

# TOP ASP.NET CORE 8 & BLAZOR 8 FEATURES

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#confoo

## ASP.NET Core 8

### Minimal APIs

- Closing feature gaps to controller-based web APIs
  - `[FromBody]` to bind form data
  - Middleware for CSRF protection (if needed ...)

### Identity API

- Optional API endpoints for login and registration (scenario: SPA)
  - `app.MapGroup("/identity").MapIdentityApi<IdentityUser>();`
- No need to scaffold ASP.NET Core Identity any more
- Supports bearer tokens and cookies
- Marked as „early version“, so changes may be possible!

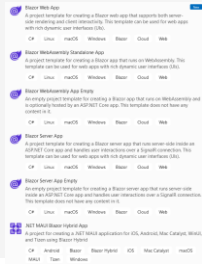
### Routing

- Better tooling (which means: in Visual Studio)
  - Autocompletion
  - Color-coding
  - Warnings at compile time

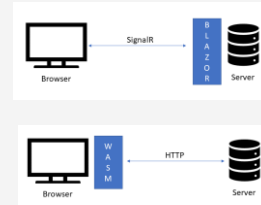
## Blazor

## New Project Templates

- More options, new „main” template



## Blazor Hosting Models < 8



## Static Server-Side Rendering (SSR)



## Rendering Modes

- Static Server Rendering (SSR) – new default
  - Option: streaming rendering ([*StreamRendering*])
- Server ([*InteractiveServer*])
- WebAssembly ([*InteractiveWebAssembly*])
- Auto ([*InteractiveAuto* – first Server, then WebAssembly])
- Configurable via `@rendermode` directive (app- or component-wide)
- Marketing term by Microsoft: „Full Stack Web UI”

## Content Security Policy for Blazor WASM

- No 'unsafe-eval' required for `script-src` directive
- Sounds like a minor feature, but allows greatly locking down a Content Security Policy

## UI for Blazor Identity

- Similar to the ASP.NET Core Identity UI
- Automated scaffolding when using the new „Blazor Web App”-Template

## QuickGrid

- Version 1.0 of the built-in „simple“ data grid
- Focus on fast rendering of large data (via virtualization)
- NuGet package *Microsoft.AspNetCore.Components.QuickGrid*
- Package *Microsoft.AspNetCore.Components.QuickGridEntityFrameworkAdapter*
- CRUD scaffolder also uses QuickGrid for data display (Visual Studio 17.9+)

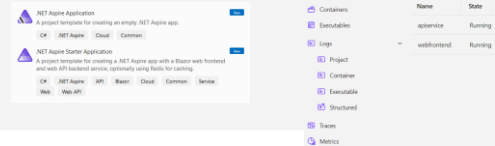
## Various New Features

## AOT

- Complete support for gRPC, limited support for minimal APIs
- New AOT template for Web APIs
- Still some issues (watch this – rarely updated – ticket: <https://github.com/dotnet/core/issues/8288>)

## .NET Aspire

- „Opinionated“ framework for distributed applications
- Dashboard provides information about logs, various metrics, and more
- Requires Visual Studio 17.9+ Preview



## Summary

- ASP.NET Core is almost feature-complete
- Blazor still provides room for innovation
- Focus on performance and resilience
- Work on ASP.NET Core 9 has already started

## Thank You!

- Questions?
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<https://is.gd/MIhxaZ>

