

# ASP.NET Core Environment Setup

# What you need ?

- ▶ In order to develop the ASP.NET Core application, the following two software is required to install in your machine.
  - ▶ **Integrated Development Environment (IDE)**
  - ▶ **.NET Core SDK (Software Development Kit)**
- ▶ The ASP.NET Core is a part of .NET Core SDK, so you don't require to install it separately.









# IDE?

- ▶ I will be using Visual Studio 2017 as I have Windows as operating however you can use any of the editor.
- ▶ Some of the Editors are as follows
  - ▶ Visual Studio
  - ▶ Sublime
  - ▶ Visual Studio Code
  - ▶ Vim
  - ▶ Atom, Etc.



# Download and install VS

- ▶ The Visual Studio Community Edition is free. As of this article, the latest version of Visual Studio is **Visual Studio 2017** and it can be downloaded from the following site
- ▶ <https://visualstudio.microsoft.com/>

Workloads	Individual components	Language packs	Installation locations
Mobile & Gaming (3)			
 Mobile development with .NET Build cross-platform applications for iOS, Android or Windows using Xamarin.	<input type="checkbox"/>		 Game development with Unity Create 2D and 3D games with Unity, a powerful cross-platform development environment.
 Mobile development with JavaScript Build Android, iOS and UWP apps using Tools for Apache Cordova.	<input type="checkbox"/>		 Mobile development with C++ Build cross-platform applications for iOS, Android or Windows using C++.
 Game development with C++ Use the full power of C++ to build professional games powered by DirectX, Unreal, or Cocos2d.	<input type="checkbox"/>		
Other Toolsets (3)			
 Visual Studio extension development Create add-ons and extensions for Visual Studio, including new commands, code analyzers and tool windows.	<input type="checkbox"/>		 Linux development with C++ Create and debug applications running in a Linux environment.
 .NET Core cross-platform development Build cross-platform applications using .NET Core, ASP.NET Core, HTML/JavaScript, and Containers including Docker...	<input checked="" type="checkbox"/>		

Please check this checkbox

# Download and install .NET Core SDK

- ▶ In order to download the .NET Core SDK latest version, please visit the following site. Then depending on your operating system installed on your machine download the appropriate .NET Core SDK and install it.
- ▶ <https://dotnet.microsoft.com/download>



# Download and install .NET Core SDK

- ▶ If you want to develop and run the .NET Core application, then you need to download the **.NET Core SDK**. The **.NET Core Runtime** is required only to run .NET Core applications.
- ▶ The **.NET Core SDK** contains the **.NET Core Runtime**. So, if you installed the **.NET Core SDK**, then there is no need to install **.NET Core Runtime** separately. The **.NET Core Runtime** just contains the resources or libraries which are required to run existing .NET Core applications.

Thanks