ASP.NET CORE 10 AND BLAZOR 10
NEWS FOR WEB DEVELOPERS

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ASP.NET Core 10

Server-Sent Events (SSE)

Server push technology

Failed as Ajax replacement, but got a second life due to reasonable browser support

TypedResults.ServerSentEvents() pushes data to the client

Validation in Minimal APIs

New middleware:
builder.Services.AddValidation()

Supports data annotations
Also in (public) record types!

OpenAPI

Support for specification version 3.1
Version number may be set in *.csproj* or *Program.cs*

Code is more concise and readable (e.g.: *JsonObject* instead of *OpenApiObject*, so strings instead of *OpenApiString*)

OpenAPI description in YAML

AOT template for Web API also creates OpenAPI description
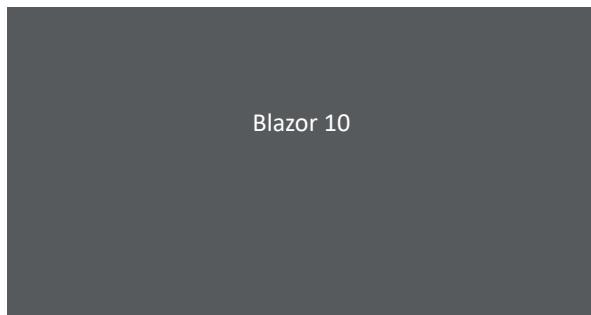

Various Improvements

Support for *.localhost* TLD

Support for JSON Patch (faster than *Newtonsoft.JsonPatch*)

API endpoints with HTTP 401/403 do not redirect to login page

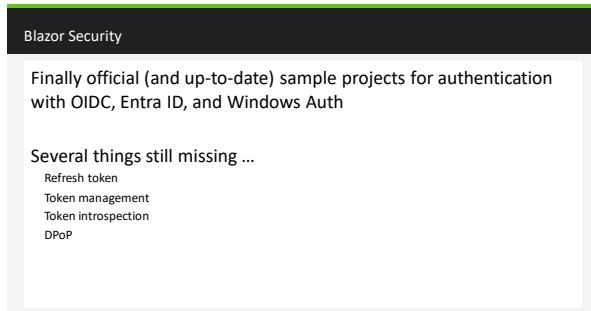New metrics for ASP.NET Core Identity (visible in Aspire etc.)
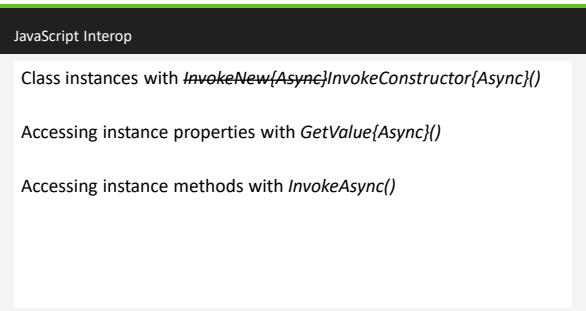
IsLocalUrl()

Blazor 10

Templates

New templates (again)

Reconnection UI externalized in separate component

Fingerprinting support in standalone WebAssembly apps

Preloading with *<link>* elements / *<ResourcePreloader>*

NotFound.razor replaces *<NotFound>*
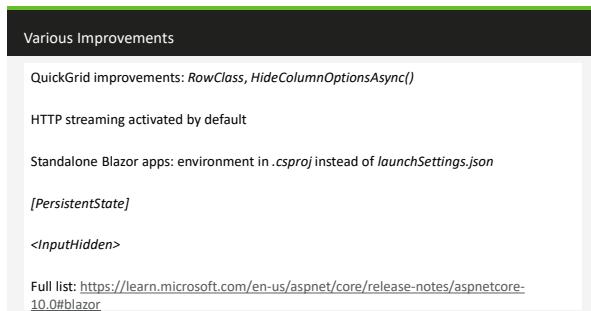
Passkeys support

Blazor Security

Finally official (and up-to-date) sample projects for authentication with OIDC, Entra ID, and Windows Auth

Several things still missing ...
  - Refresh token
  - Token management
  - Token introspection
  - DPoP

JavaScript Interop

Class instances with ~~*InvokeNew{Async}*~~*InvokeConstructor{Async}()*

Accessing instance properties with *GetValue{Async}()*

Accessing instance methods with *InvokeAsync()*

Various Improvements

QuickGrid improvements: *RowClass*, *HideColumnOptionsAsync()*

HTTP streaming activated by default

Standalone Blazor apps: environment in *.csproj* instead of *launchSettings.json*

[PersistentState]

<InputHidden>

Full list: https://learn.microsoft.com/en-us/aspnet/core/release-notes/aspnetcore-10.0#blazor

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Conclusion

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Many improvements in many places

Pretty hectic preview phase

No „killer feature"
Put the performance improvements alone may be reason enough for upgrading

First preview of ASP.NET Core/Blazor 11 already available

Thank you!

- **Questions?**

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Session Feedback

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