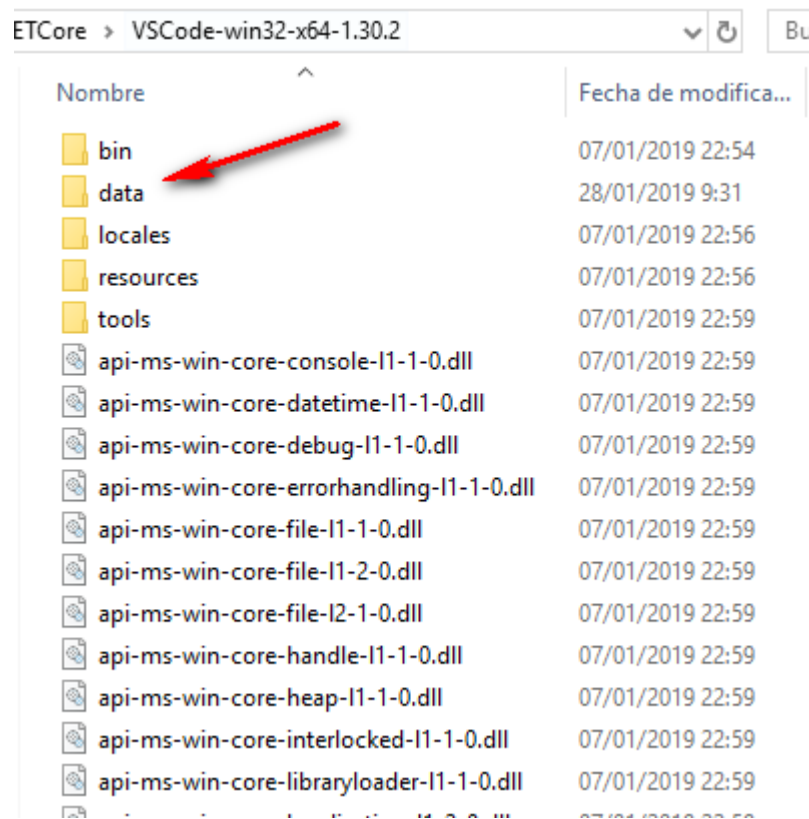
Windows 7, 8, 10

User Installer	64 bit	32 bit
System Installer	64 bit	32 bit
.zip	64 bit	32 bit

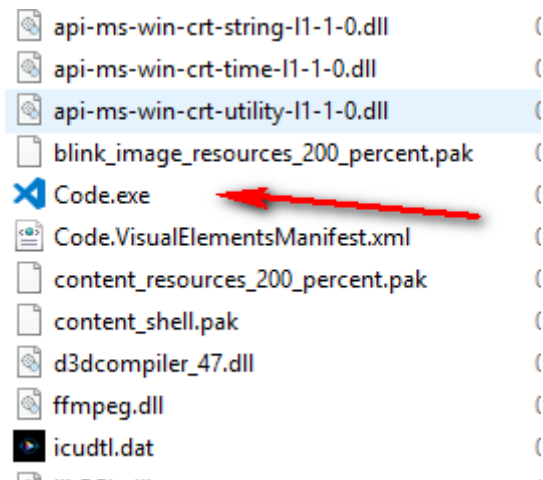


Bajaremos el .zip

Descomprimos y añadimos
la carpeta data



El archivo code.exe será el ejecutable





File Edit Selection View Go Debug Terminal Help

Welcome - Visual Studio Code



EXPLORER

OPEN EDITORS

× Welcome

NO FOLDER OPENED

You have not yet opened a folder.

Open Folder



Welcome ×



Start

[New file](#)

[Open folder...](#)

[Add workspace folder...](#)

Recent

No recent folders

Help

[Printable keyboard cheatsheet](#)

[Introductory videos](#)

[Tips and Tricks](#)

[Product documentation](#)

Customize

Tools and languages

Install support for [JavaScript](#), [TypeScript](#), [Pytho...](#)

Settings and keybindings

Install the settings and keyboard shortcuts of [V...](#)

Color theme

Make the editor and your code look the way yo...

Learn


Find and run all commands

Rapidly access and search commands from the ...

Según avancemos le iremos añadiendo al VSCode los elementos que necesitemos.

Nos situamos en la carpeta que contendrá
nuestros proyectos.
Ejecutamos lo siguiente en una ventana cmd.

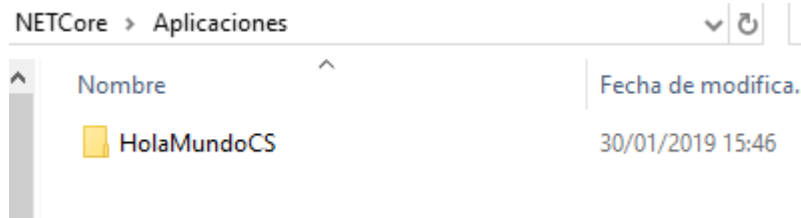
```
dotnet new console -o HolaMundoCS
```


 Símbolo del sistema

```
C:\Users\██████████\Desktop\NETCore\Aplicaciones>dotnet new console -o HolaMundoCS
La plantilla "Console Application" se creó correctamente.

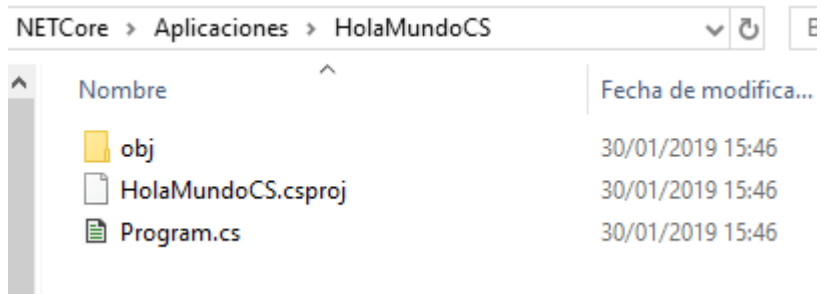
Procesando acciones posteriores...
Ejecutando "dotnet restore" en HolaMundoCS\HolaMundoCS.csproj...
  Restaurando paquetes para C:\Users\██████████\Desktop\NETCore\Aplicaciones\HolaMundoCS\HolaM
  Generación de archivo MSBuild C:\Users\██████████\Desktop\NETCore\Aplicaciones\HolaMundoCS\o
rops.
  Generación de archivo MSBuild C:\Users\██████████\Desktop\NETCore\Aplicaciones\HolaMundoCS\o
argets.
  Restauración realizada en 1,71 sec para C:\Users\██████████\Desktop\NETCore\Aplicaciones\Hol
Restauración correcta.




C:\Users\██████████\Desktop\NETCore\Aplicaciones>
```




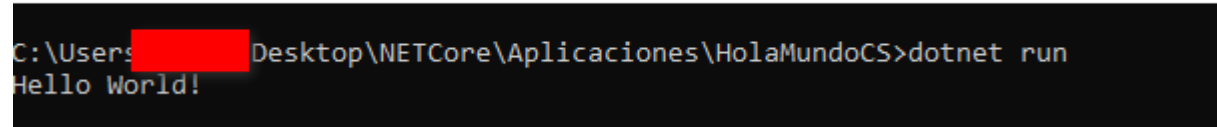
NETCore > Aplicaciones		▼ ↺
Nombre		Fecha de modifica..
 HolaMundoCS		30/01/2019 15:46

Genera carpeta con el nombre del proyecto que está rellena con un esqueleto de proyecto c#



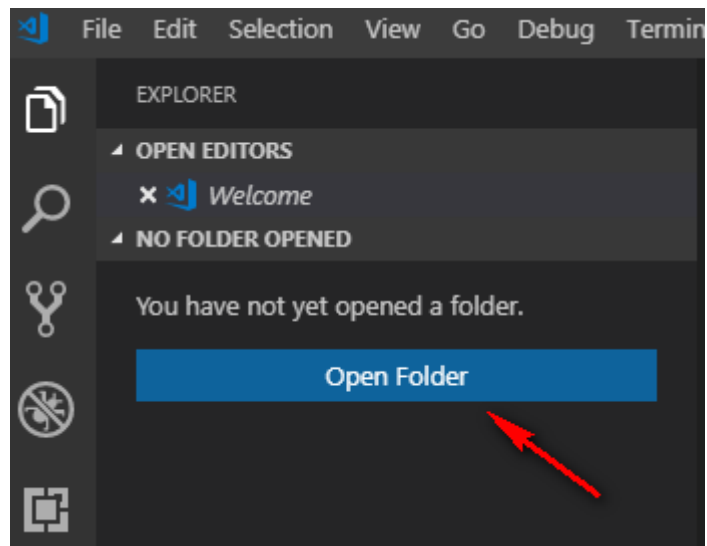
NETCore > Aplicaciones > HolaMundoCS		▼ ↺	E
Nombre		Fecha de modifica...	
 obj		30/01/2019 15:46	
 HolaMundoCS.csproj		30/01/2019 15:46	
 Program.cs		30/01/2019 15:46	

 Símbolo del sistema

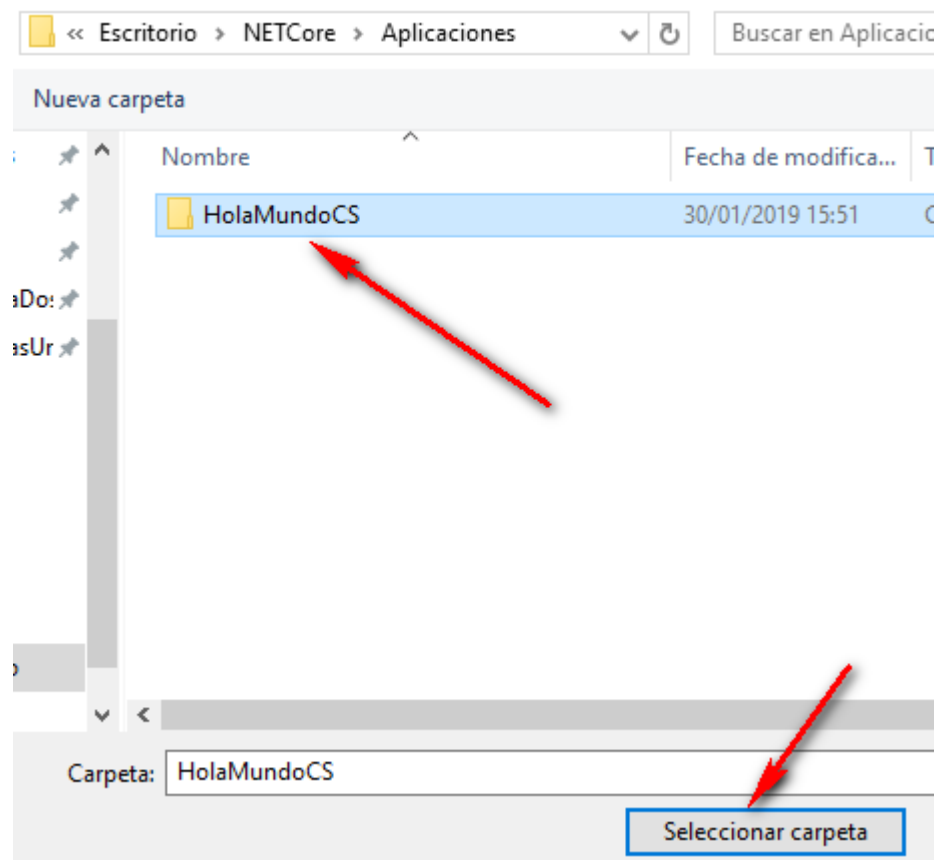


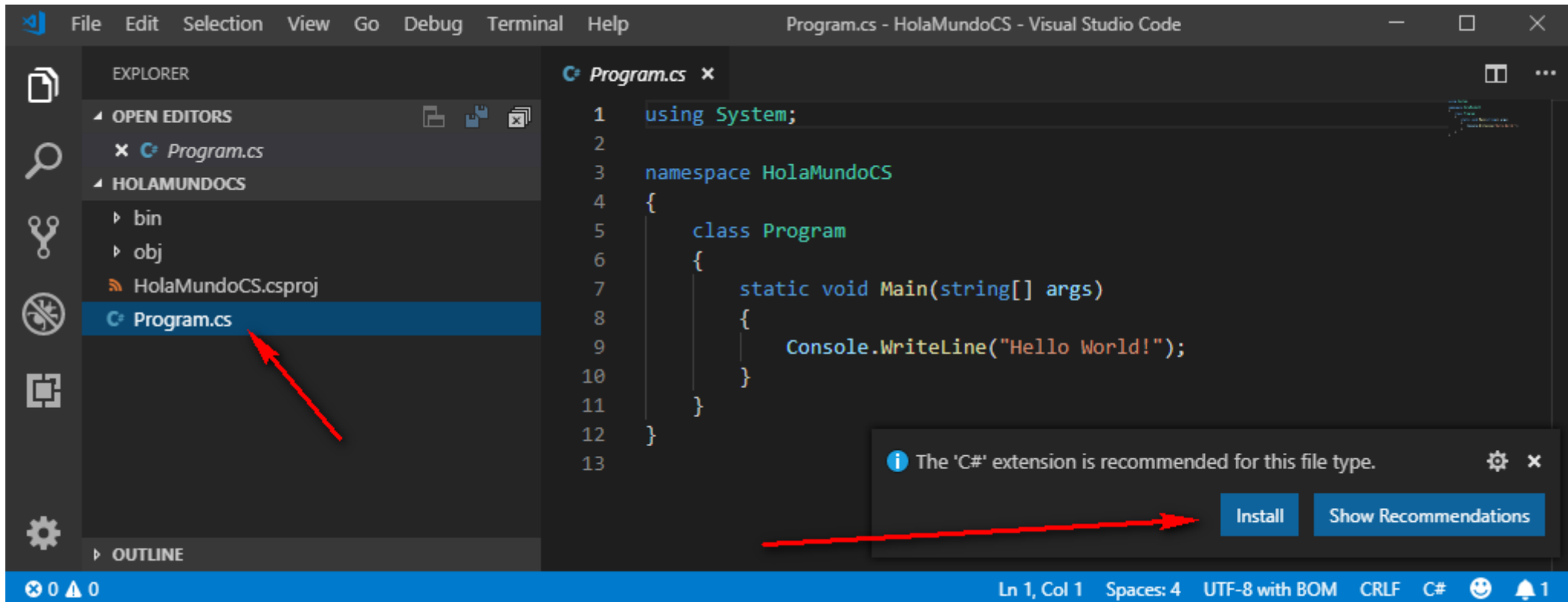
```
C:\Users\██████████\Desktop\NETCore\Aplicaciones\HolaMundoCS>dotnet run
Hello World!
```

Un cmd ejecutando en la carpeta
dotnet run
Compila y ejecuta el programa de consola



Lo vemos en el VSCode.
Abrimos la carpeta...





Instalamos c# extension, como recomienda cuando hacemos click en program.cs.
Reiniciamos el vscode para que se instale tras la carga

Hasta que termine....

```
Installing C# dependencies...
Platform: win32, x86_64

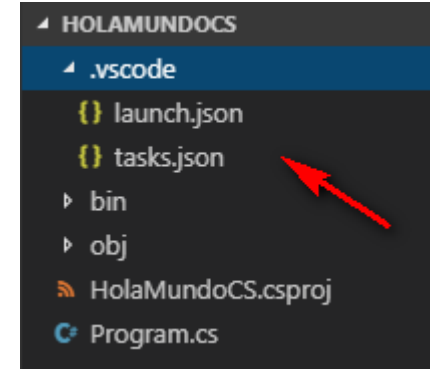
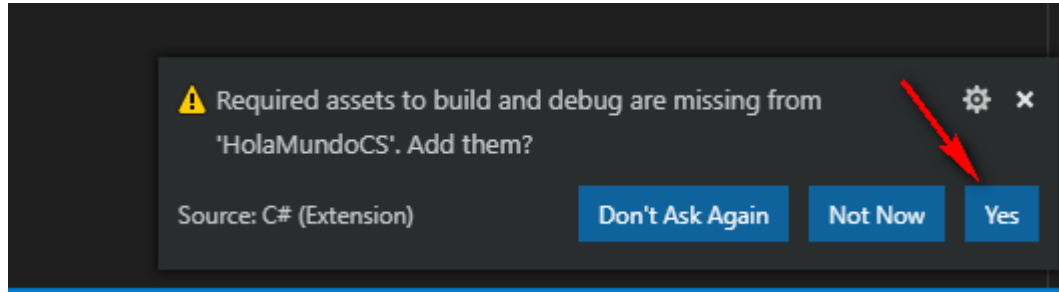
Downloading package 'OmniSharp for Windows (.NET 4.6 / x64)' (31021 KB)..... Done!
Installing package 'OmniSharp for Windows (.NET 4.6 / x64)'

Downloading package '.NET Core Debugger (Windows / x64)' (43046 KB)..... Done!
Installing package '.NET Core Debugger (Windows / x64)'

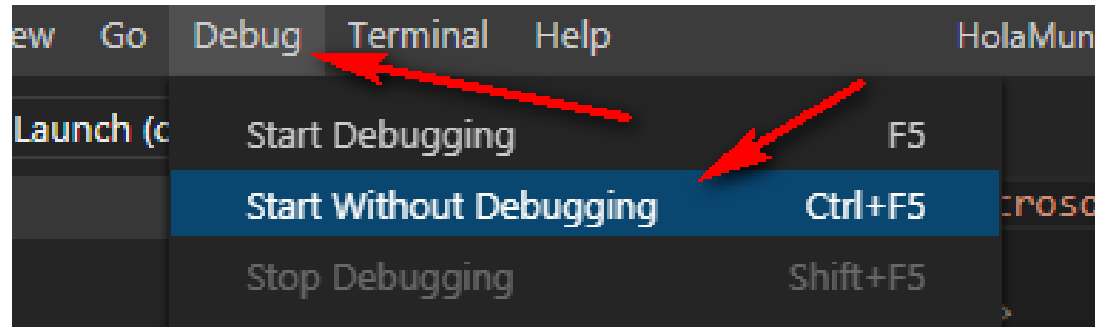
Downloading package 'Razor Language Server (Windows / x64)' (46894 KB)..... Done!
Installing package 'Razor Language Server (Windows / x64)'

Finished
```

Completa el proyecto...



Ejecutar....



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

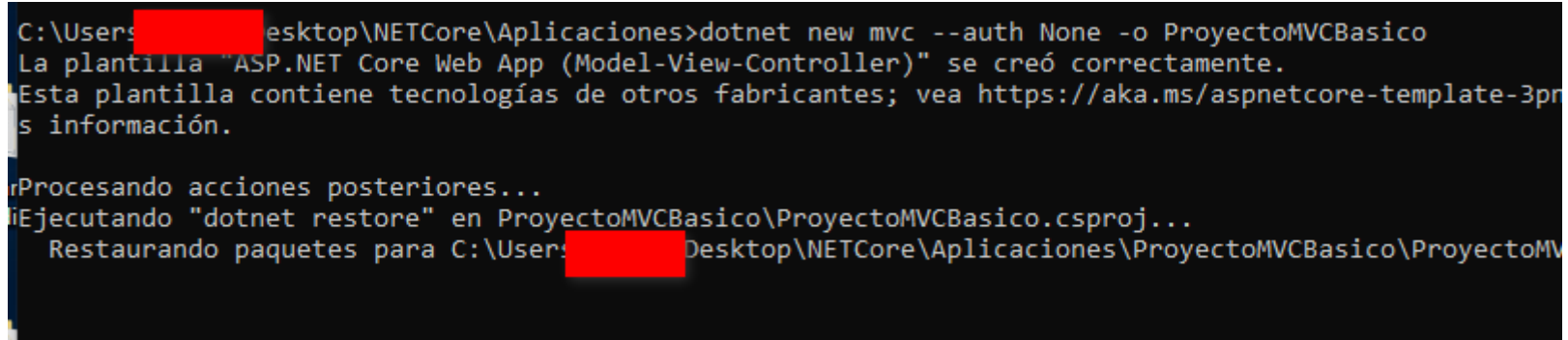
-----
You may only use the Microsoft .NET Core Debugger (vsdbg) with
Visual Studio Code, Visual Studio or Visual Studio for Mac software
to help you develop and test your applications.
-----

Hello World!
```

Vamos a generar un proyecto MVC con contenidos básicos...

Abrimos un cmd y nos situamos con cd en la carpeta que contiene nuestros proyectos.

Luego ejecutamos el comando de creación del proyecto:
`dotnet new mvc --auth None -o ProyectoMVCBasico`

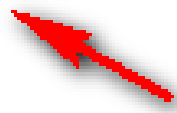
A screenshot of a Windows Command Prompt window with a black background and white text. The prompt shows the execution of the command 'dotnet new mvc --auth None -o ProyectoMVCBasico' in the directory 'C:\Users\...esktop\NETCore\Aplicaciones'. The output indicates that the 'ASP.NET Core Web App (Model-View-Controller)' template was created successfully. It also mentions that the template contains technologies from other manufacturers and provides a URL for more information. The process continues with 'Procesando acciones posteriores...' and 'Ejecutando "dotnet restore" en ProyectoMVCBasico\ProyectoMVCBasico.csproj...'. The final line shows 'Restaurando paquetes para C:\Users\...esktop\NETCore\Aplicaciones\ProyectoMVCBasico\ProyectoMVCBasico.csproj...'.

Debe indicar al final Restauración correcta.

NETCore > Aplicaciones

Nombre

- HolaMundoCS
- ProyectoMVCBasico



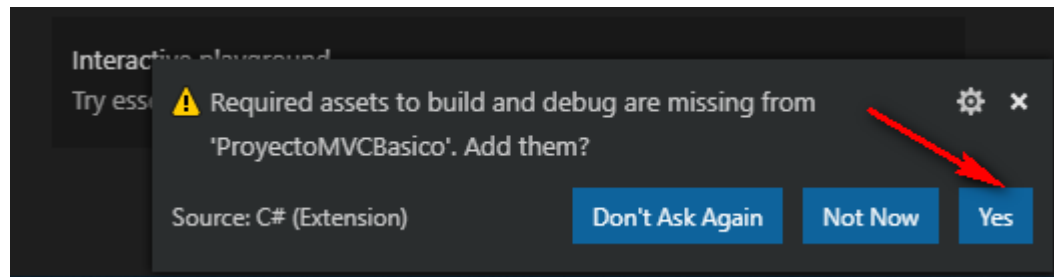
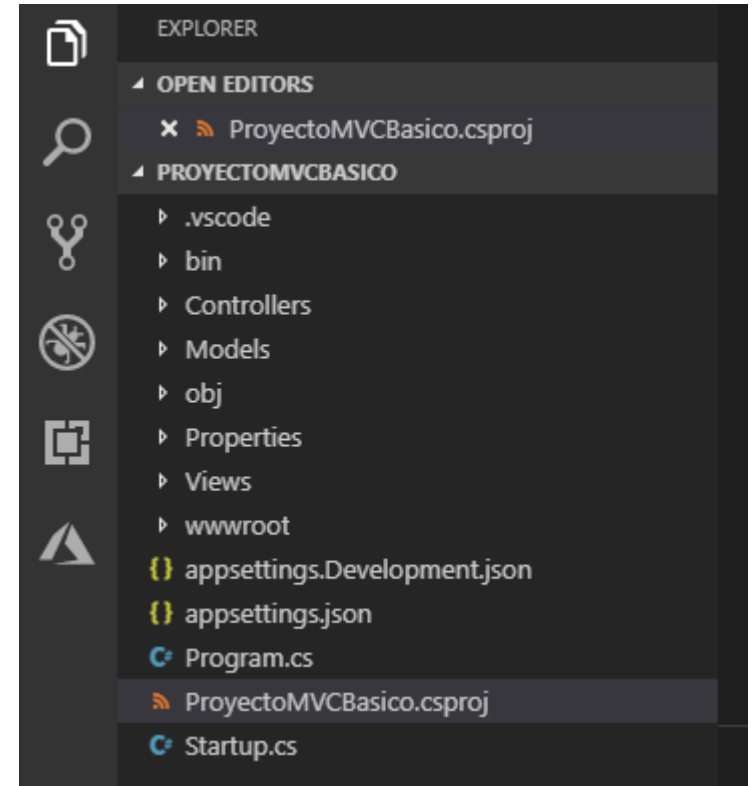
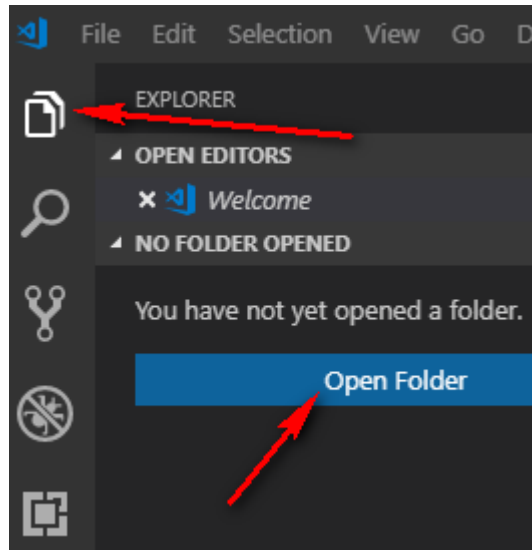
NETCore > Aplicaciones > ProyectoMVCBasico

Nombre

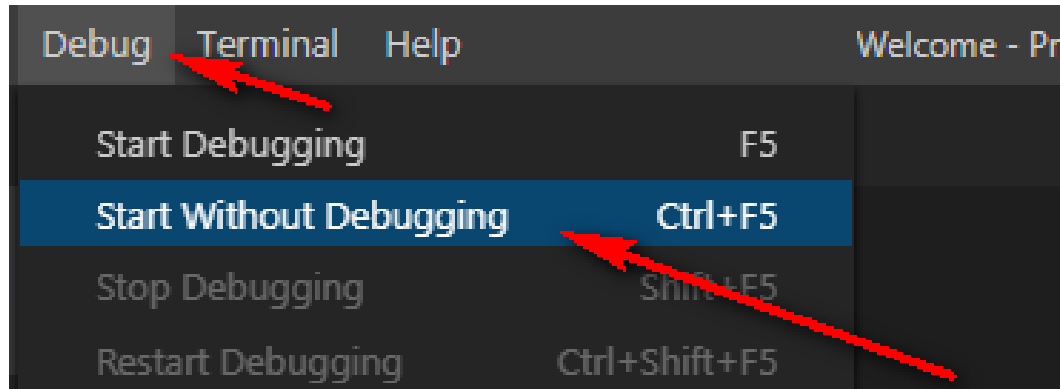
Fecha d

- | | |
|------------------------------|---------|
| Controllers | 31/01/2 |
| Models | 31/01/2 |
| obj | 31/01/2 |
| Properties | 31/01/2 |
| Views | 31/01/2 |
| wwwroot | 31/01/2 |
| appsettings.Development.json | 31/01/2 |
| appsettings.json | 31/01/2 |
| Program.cs | 31/01/2 |
| ProyectoMVCBasico.csproj | 31/01/2 |
| Startup.cs | 31/01/2 |

Lo abrimos en VSCode



Aceptamos que incluya sus referencias



Compila y permite
verlo en el explorador...

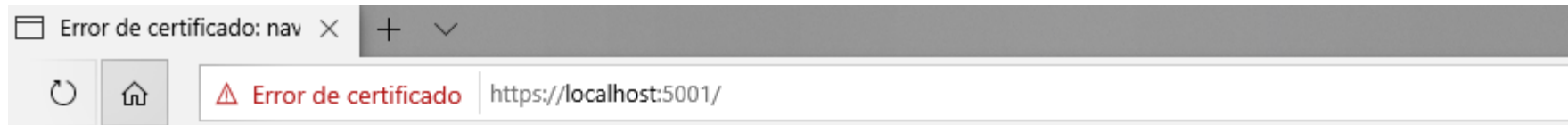
```
> Executing task: C:\Program Files\dotnet\dotnet.exe build C:\Us
csproj <

Microsoft (R) Build Engine versión 15.9.20+g88f5fadbfe para .NET
Copyright (C) Microsoft Corporation. Todos los derechos reservad

Restauración realizada en 89,88 ms para C:\Users\arodp\Desktop\
ProyectoMVCBasico -> C:\Users\arodp\Desktop\NETCore\Aplicacion
ProyectoMVCBasico -> C:\Users\arodp\Desktop\NETCore\Aplicacion


Compilación correcta.
    0 Advertencia(s)
    0 Errores

Tiempo transcurrido 00:00:11.02
```



Este sitio no es seguro.

Es posible que haya una persona que intenta engañarte o robar la información que envías al servidor. Deberías cerrar este sitio inmediatamente.

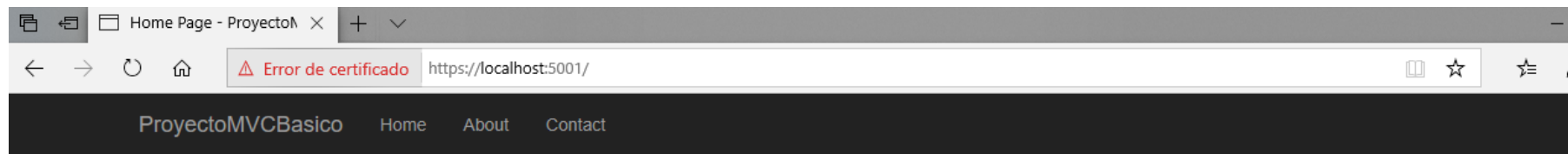
 [Ir a la página Inicio](#)

Detalles

Tu equipo no confía en el certificado de seguridad de este sitio web.

Código de error: `DLG_FLAGS_INVALID_CA`

[Acceder a la página web](#) (No recomendado)



There are powerful new features in Visual Studio for building modern web apps.

[Learn More](#)



Application uses

- Sample pages using ASP.NET Core MVC
- Theming using [Bootstrap](#)

How to

- [Add a Controller and View](#)
- [Manage User Secrets using Secret Manager.](#)
- [Use logging to log a message.](#)
- [Add packages using NuGet.](#)
- [Target development, staging or production environment.](#)

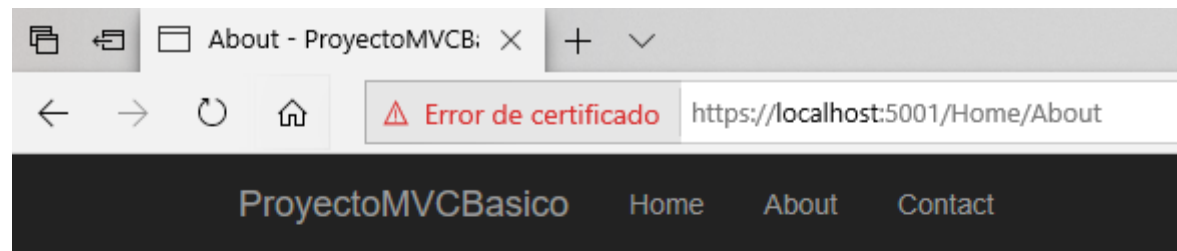
Overview

- [Conceptual overview of what is ASP.NET Core](#)
- [Fundamentals of ASP.NET Core such as Startup and middleware.](#)
- [Working with Data](#)
- [Security](#)
- [Client side development](#)
- [Develop on different platforms](#)
- [Read more on the documentation site](#)

Run & Deploy

- [Run your app](#)
- [Run tools such as EF migrations and more](#)
- [Publish to Microsoft Azure Web Apps](#)

Opción About



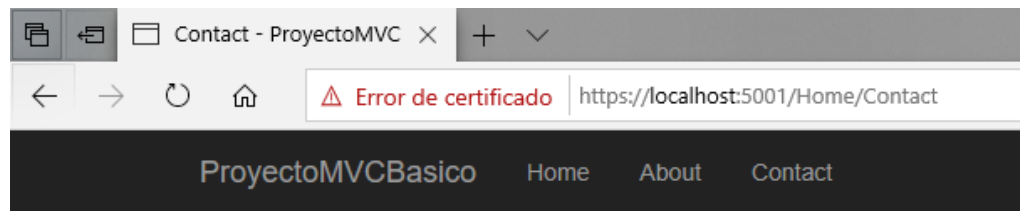
About

Your application description page.

Use this area to provide additional information.

© 2019 - ProyectoMVCBasico

Opción Contact



Contact

Your contact page.

One Microsoft Way
Redmond, WA 98052-6399
P: 425.555.0100

Support: Support@example.com
Marketing: Marketing@example.com

© 2019 - ProyectoMVCBasico



Azure App Service

Preview

Microsoft | 84.968 installs | 294.104 downloads | ★★★★★ (8) | Free

An Azure App Service management extension for Visual Studio Code.

Install

[Trouble Installing?](#)

[Overview](#) [Q & A](#) [Rating & Review](#)

Azure App Service for Visual Studio Code (Preview)

Visual Studio Marketplace

v0.11.0

installs

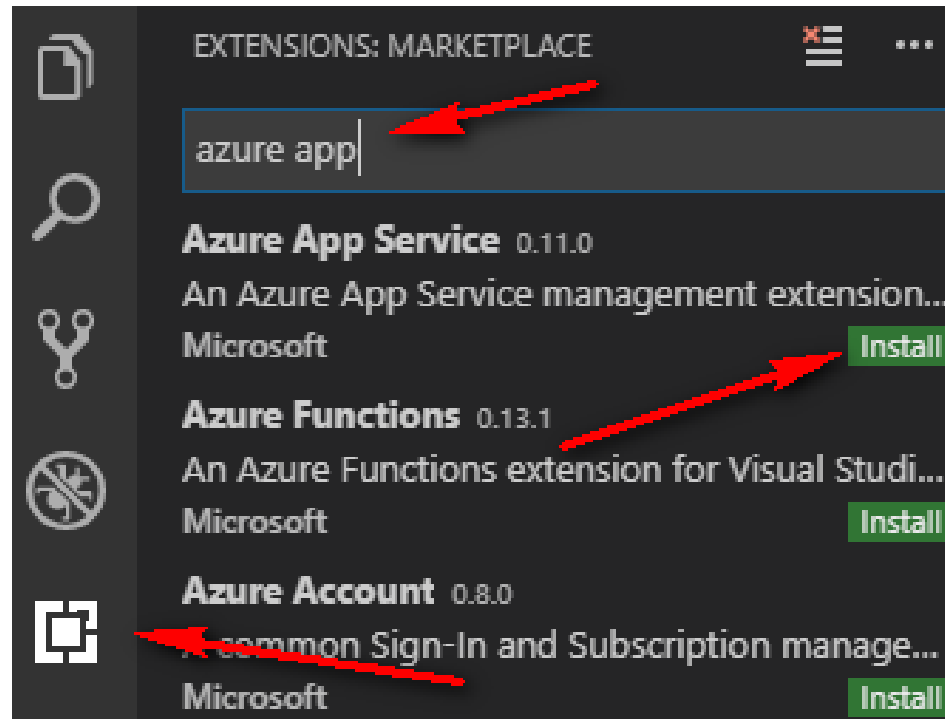
84.97K

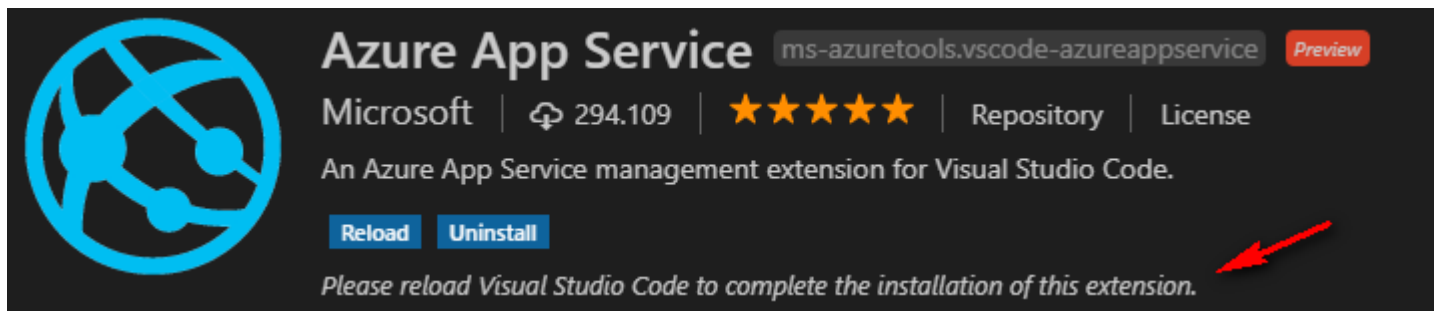


Azure Pipelines

succeeded

App Service is Azure's fully-managed Platform as a Service (PaaS) that let's you deploy and scale web, mobile, and API apps. Use the Azure App Service extension for VS Code to quickly create, manage, and deploy your websites.





The image shows the Azure App Service extension page in Visual Studio Code. On the left is the extension's icon, a blue circle with a network-like pattern. To the right of the icon, the text 'Azure App Service' is displayed in a large font, followed by the extension ID 'ms-azuretools.vscode-azureappservice' in a smaller font. Below this, it says 'Microsoft' followed by a download icon and the number '294.109', then five yellow stars, and finally 'Repository' and 'License' links. A description reads 'An Azure App Service management extension for Visual Studio Code.' Below the description are two buttons: 'Reload' and 'Uninstall'. At the bottom, a message states 'Please reload Visual Studio Code to complete the installation of this extension.' A red arrow points to this message.

Azure App Service ms-azuretools.vscode-azureappservice Preview

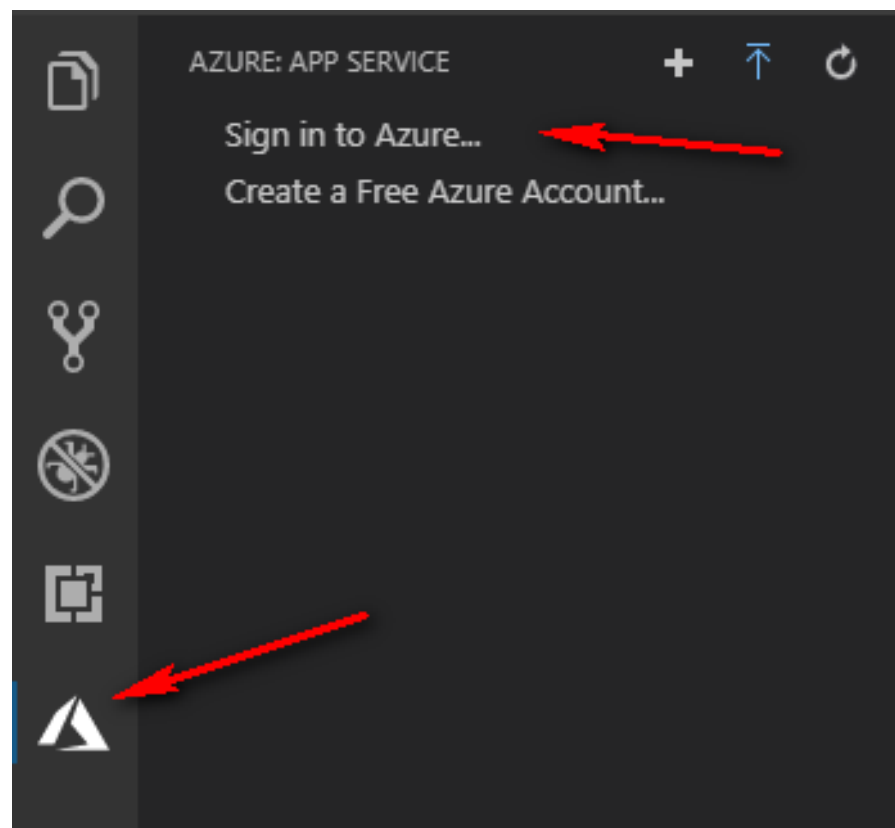
Microsoft | 294.109 | ★★★★★ | Repository | License

An Azure App Service management extension for Visual Studio Code.

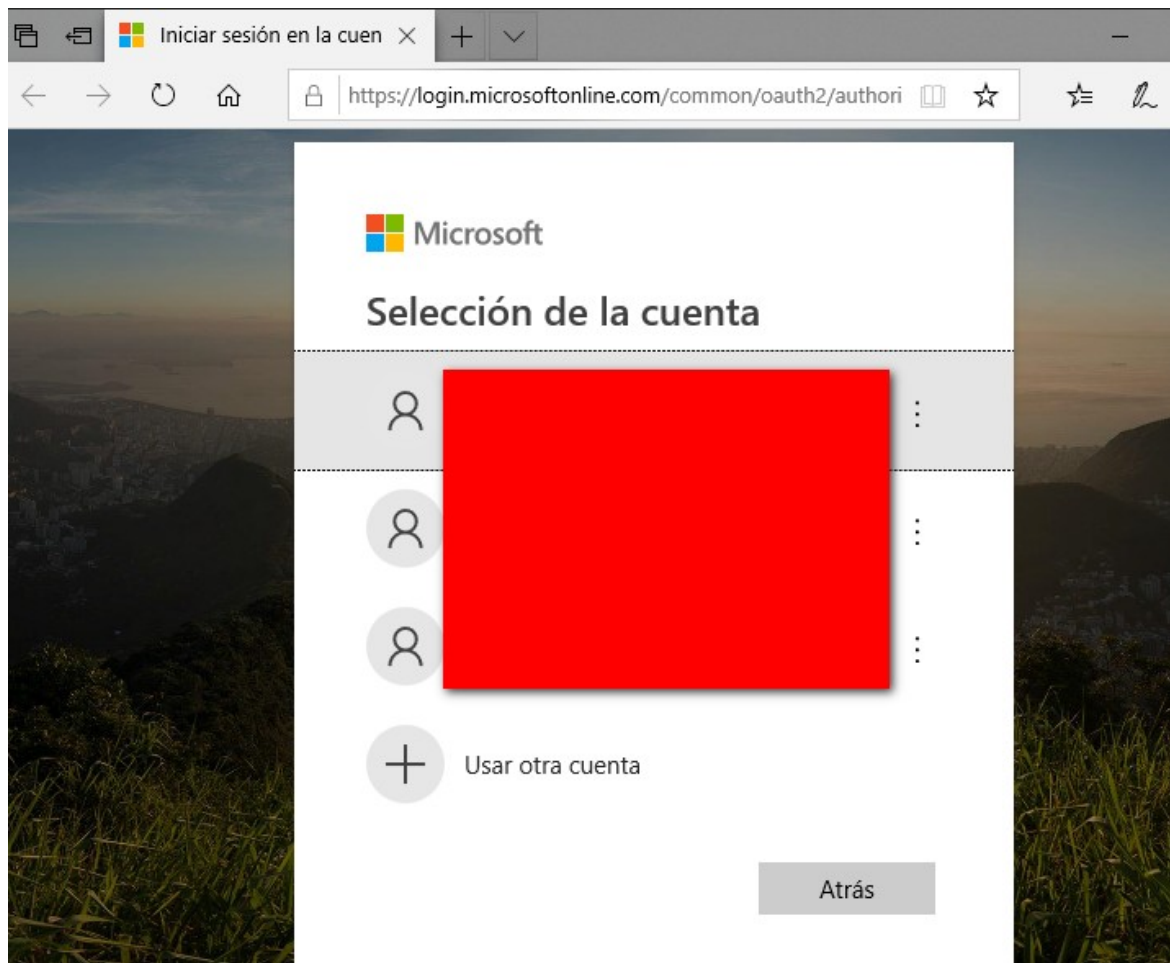
Reload Uninstall

Please reload Visual Studio Code to complete the installation of this extension.

Reiniciamos el vsCode para que se instale.



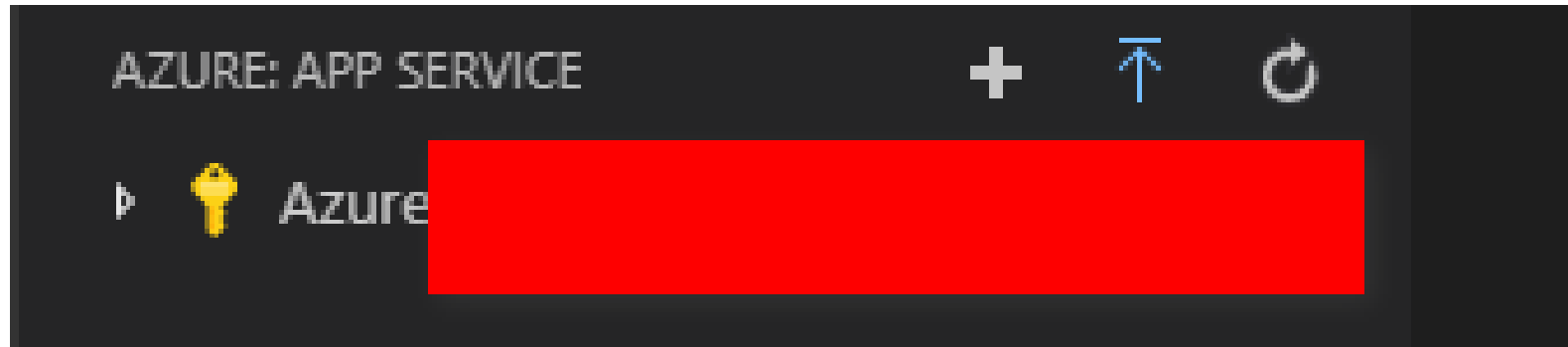
Seleccionamos las credenciales con las que vamos a entrar en Azure



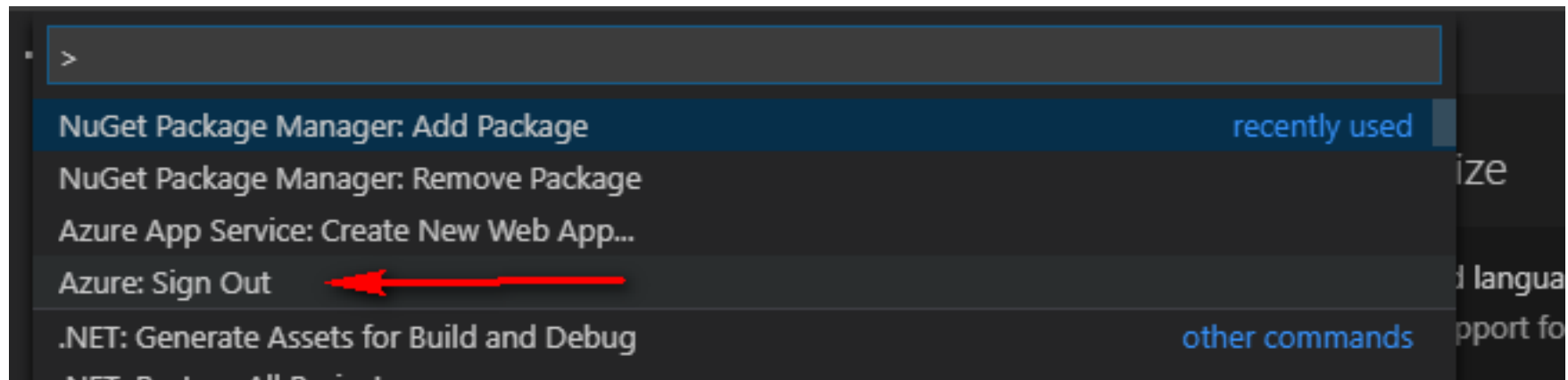
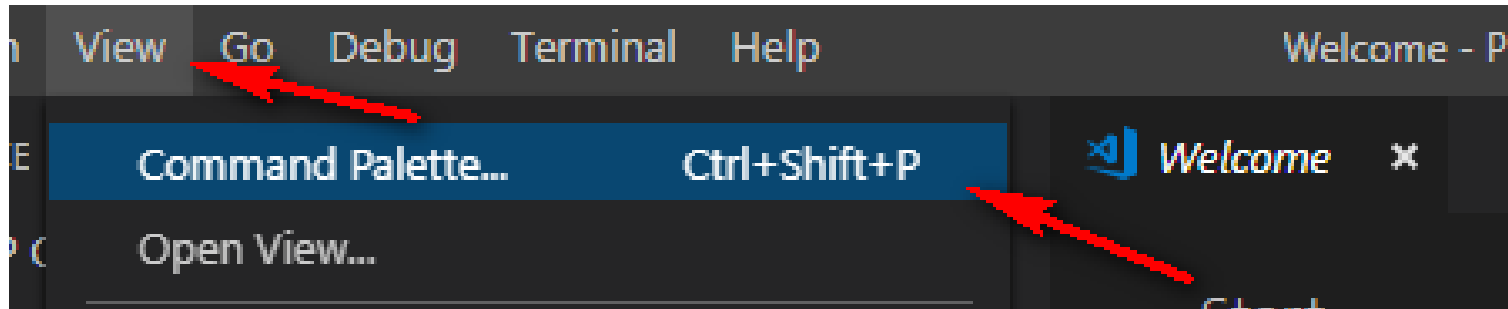
Después nos indica que ya podemos cerrar el navegador

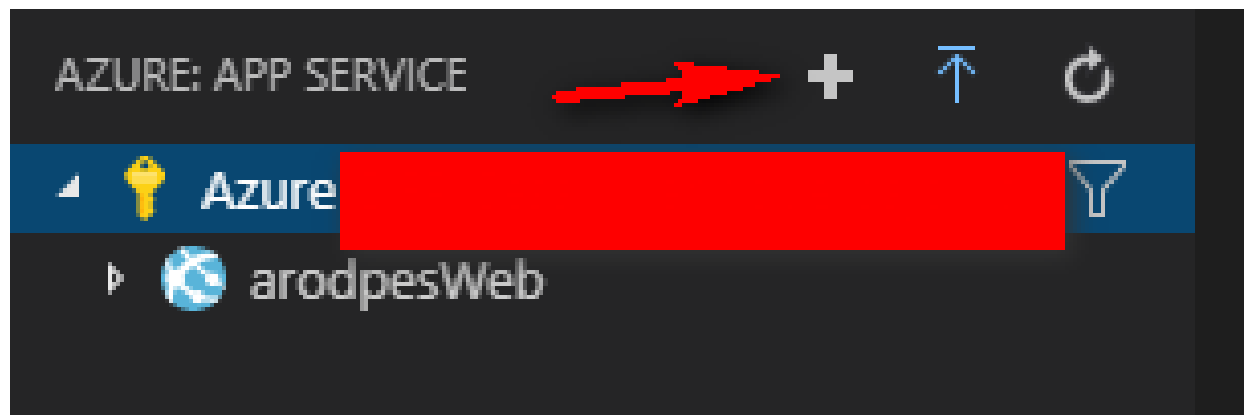
You are signed in now and can close this page.

Tenemos la suscripción disponible

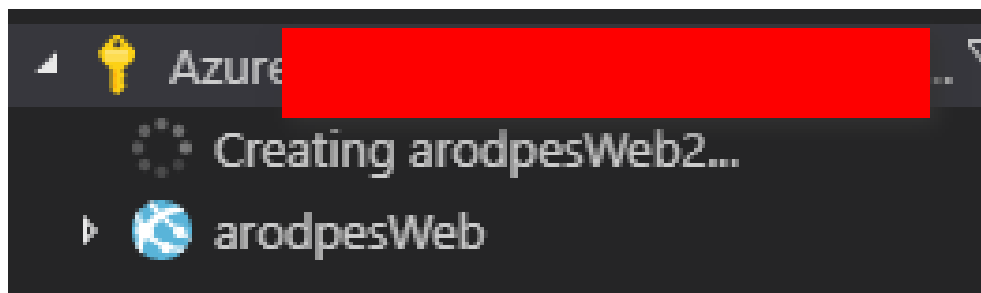
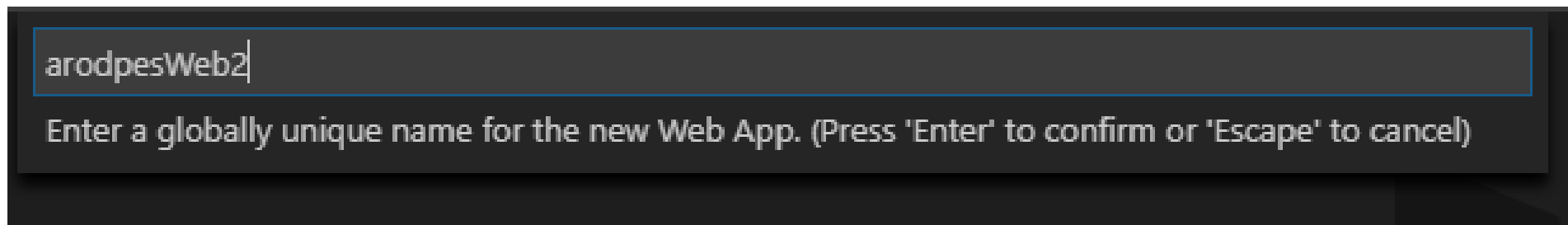


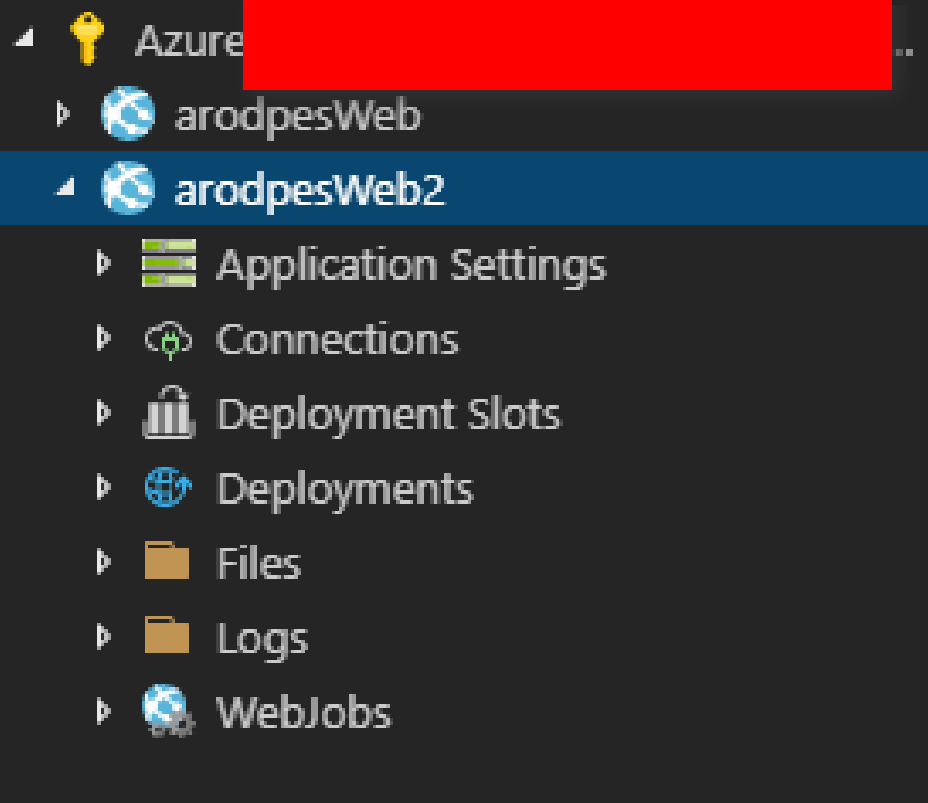
Cuando queramos desconectarla haremos lo siguiente...



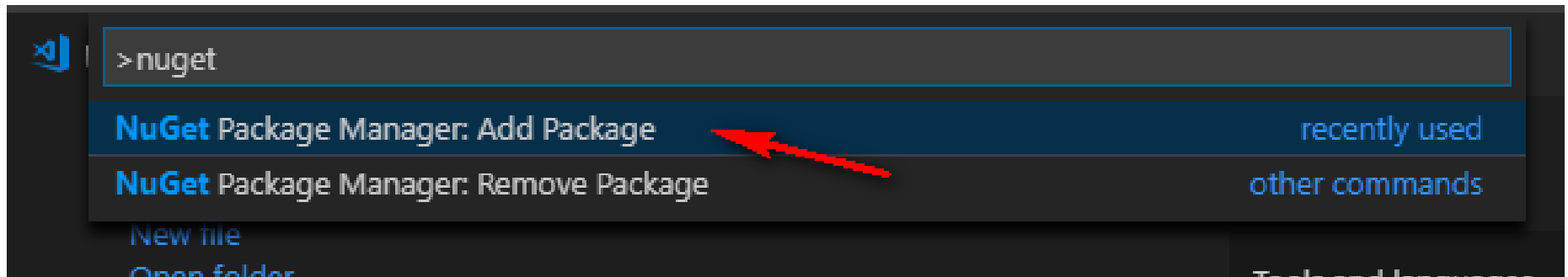
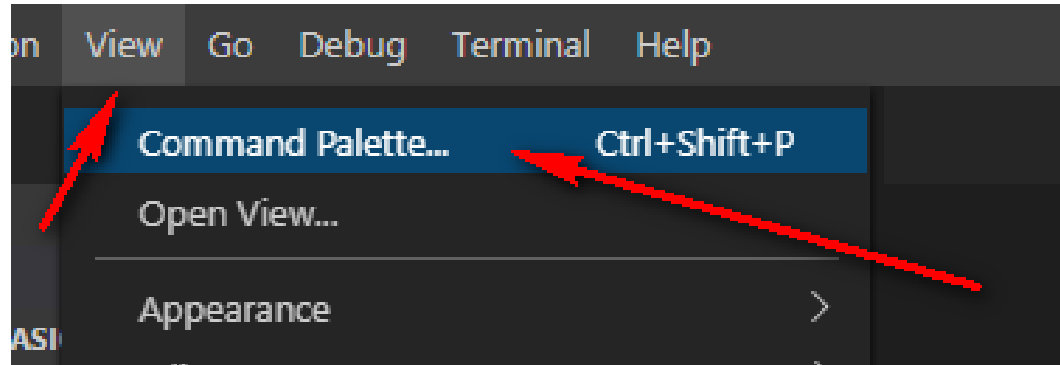


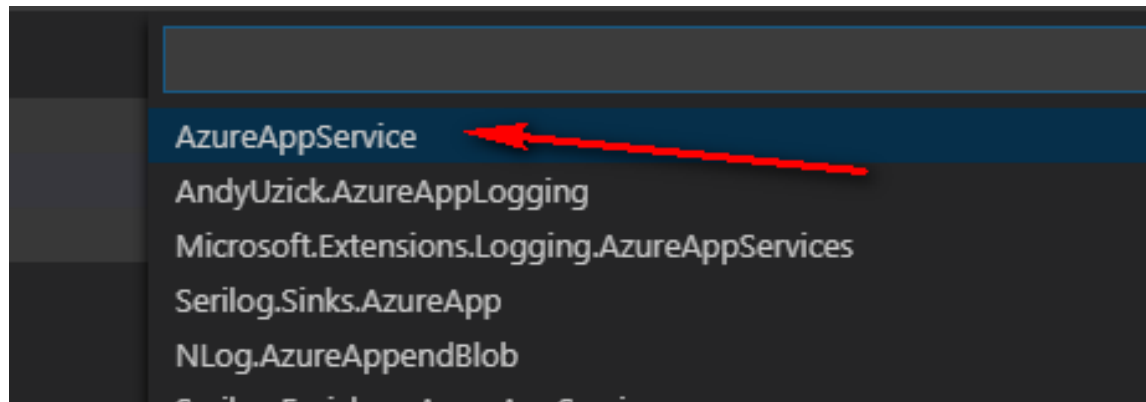
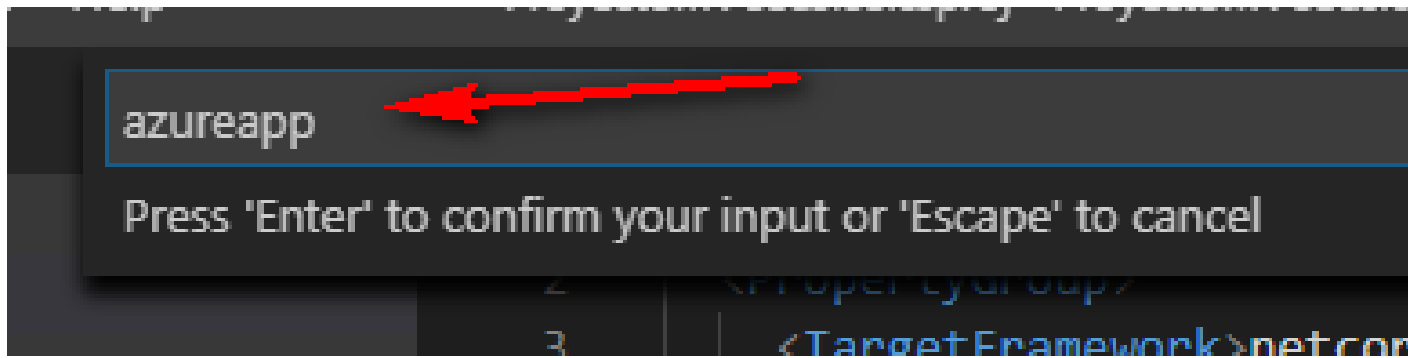
Añadiremos una web app para desplegar nuestra aplicación, o veremos las que tenemos generadas para usarlas en el despliegue.

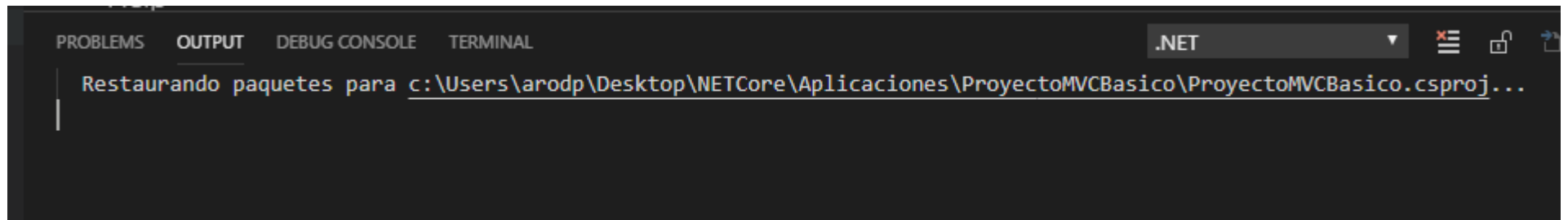
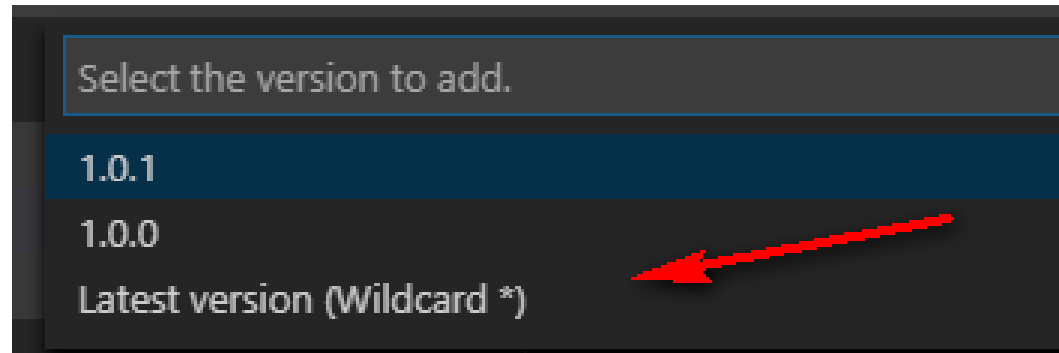




Microsoft.AspNetCore.AzureAppServices.HostingStartup



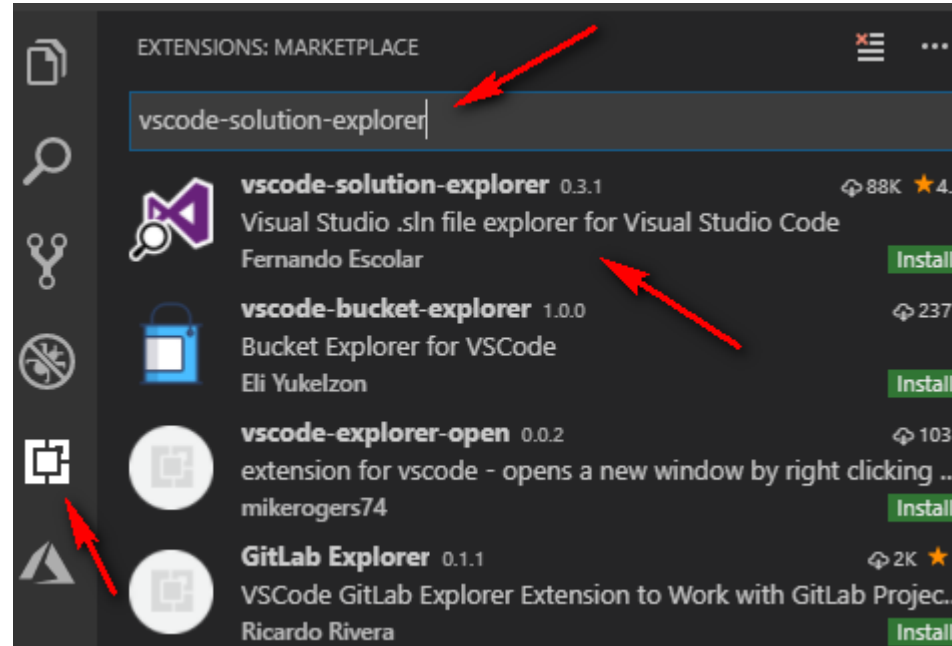


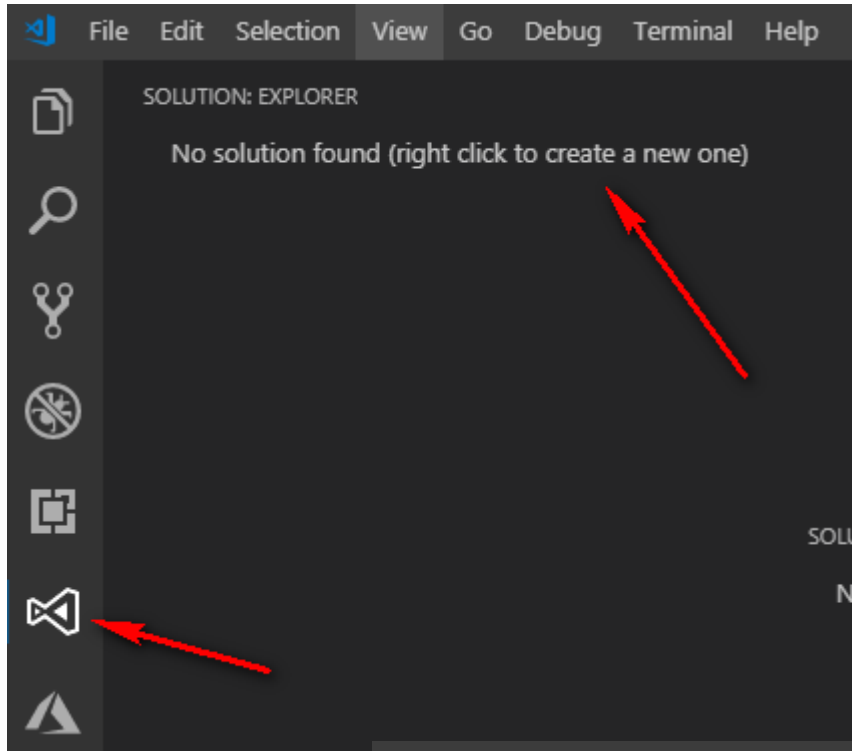


ProyectoMVCBasico.csproj x

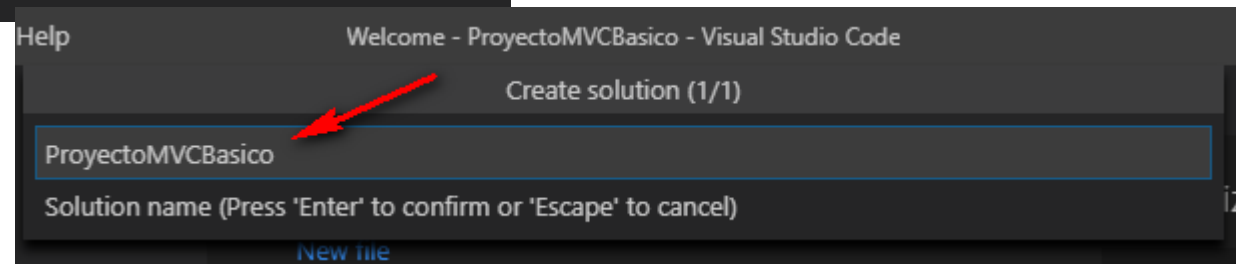
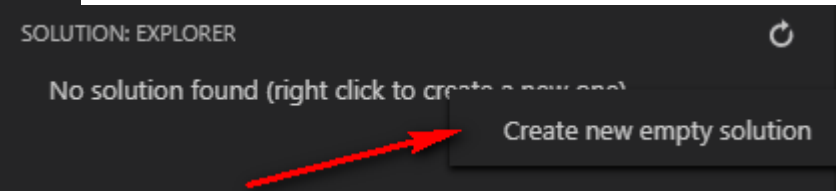
```
1 <Project Sdk="Microsoft.NET.Sdk.Web">
2   <PropertyGroup>
3     <TargetFramework>netcoreapp2.1</TargetFramework>
4     <UserSecretsId>[REDACTED]</UserSecretsId>
5   </PropertyGroup>
6   <ItemGroup>
7     <PackageReference Include="Microsoft.AspNetCore.App" />
8     <PackageReference Include="Microsoft.AspNetCore.Razor.Design" Version="2.1.2" PrivateAsse
9     <PackageReference Include="AzureAppService" Version="1.0.1" />
10  </ItemGroup>
11 </Project>
```

<https://www.dotnetcurry.com/visualstudio/1451/dotnet-core-development-vs-code>






Crearemos una solución en la misma carpeta que el proyecto, para después incluir el proyecto dentro de esta solución, creando así la estructura como el Visual Studio.



SOLUTION: EXPLORER

▸  ProyectoMVCRasico

Add existing project

Add new project

Create folder

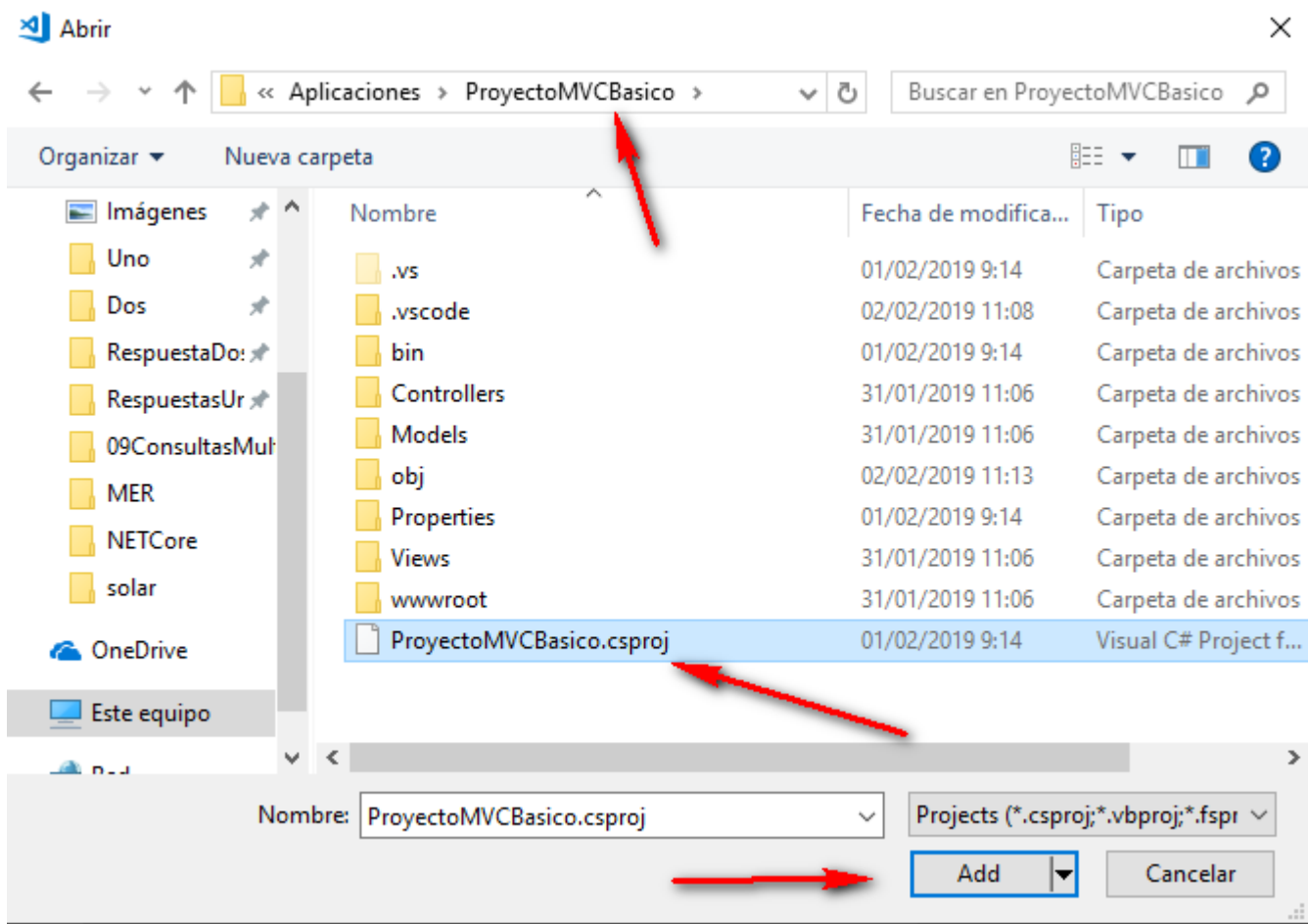
Ctrl+Shift+F

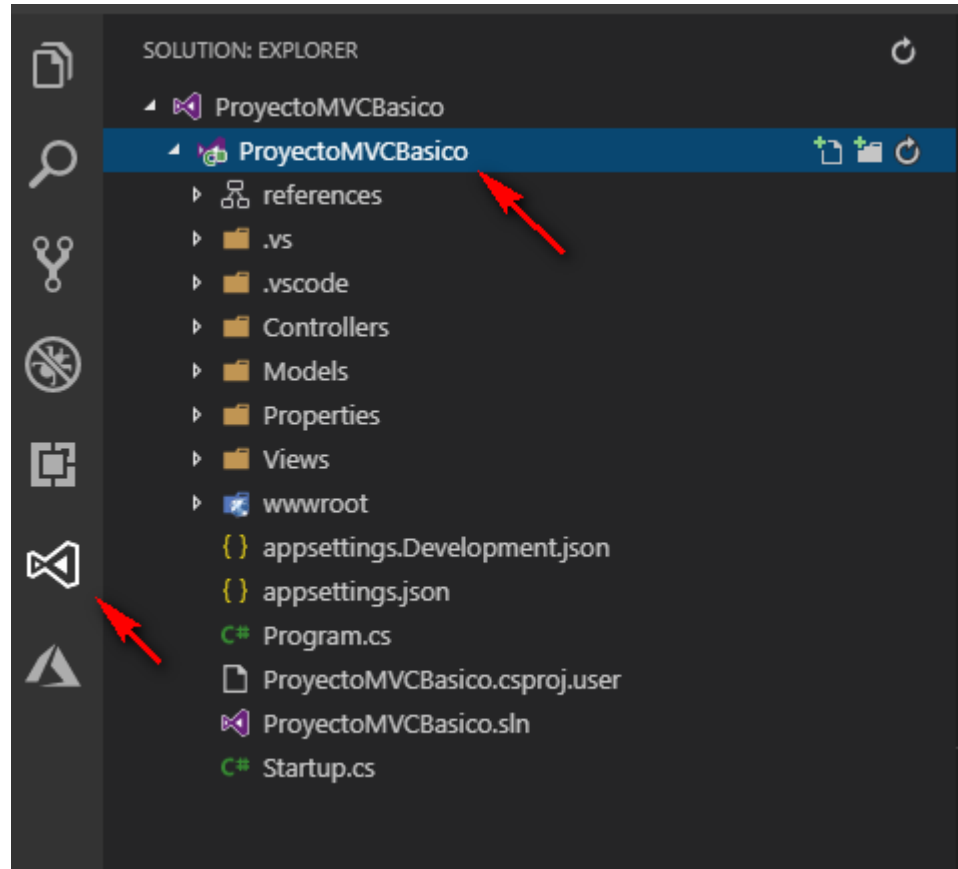
Open File

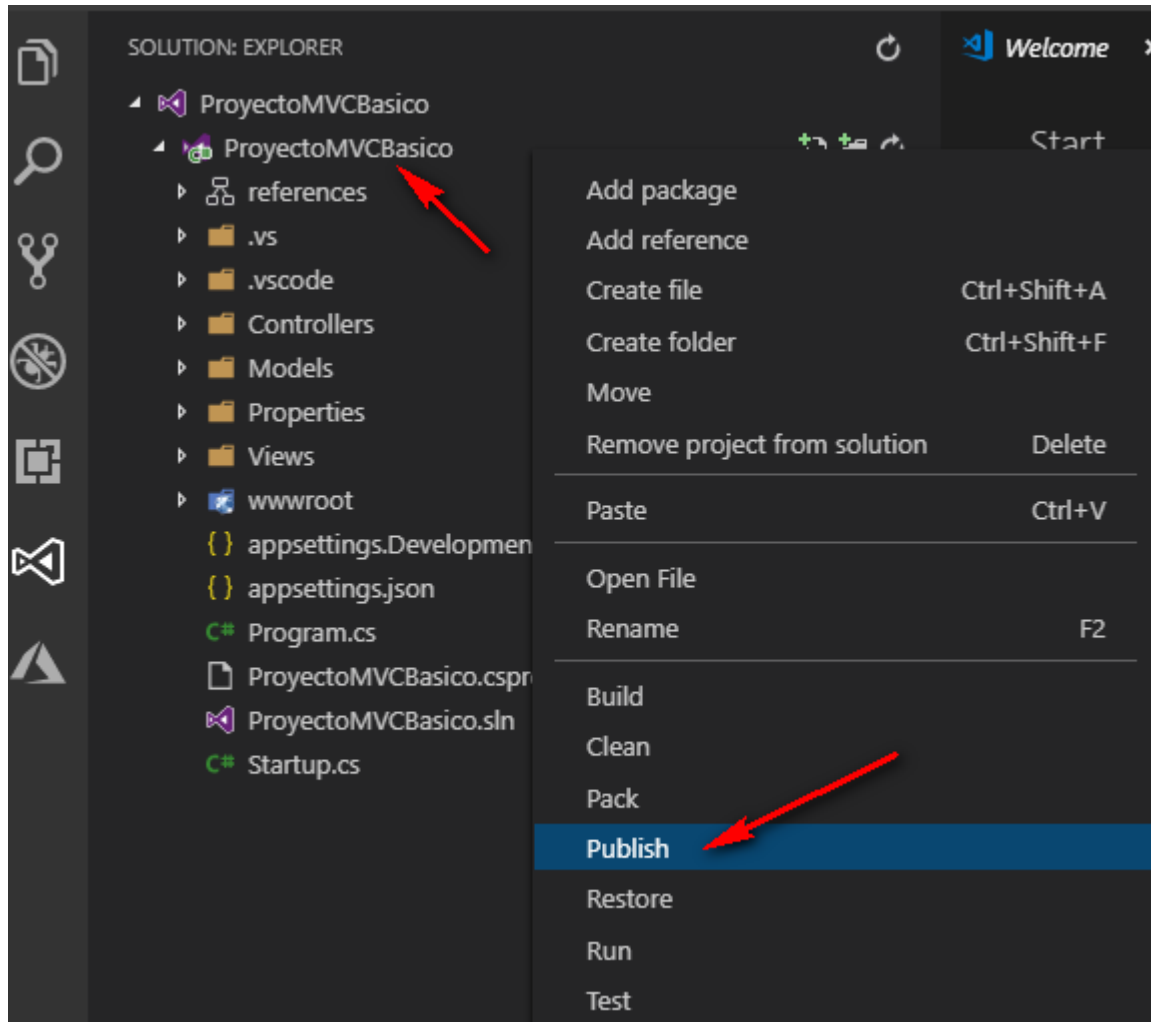
Rename

F2

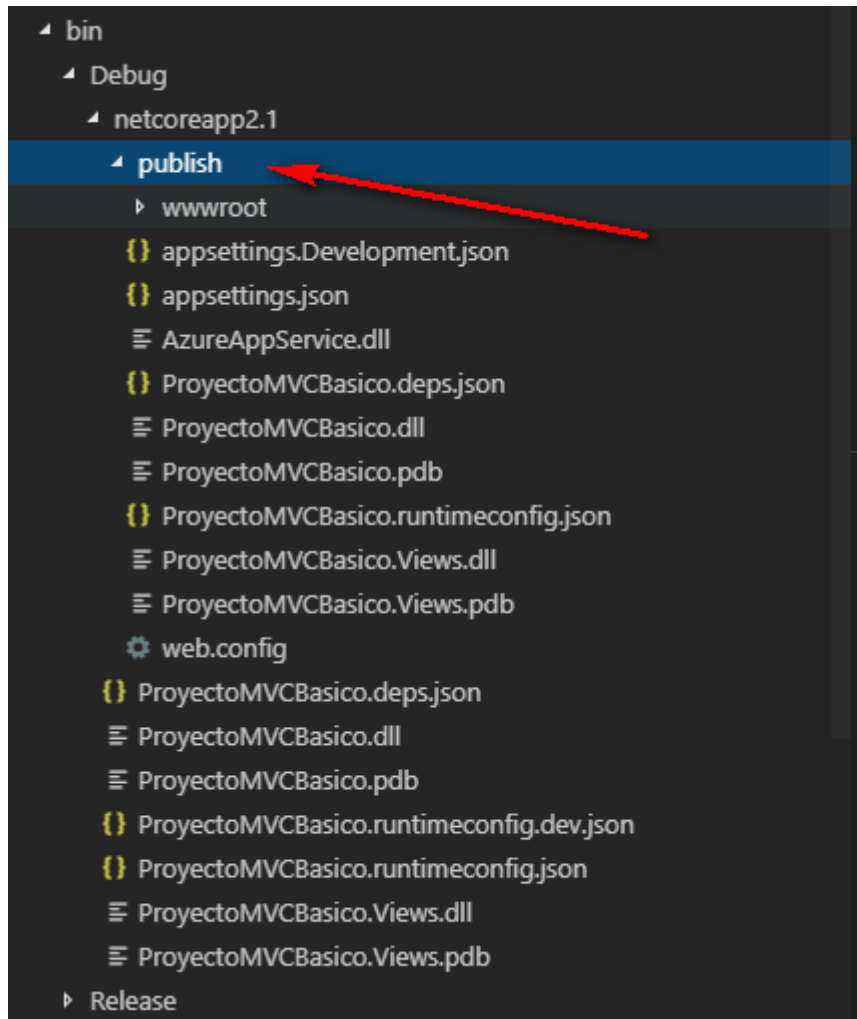




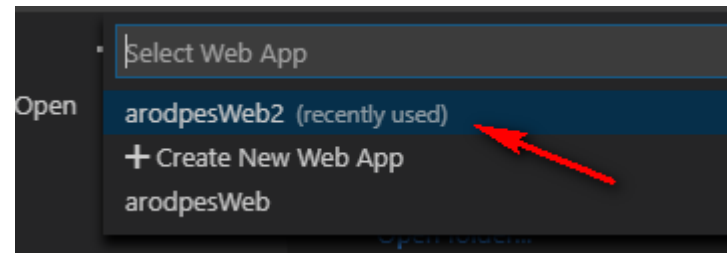
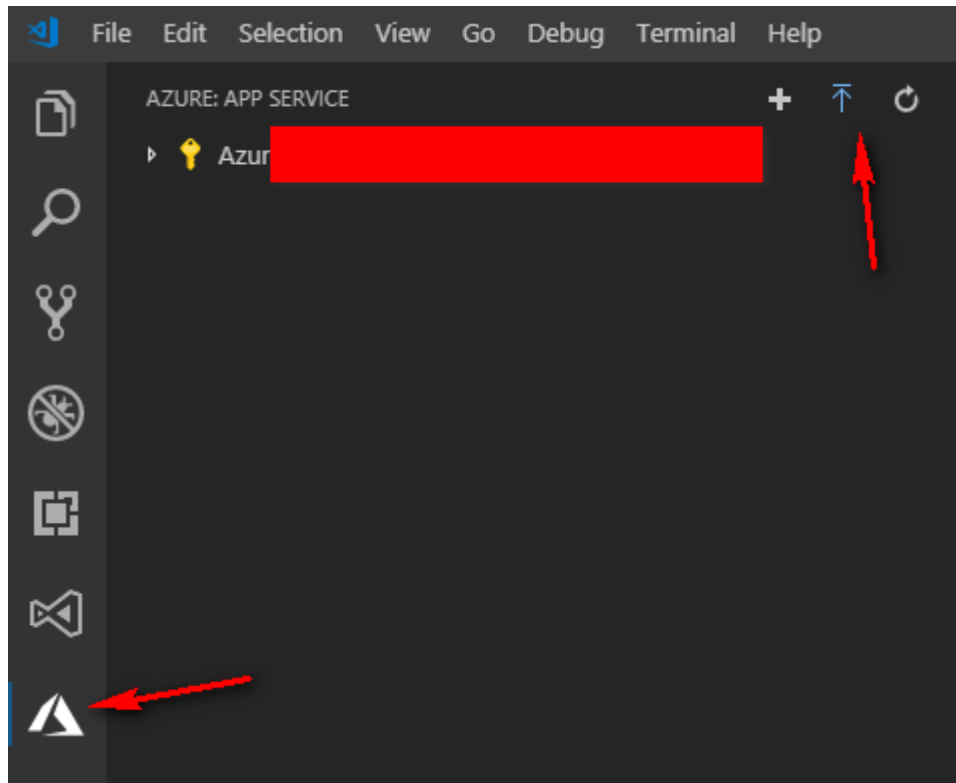




Ahora generamos la carpeta de publicación



Se genera carpeta publish
con el contenido a publicar.



Select the folder to deploy

Open  Browse... (recently used)

ProyectoMVCBasico c:\User [redacted]esktop\NETCore\Aplicaciones\ProyectoMVCBasico

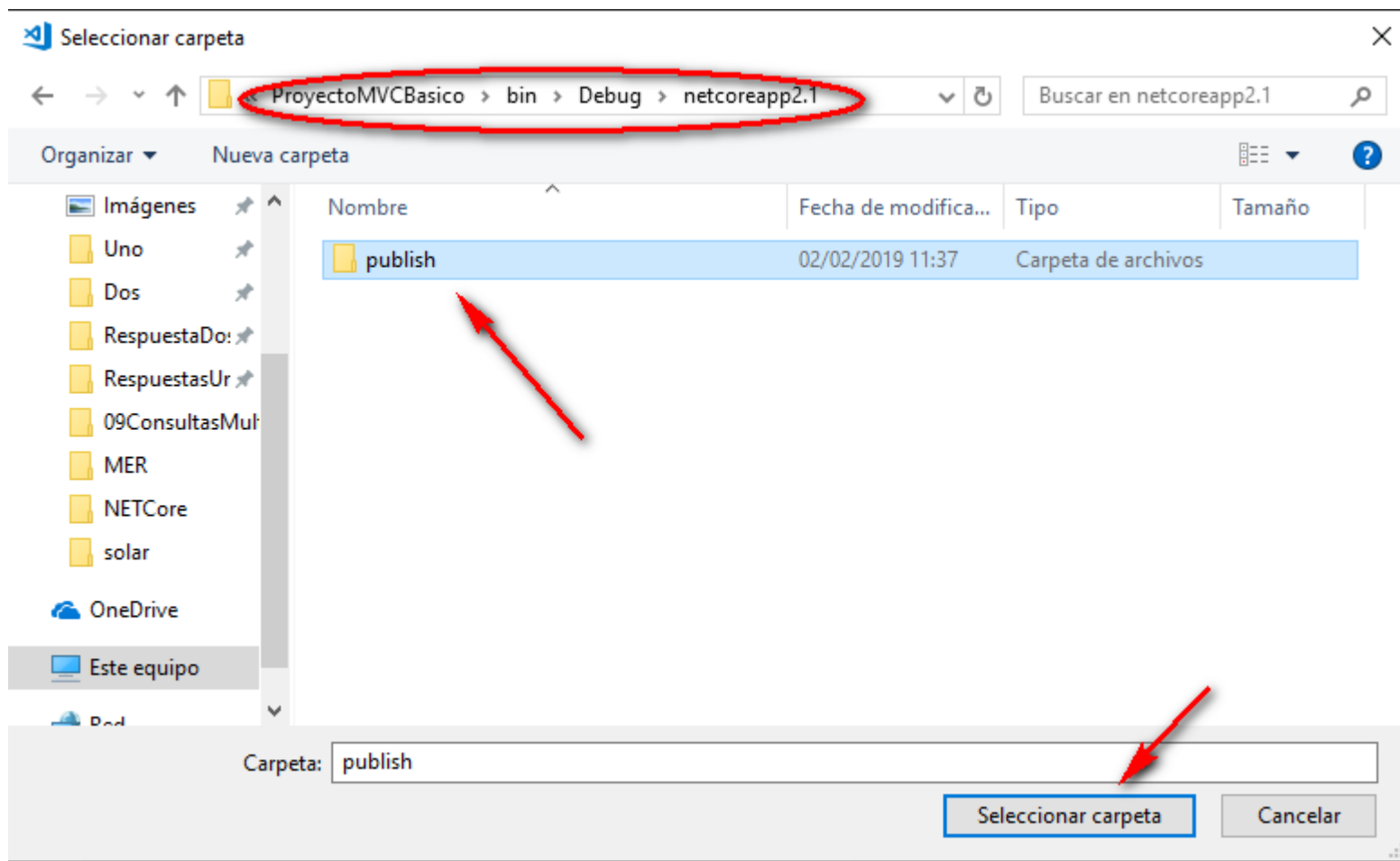
New file

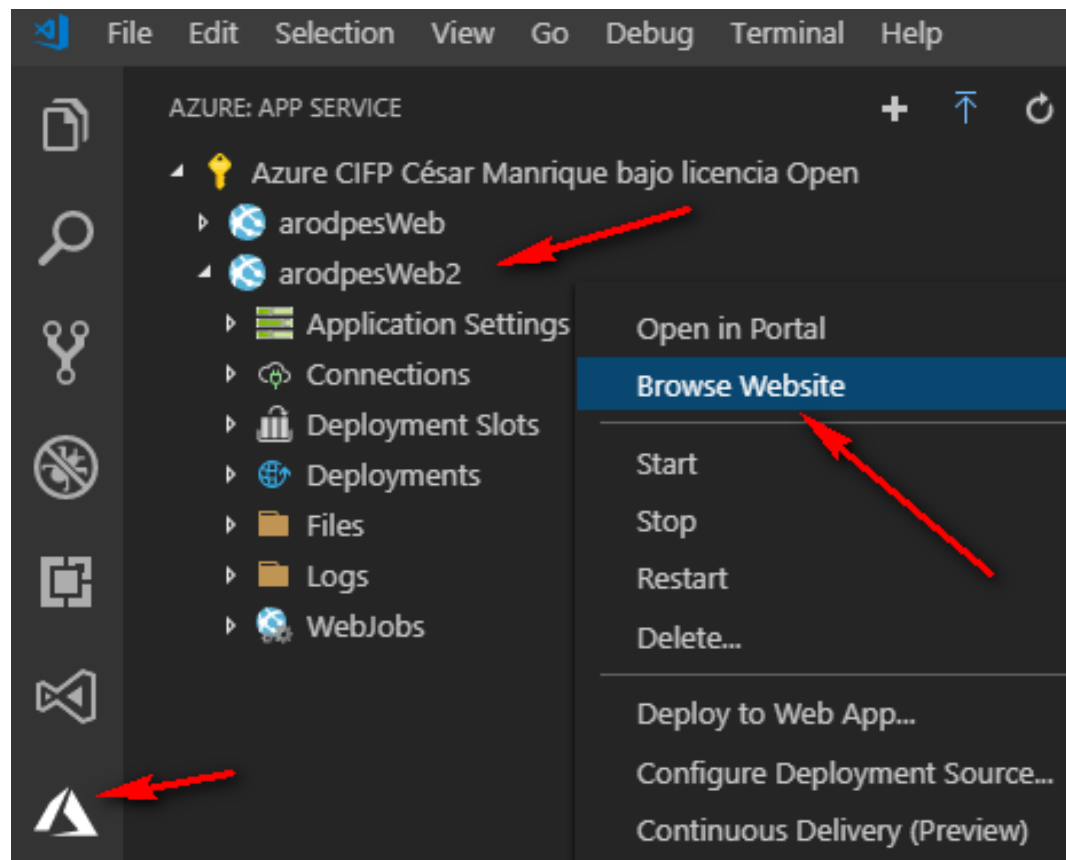
Open folder...

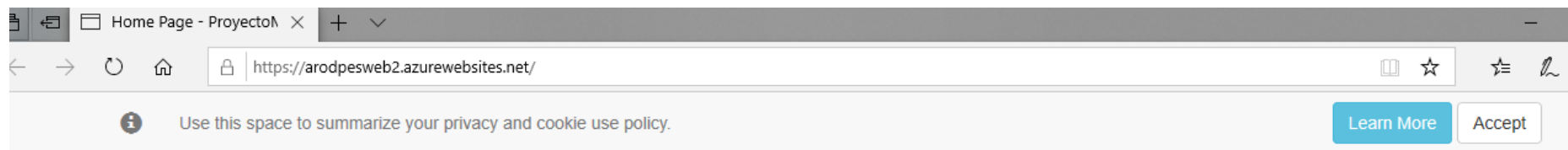
Add workspace folder...

Tools and

Install su







ASP.NET Core

Windows

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Application uses

- Sample pages using ASP.NET Core MVC
- Theming using [Bootstrap](#)

How to

- [Add a Controller and View](#)
- [Manage User Secrets using Secret Manager.](#)
- [Use logging to log a message.](#)
- [Add packages using NuGet.](#)
- [Target development, staging or production environment.](#)

Overview

- [Conceptual overview of what is ASP.NET Core](#)
- [Fundamentals of ASP.NET Core](#) such as Startup and middleware.
- [Working with Data](#)
- [Security](#)
- [Client side development](#)
- [Develop on different platforms](#)
- [Read more on the documentation site](#)

Run & Deploy

- [Run your app](#)
- [Run tools such as EF migrations and more](#)
- [Publish to Microsoft Azure Web Apps](#)