

What's new in .NET 2.1 and Blazor?

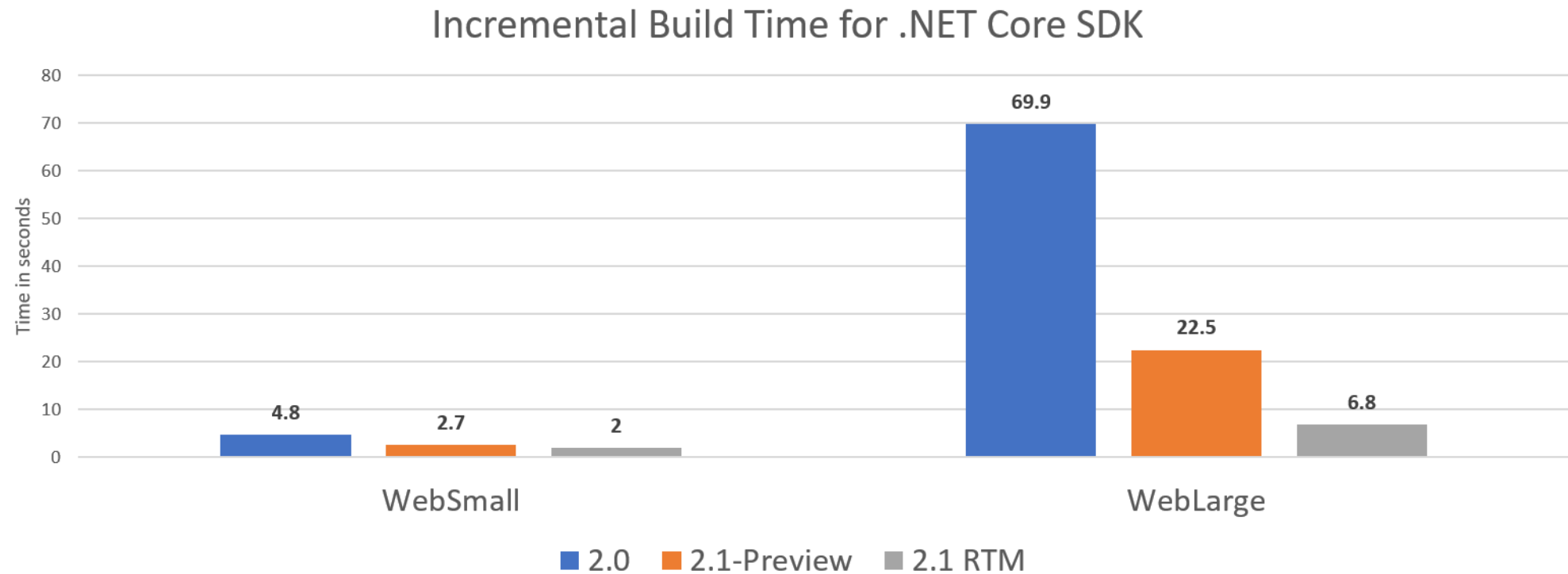


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Faster Build Performance



.NET Core Global Tools

- Install: `dotnet install tool --global dotnet-serve`
- Usage: `dotnet serve [options]`

Windows Compatibility Pack

- Additional 20,000 APIs to .NET Core
 - System.Drawing
 - System.DirectoryServices
 - System.Diagnostics.EventLog
 - Microsoft.Win32.Registry
 -
- Package
 - Microsoft.Windows.Compatibility
 - Microsoft.DotNet.Analyzers.Compatibility

<https://blogs.msdn.microsoft.com/dotnet/2017/11/16/announcing-the-windows-compatibility-pack-for-net-core/>

ASP.NET Core 2.1

- SignalR
Real-time web framework on ASP.NET Core
- HTTPs
On by default and easy to configure
- GDPR compliance
Template updated with new privacy features
- Web API conventions
Super convenient and clean
- IHttpConnectionFactory
HttpClient as a service, retry logic
- ASP.NET Core Module in-proc hosting
6x the throughput on IIS, Better startup error handling

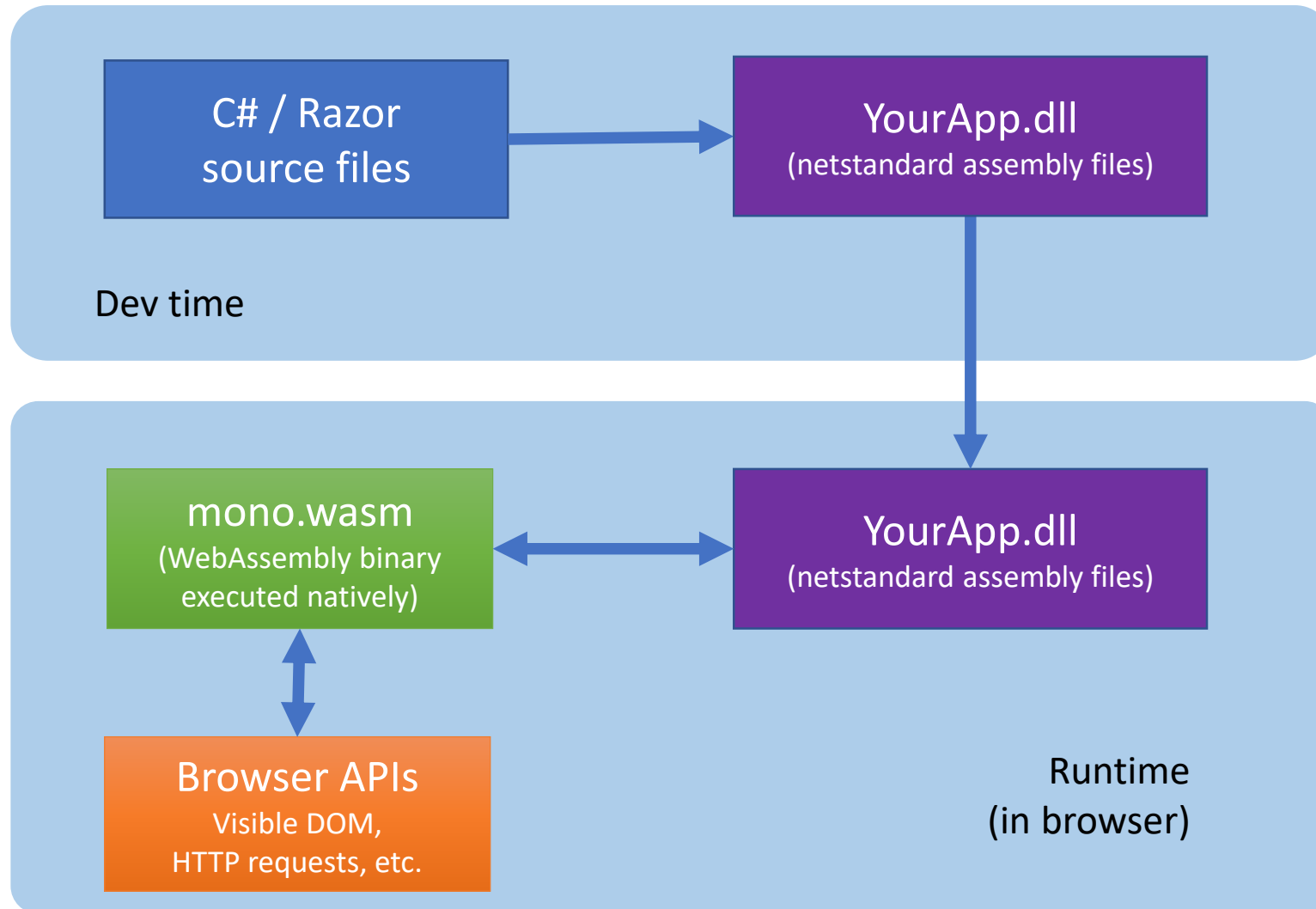
ASP.NET Core 2.1

- Build-time Razor
Compile Razor pages and views as part of build, improve startup and performance
- UI as a library
Package Razor pages and views as reusable libraries
- WebHooks
Handle WebHook notifications from ASP.NET Core apps

EF Core 2.1

- Basic Lazy Loading
APIs and patterns for lazy loading navigations
- LINQ GroupBy Translation
GroupBy queries translated to SQL
- Data Seeding
Seed data in the model and migrations
- Column Ordering
Better column ordering when creating tables
- Azure Cosmos DB
Use EF with Cosmos DB

Blazor



Demo source code

- <https://github.com/thiennnn/aspnetcore21>
- <https://github.com/thiennnn/BlazorTest>

Thank you