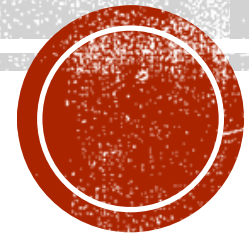


UNDERSTANDING ASP.NET CORE

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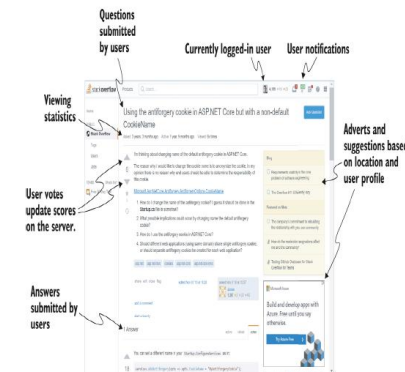
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USING A WEB FRAMEWORK

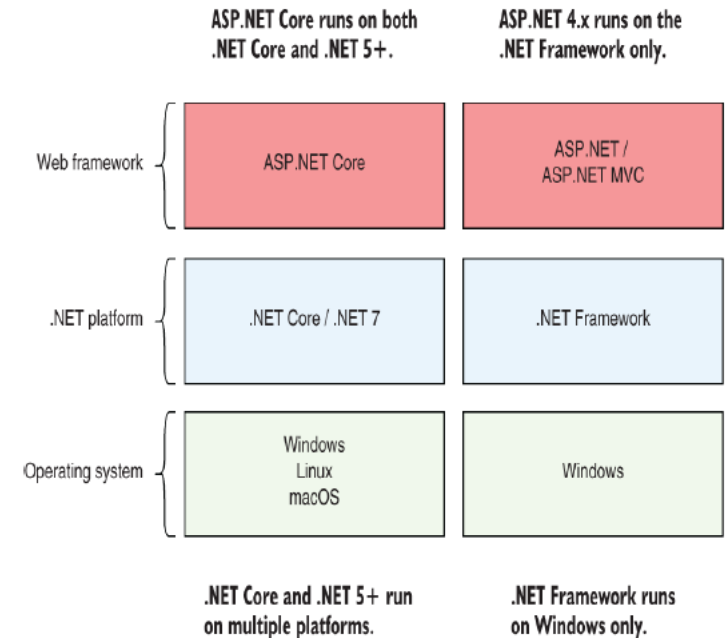
ASP.NET Core makes **writing** web applications **faster, easier, and more secure** than trying to build everything from scratch. It contains libraries for **common** things like :

- Creating dynamically changing web pages
- Letting users log in to your web app
- Letting users use their Facebook accounts to log in to your web app
- Providing a common structure for building maintainable applications
- Reading configuration files
- Serving image files
- Logging requests made to your web app



WHY ASP.NET CORE WAS CREATED ?

- To be run and developed cross-platform
- To have a modular architecture for easier maintenance
- To be developed completely as open-source software
- To adhere to web standards
- To be applicable to current trends in web development, such as client-side applications and deployment to cloud environments

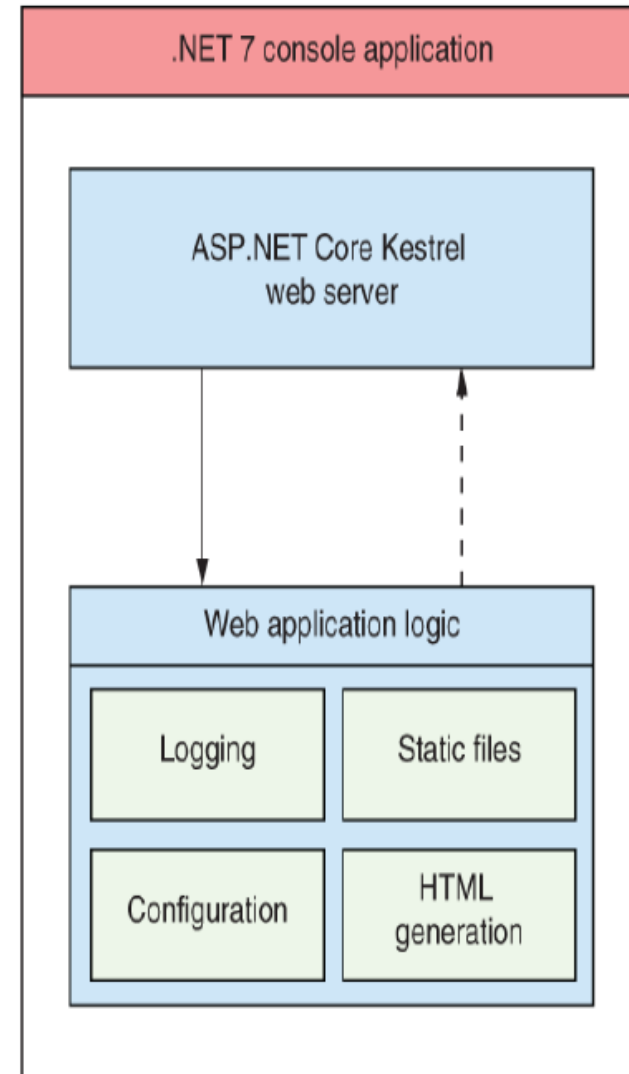


.NET 7 (.NET 8)

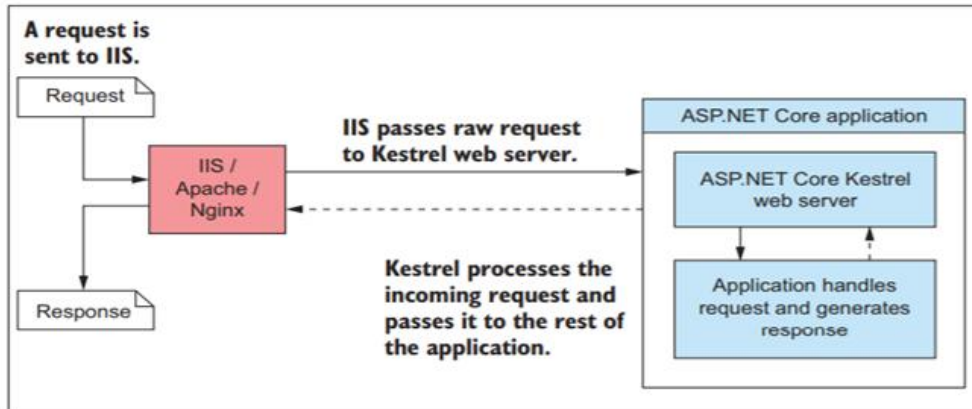
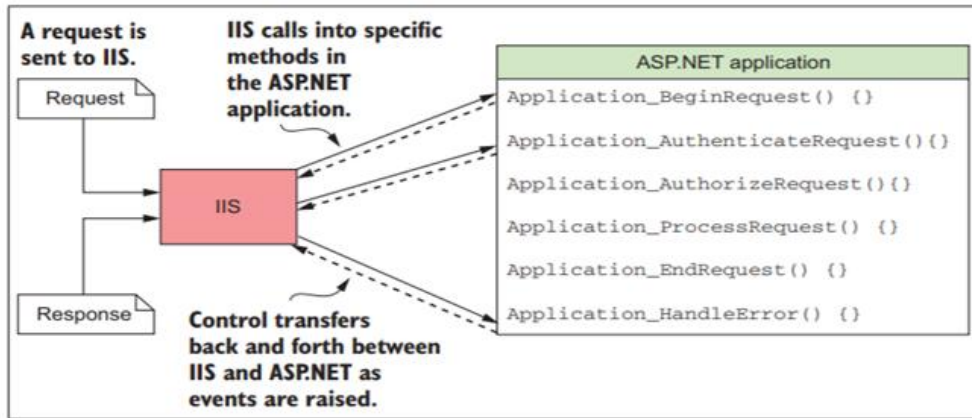
You write a .NET 7 console app that starts up an instance of an ASP.NET Core web server.

Microsoft provides a cross-platform web server called Kestrel by default.

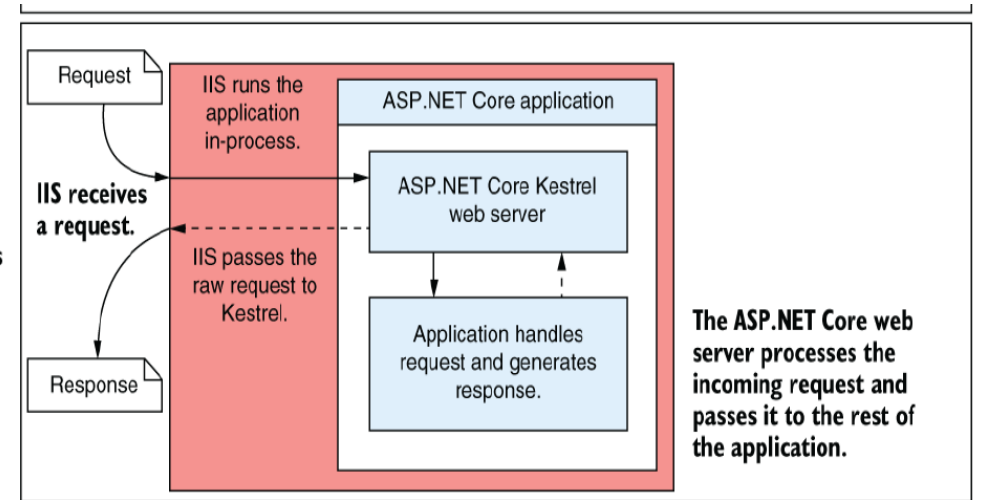
Your web application logic is run by Kestrel. You'll use various libraries to enable features such as logging and HTML generation as required.



KESTREL



ASP.NET Core apps can also run in-process inside IIS.



By default, when running in Windows, ASP.NET Core runs inside IIS,

NUGET

- NuGet is a package manager for .NET that enables you to import libraries into your projects.
- ASP.NET Core projects list their dependencies in the project's .csproj file, an XML file that lists each dependency as a PackageReference node.

