



# Minimal API with .NET

---

Christian Nagel

<https://csharp.christiannagel.com>

@christiannagel





Professional

# C# and .NET 2021 Edition

## Christian Nagel

Microsoft MVP

- Training
- Coaching
- Consulting
- Development

@christiannagel

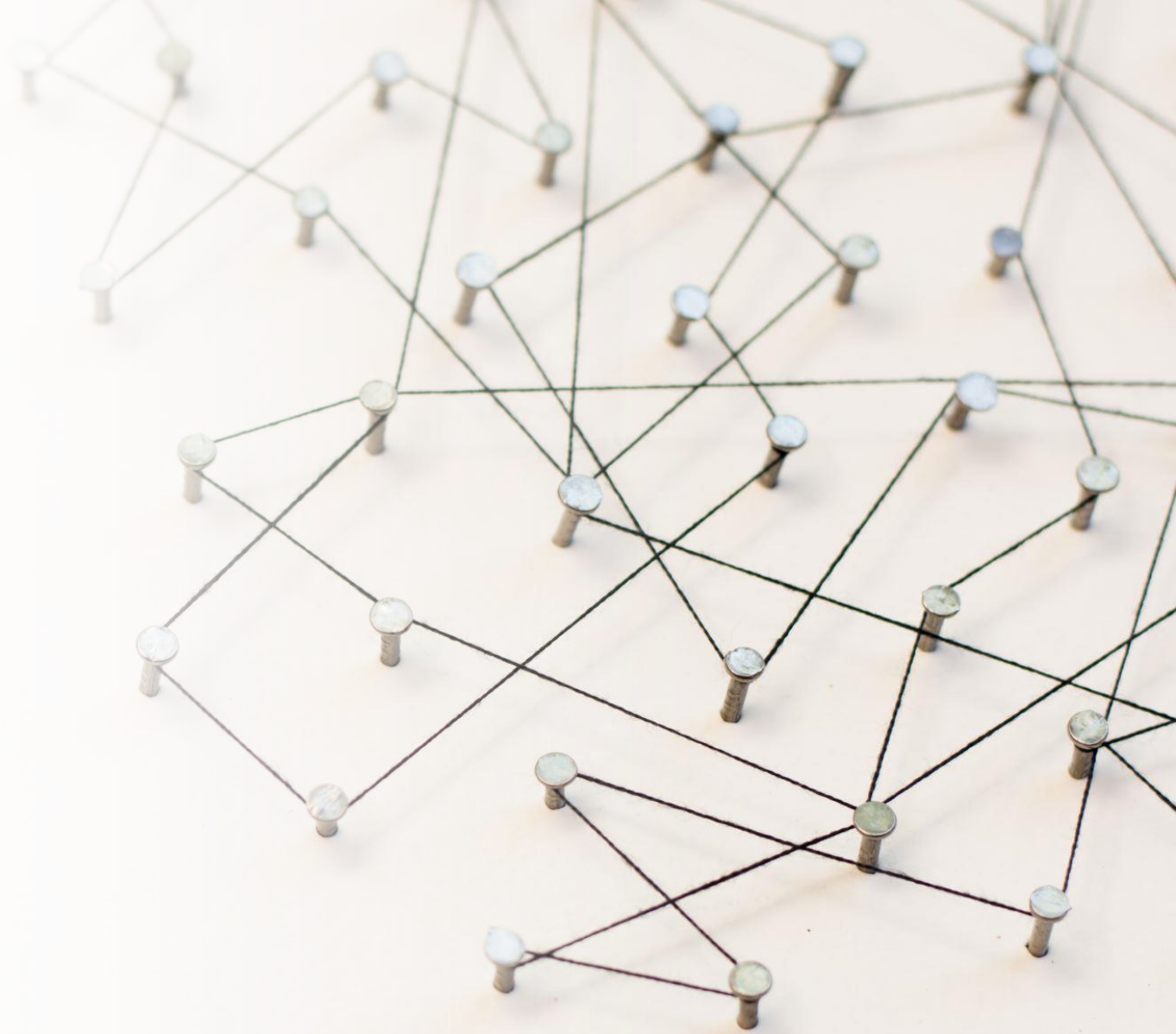
<https://csharp.christiannagel.com>



## Topics

---

- What made the Minimal API possible with .NET 6?
- Minimal API with .NET 7
- What about .NET 8?



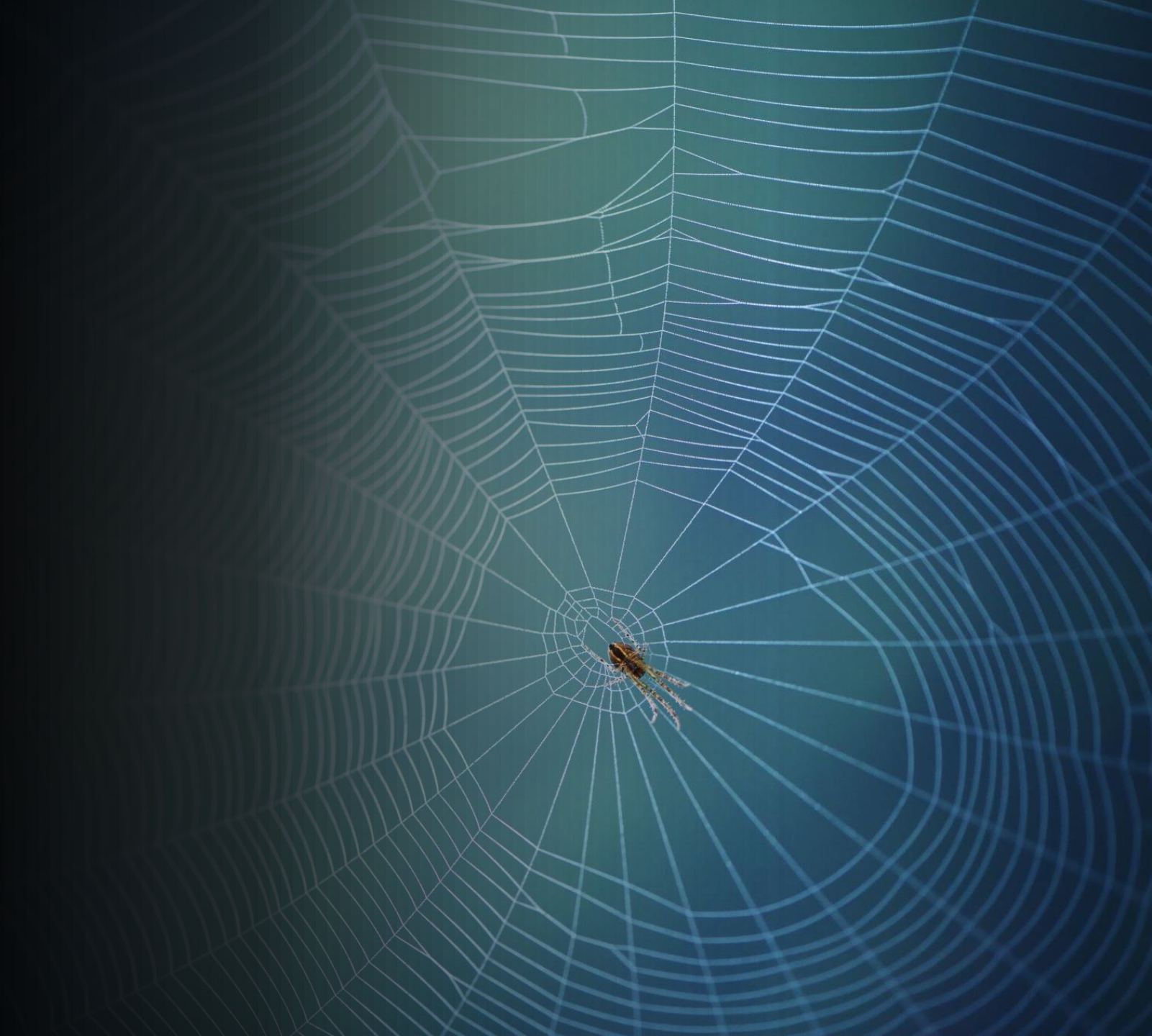




# Demo

---

- Minimal API with .NET 6



# What made this possible?

---

- Top-level statements
- WebApplication and WebApplicationBuilder
- Natural typed lambdas
- Results factory class





# Demo

---

Minimal API with .NET 7



# .NET 7

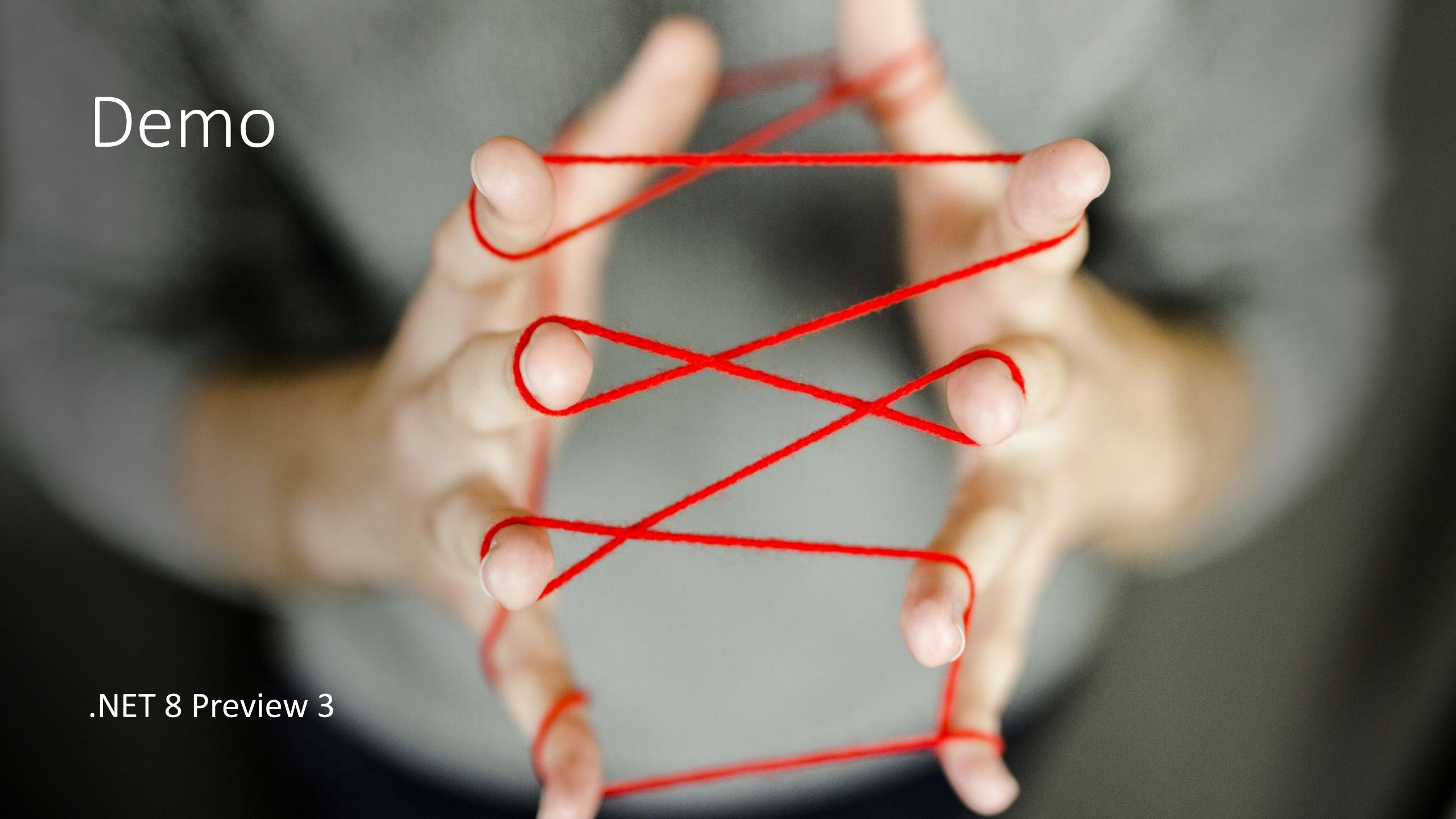
---

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



# Demo

.NET 8 Preview 3





# .NET 8

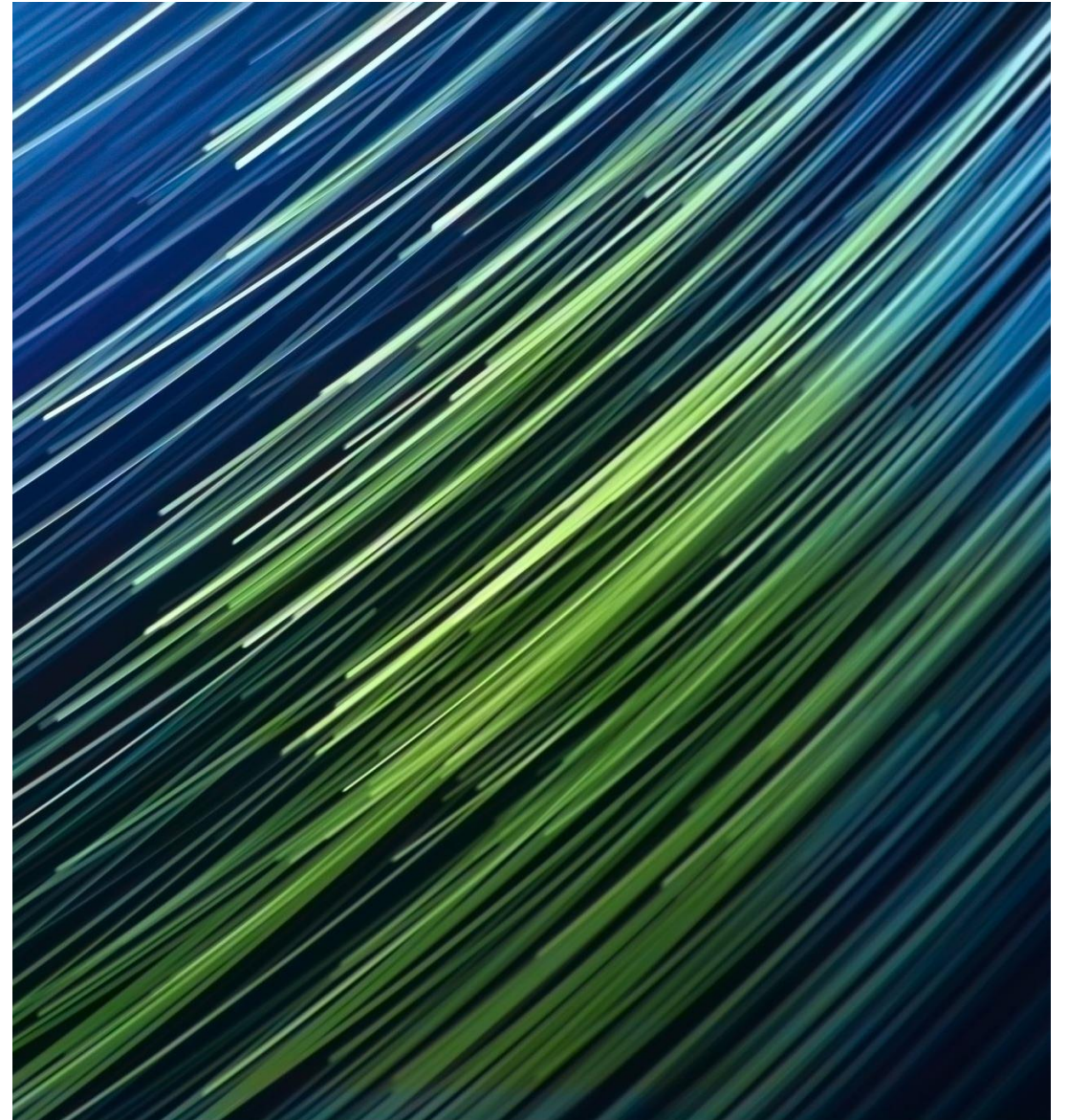
## JSON Serializer Source Generator

- Available since .NET 6, for older .NET versions

## Slim Builder

- Reduce services registered

## Native AOT Deployment





# Native AOT

---

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





# Take away

---

- Minimal APIs have a bright future
- .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/cnilearn/GlobalAzureAustria2023>

<https://csharp.christiannagel.com>