WEB
PROGRAMMING
ASP.NET MVC
CORE

macOS

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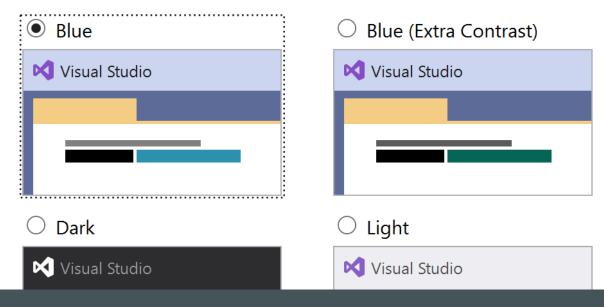
#### VISUAL STUDIO

#### Visual Studio

#### Start with a familiar environment

De<u>v</u>elopment Settings: General

#### Choose your color theme



#### Sign in to Visual Studio

Visual Studio will help you plan projects, collaborate with your team, and manage your code online from anywhere.

#### Learn more

Sign in to start using your Azure credits, publish code to a private Git repository, sync your settings, and unlock the IDE.

Sign in

No account? Create one!

Account options

#### All Accounts

Sign In...

#### Visual Studio

Community 2019

License: 30 day trial (for evaluation purposes only) Your evaluation period has ended.



1 Your evaluation period has ended. Please sign in to unlock the product.

Check for an updated license

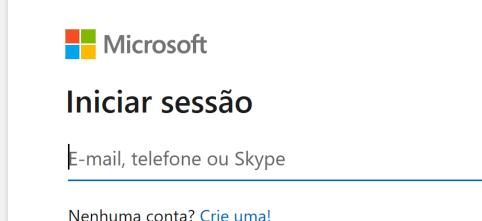
Exit Visual Studio

#### VISUAL STUDIO LOGIN

16.0.30413.136 D16.7

#### Visual Studio

## VISUAL STUDIO LOGIN



Não consegue aceder à sua conta?

Opções de início de sessão

Anterior

Seguinte

#### Visual Studio 2019

#### Open recent

As you use Visual Studio, any projects, folders, or files that you open will show up here for quick access.

You can pin anything that you open frequently so that it's always at the top of the list.

#### Get started



#### Clone a repository

Get code from an online repository like GitHub or Azure DevOps



#### Open a project or solution

Open a local Visual Studio project or .sln file



#### Open a local <u>f</u>older

Navigate and edit code within any folder



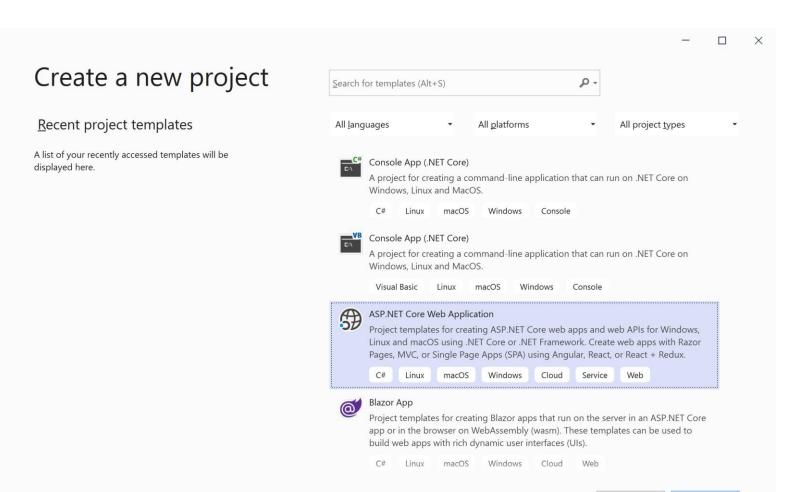
#### Create a new project

Choose a project template with code scaffolding to get started

Continue without code →

## CREATE A NEW ASP.NET CORE MVC PROJECT USING VISUAL STUDIO

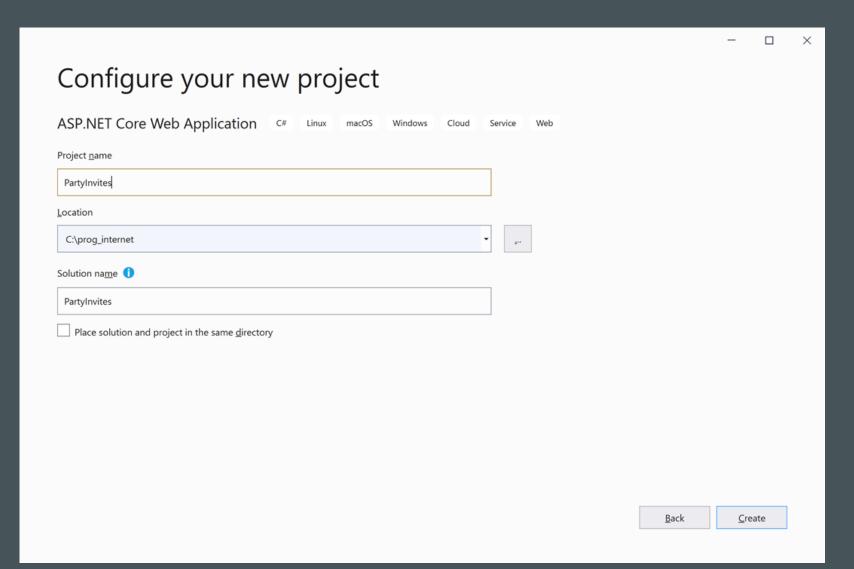
#### CREATE A NEW ASP.NET CORE MVC PROJECT USING VISUAL STUDIO



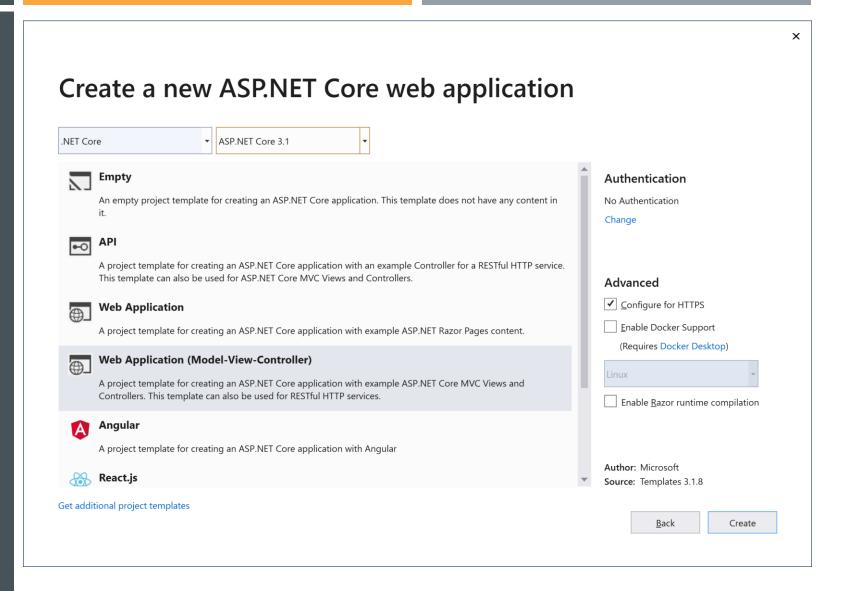
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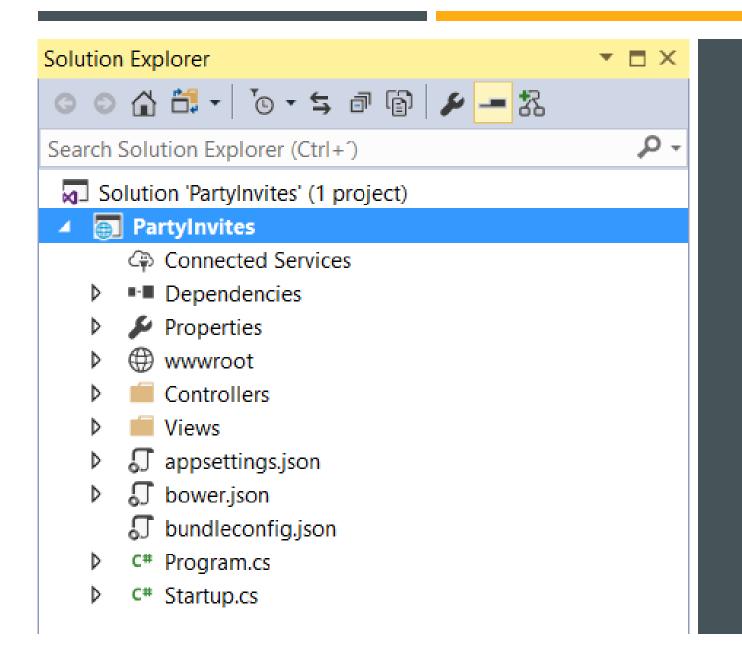
Next

# CREATE A NEW ASP.NET CORE MVC PROJECT USING VISUAL STUDIO



#### CREATE A NEW ASP.NET CORE MVC PROJECT USING VISUAL STUDIO





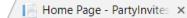
#### SOLUTION EXPLORER

#### MVC APPLICATION STRUCTURE

DIRECTORY	PURPOSE
/Models	Data (business) objects
/Views	UI template files for rendering output (e.g. HTML)
/Controllers	Controller classes that handle URL requests
/Views/Shared	Layouts and views that are not specific to a single controller.
/Views/_ViewImports.cshtml	Contains the namespaces that will be included in Razor view files.
/Views/_ViewStart.cshtml	Default layout for the Razor view engine.
/wwwroot	Static content (e.g. CSS, image, javascript files)
/wwwroot/lib	Third-party JavaScript and CSS packages

#### MVC APPLICATION STRUCTURE

DIRECTORY	PURPOSE
/Areas	Areas are a way of partitioning a large application into smaller pieces.
/Dependencies	Provides details of all the packages a project relies on.
/Components	This is where view component classes, which are used to display self-contained features such as shopping carts, are defined.
/Data	This is where database context classes are defined
/Migrations	This is where details of database schemas are stored so that databases can be updated.
/bower.json	List of packages managed by the Bower package manager. This file is hidden by default.
/appsettings.json	Basic configuration options for the project, including the NuGet packages it uses
/Program.cs	This class configures the hosting platform for the application
/Startup.cs	This class configures the application





### RUNNING THE APPLICATION

ET Core Windows Linux OSX

Learn how to build ASP.NET apps that can run anywhere.

Learn More



#### How to

contact

- · Add a Controller and View
- Manage User Secrets using Secret Manager.
- · Use logging to log a message.
- · Add packages using NuGet.
- · Add client packages using Bower.
- Target development, staging or production environment.

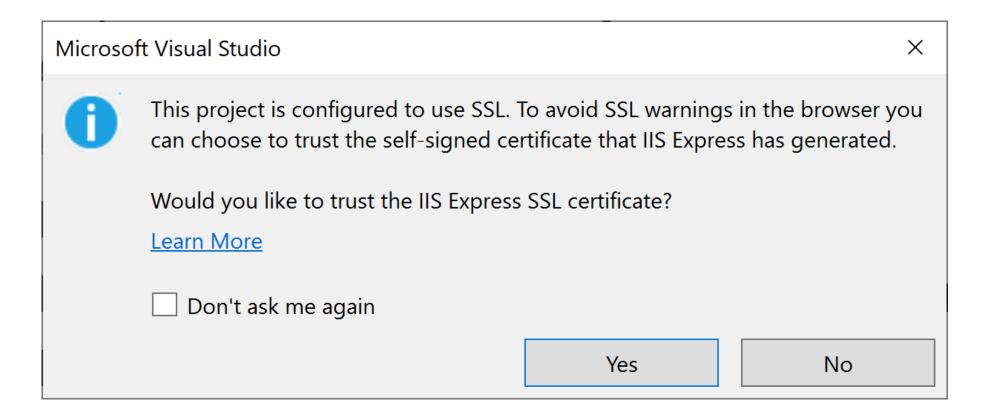
#### Overview

- 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

#### RUNNING THE APPLICATION



#### Aviso de Segurança



Vai instalar um certificado de uma autoridade de certificação (AC) que afirma representar:

#### localhost

O Windows não consegue validar se o certificado é efetivamente de 'localhost'. Deve confirmar a origem contactando 'localhost'. O seguinte número ajudá-lo-á neste processo:

Thumbprint (sha1): AD30CE64 5EC17FC0 35FF2CBF CD6F6213 E378F060

#### Aviso:

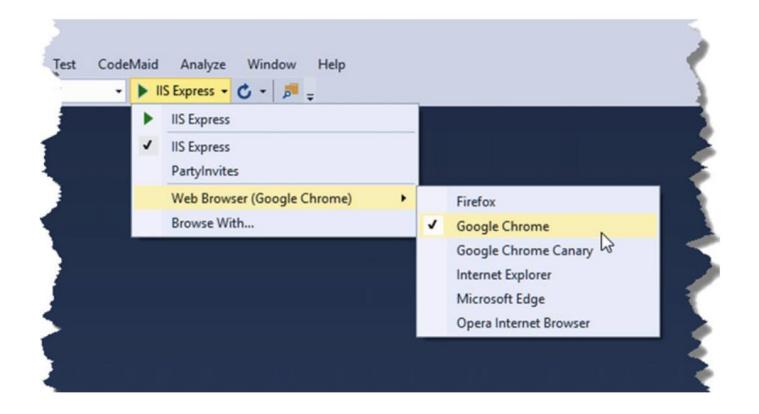
Se instalar este certificado de raiz, o Windows confiará automaticamente em qualquer certificado emitido por esta AC. A instalação de um certificado com um thumbprint não confirmado constitui um risco de segurança. Se clicar em "Sim", reconhece a existência deste risco.

Pretende instalar este certificado?

<u>S</u>im

<u>N</u>ão

## RUNNING THE APPLICATION



## CHANGING THE BROWSER