Asp.Net Core – True Ultimate Guide

Section 1 – Introduction – Cheat Sheet

Asp.Net Core

Asp.Net Core is a cross-platform, high-performance, open-source framework for building modern, cloud-enabled web applications and services.

Cross-platform

Asp.Net Core apps can be hosted on Windows, LINUX and Mac.

Can be hosted on different servers

Supports Kestrel, IIS, Nginx, Docker, Apache

Open-source

Contributed by over 1000+ contributors on GitHub

https://github.com/dotnet/aspnetcore

Cloud-enabled

Out-of-box support for Microsoft Azure

Modules

Asp.Net Core Mvc

For creating medium to complex web applications

Asp.Net Core Web API

For creating RESTful services for all types of client applications.

Asp.Net Core Razor Pages

For creating simple & page-focused web applications

Asp.Net Core Blazor

For creating web applications with C# code both on client-side and server-side

Asp.Net Web Forms [vs] Asp.Net Mvc [vs] Asp.Net Core

Asp.Net Web Forms

- 2002
- Performance issues due to server events and view-state.
- Windows-only
- Not cloud-friendly
- Not open-source
- Event-driven development model.

Asp.Net Mvc

- 2009
- Performance issues due to some dependencies with asp.net (.net framework)
- Windows-only
- Slightly cloud-friendly
- Open source
- Model-view-controller (MVC) pattern
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Asp.Net Core

- 2016
- Faster performance
- Cross-platform
- Cloud-friendly
- Open-source
- Model-view-controller (MVC) pattern