Minimal API with .NET

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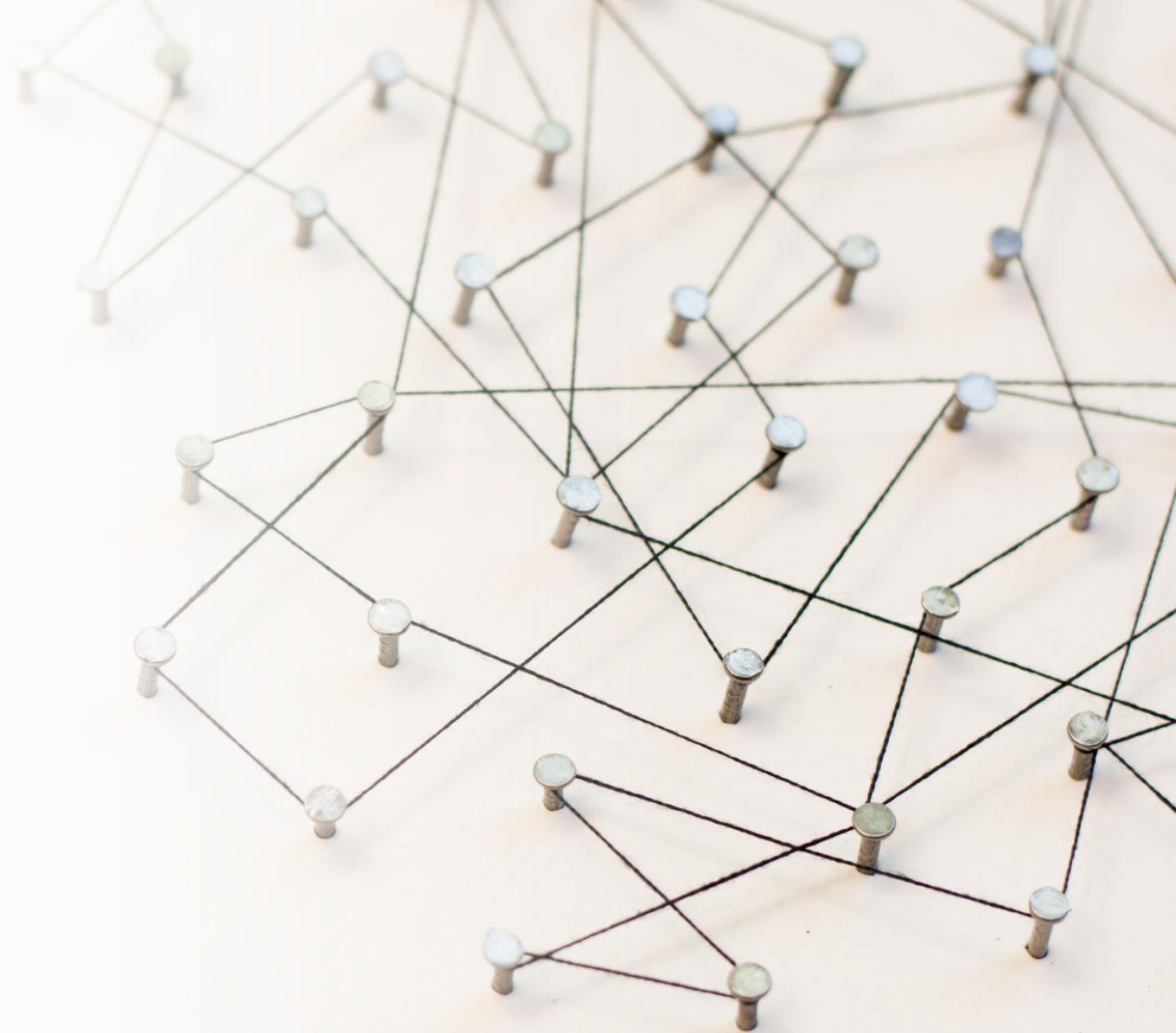LinkedIn: https://at.linkedin.com/in/cnagel/

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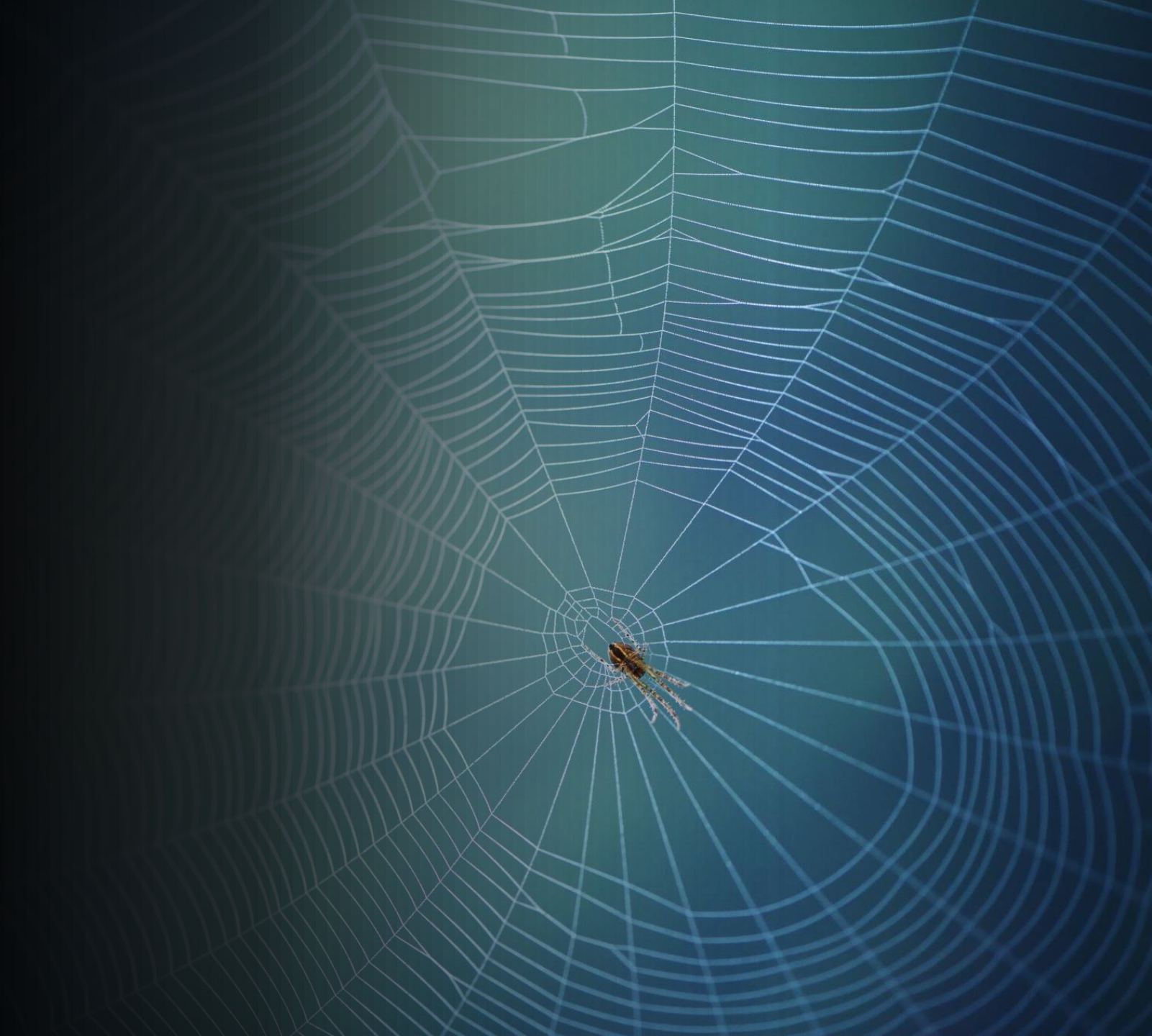
Topics

- What made the Minimal API possible with .NET 6?

- Minimal API with .NET 7

- What about .NET 8?

Demo

- Minimal API with .NET 6

What made this possible?

- Top-level statements (C# 9)

- Natural typed lambdas (C# 10)

- WebApplication and WebApplicationBuilder (.NET 6)

- Results factory class (.NET 6)
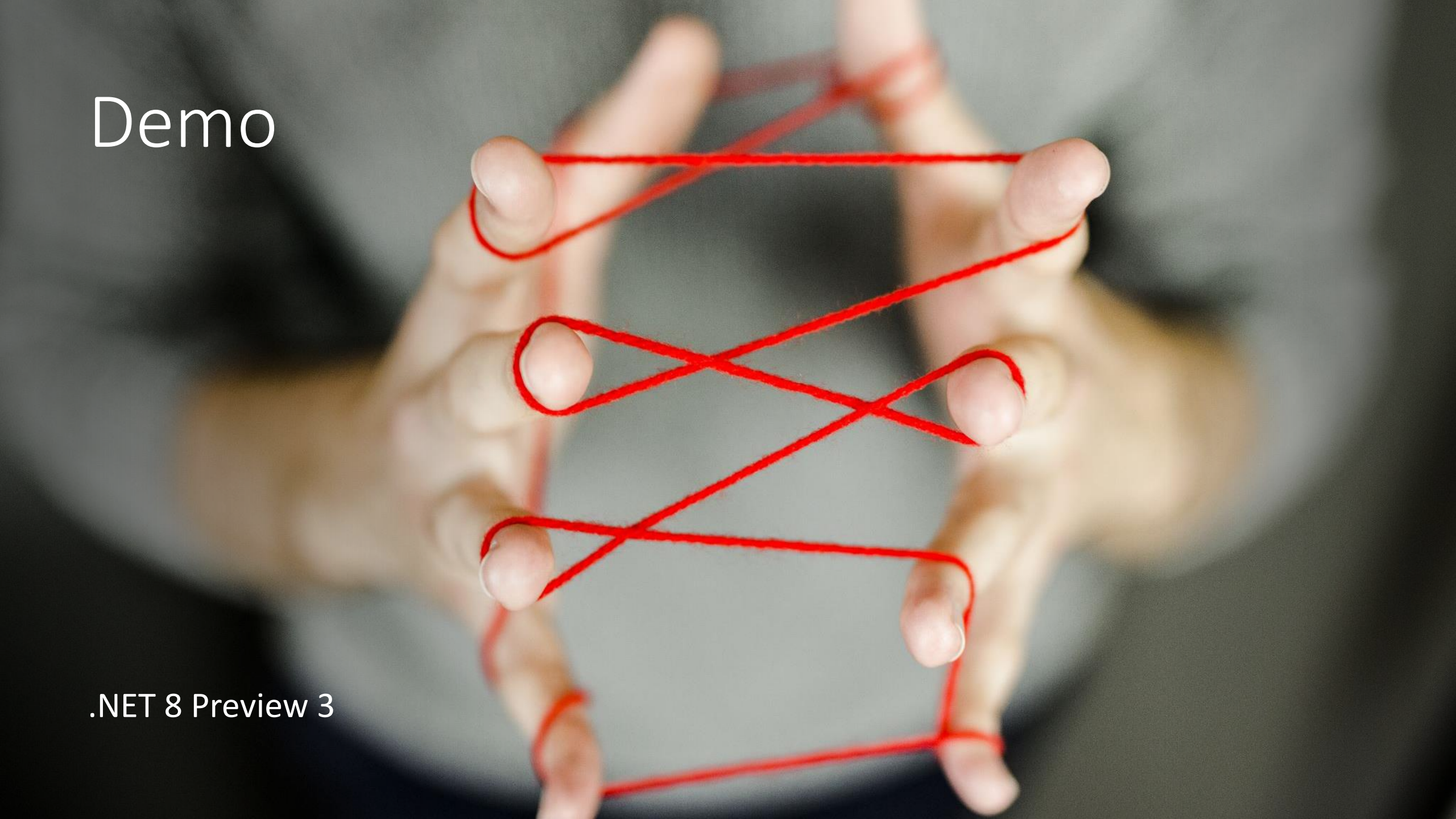
Demo

Minimal API with .NET 7

.NET 7

- Grouped endpoints
  - Group endpoints for common functionality
- Typed results
  - Results for OpenAPI
- Filters
  - Exception, validation, logging filters
- Visual Studio Endpoints Explorer
- dotnet publish with Docker support

Demo

.NET 8 Preview 3

Enhancements

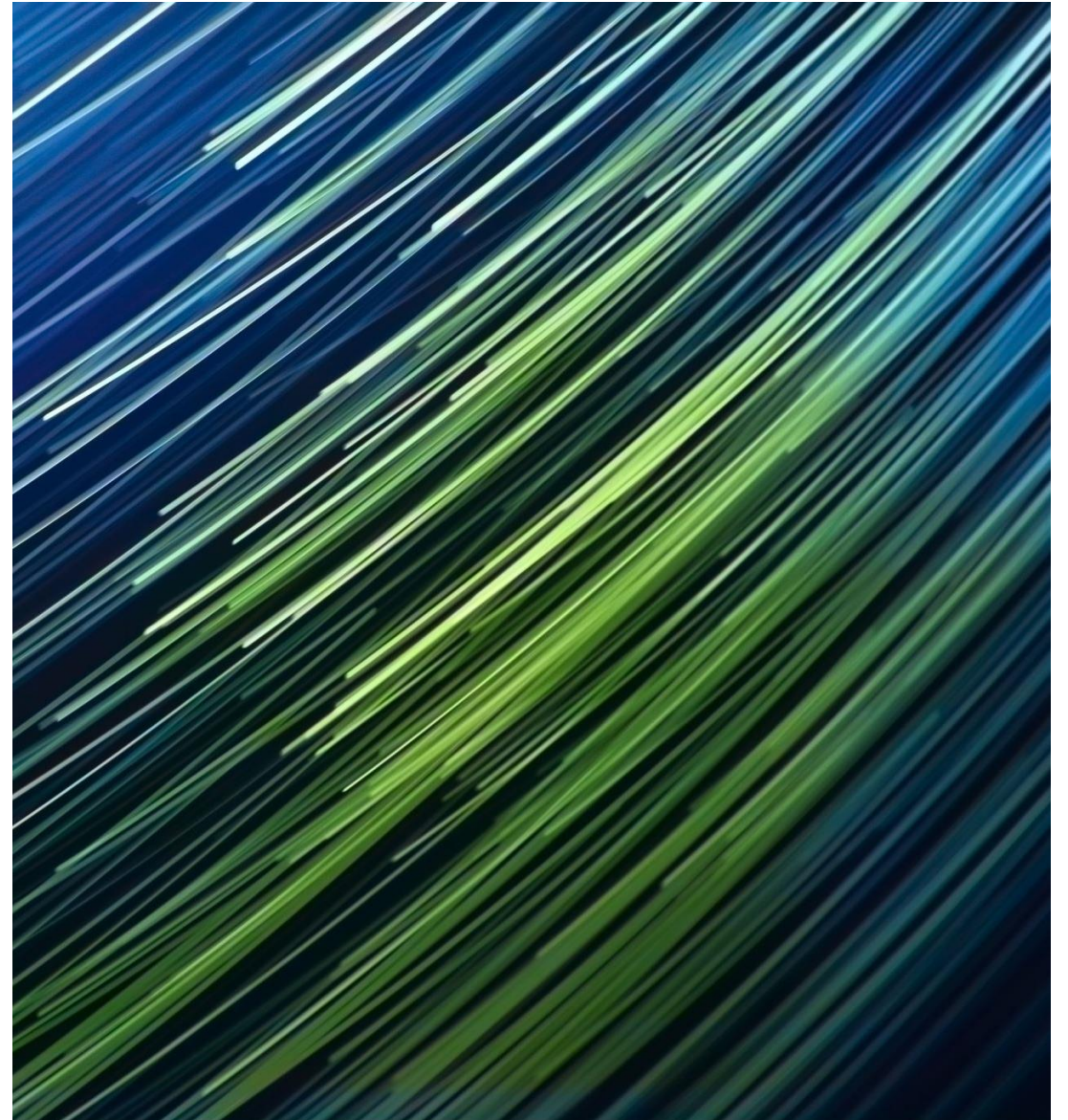## JSON Serializer Source Generator

- Available since .NET 6, can be used with older .NET versions

Slim Builder

- Reduce services registered

Native AOT Deployment

- The most important .NET 8 feature

Native AOT

- Reduce startup time
- Reduce disk size requirements
- Reduce memory consumption

Take away

- Minimal APIs have a bright future

- Use it not only with small services

- Native AOT brings big changes for .NET

- .NET 7 started with Native AOT

- Not all your services can take advantage of Native AOT with .NET 8

Thank you!

Questions?

https://github.com/codebreakerapp/GlobalAzureAustria2023

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