

Core → cross platform

high performance

open source for building
modern → cloud based
→ Internet connected
Applications.

Cross platform
Can be developed
on windows, mac os
and linux.

Hosted on IIS
Apache, docker

Use Visual Studio

Visual Studio Code or any other 2nd party

Dependency Injection

Testability

Core project file

- ① .csproj
- ② no need to unload the project to edit the project file
- ③ File and folder references are no longer included in the project file.

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- ④ File System determines what files and folders belong to the project.
I.e all the files under root folder will be part of project.

⑤ AspNetCoreHostingModel

Specifies How the application should be hosted.

Inprocess or Outprocess

↓
Hosts inside of the IIS worker process (W3WP.exe)

→ Hosting model forward web request to a socket of Asp.net Core App running the KESTREL Server.

default is (In process) is 3.1 core SDK.

Main method

- ① Asp.net Core application starts as a

- ① Asp.net core application starts as a console application.
- ② Main method configures Aspnet core and starts it at that point it becomes Aspnet core web Application.

Main()

↳ CreateHostBuilder with arguments:
↳ which returns IHostBuilder
↳ on this object, Build() method is called which Builds a web host that hosts our aspnet core web Applications.
on this web host Run(), which runs the application and it begins listening to the Incoming Http Request

CreateHostBuilder() method calls

create default Builder() static method of
the Web Host, which creates a web host
with pre-configured defaults.

In process Hosting