ASP.NET Core & Blazor in .NET 11: il web moderno e agentico

Morgan Pizzini
Senior Consultant iCubed/Lodestar
Morgan.pizzini@lodestar.it | @morwalpiz

aspitalia.com

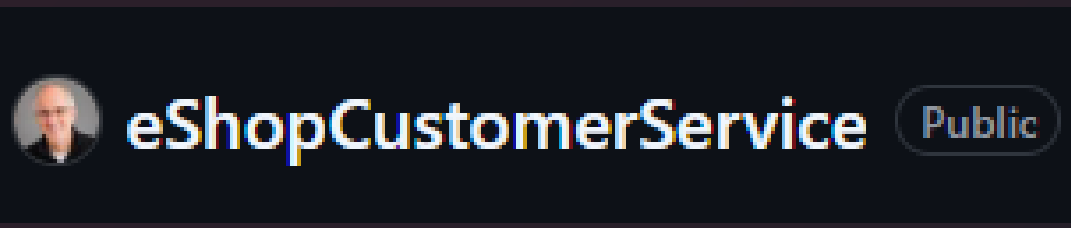
Lodestar
IT'S TIME TO INNOVATE

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Riferimenti

Daniel Roth





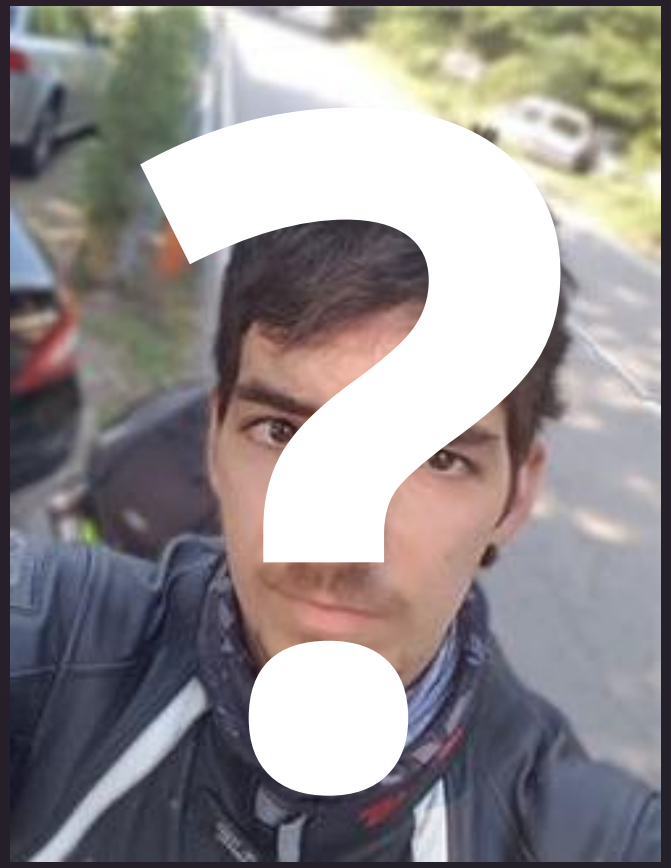


Agenda

- AI
- AI .NET
- AI Blazor
- AI ASP.NET Core
- Demo

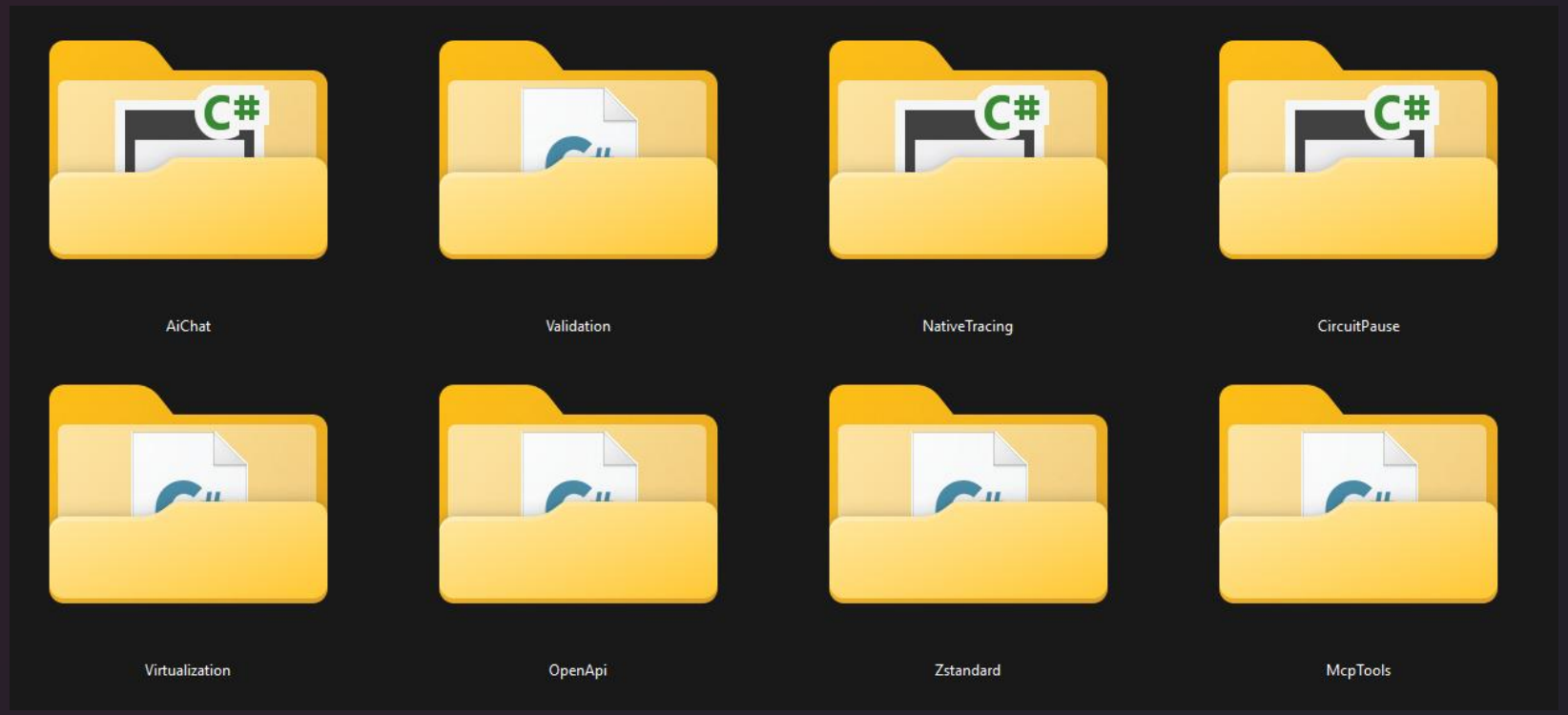
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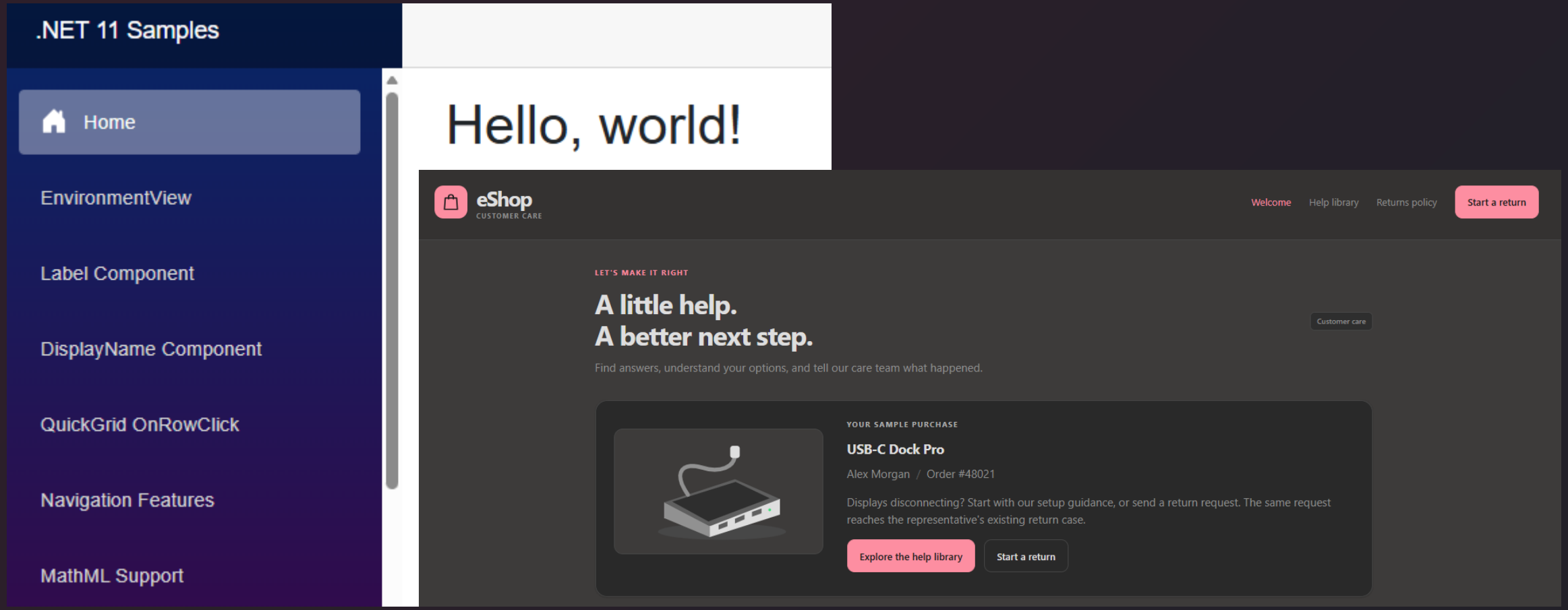


Demo

What's new in ASP.NET Core in .NET 11 | Microsoft Learn



Demo


.NET 11 Samples
Home
EnvironmentView
Label Component
DisplayName Component
QuickGrid OnRowClick
Navigation Features
MathML Support
Hello, world!
eShop
CUSTOMER CARE
Welcome
Help library
Returns policy
Start a return
LET'S MAKE IT RIGHT
A little help.
A better next step.
Customer care
Find answers, understand your options, and tell our care team what happened.
YOUR SAMPLE PURCHASE
USB-C Dock Pro
Alex Morgan / Order #48021
Displays disconnecting? Start with our setup guidance, or send a return request. The same request reaches the representative's existing return case.
Explore the help library
Start a return

Demo



Performance di .NET 11

- Ottimizzazione JIT
- Miglioramento processi su stringhe, JSON, span
- Gestione bad-request su Kestrel pipeline
- Balzor WASM trimming, circuit state, SSR cache
- Migrazione verso async foundation (librerie framework)

Miglioramenti di sicurezza



Miglioramenti di sicurezza

- CSRF (Cross-site request forgery)
- Authz/Authn
- Blazor template e componenti CSP (Content security policy)
- Miglioramento gestione e trasporto richieste (TLS channel binding / HTTP timeouts + rete limit)

Demo

CSRF
Authentication refresh

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C# Unions + Open API 3.2

```
[JsonUnion(TypeClassifier = typeof(JsonUnionTypeStructuralClassifier))]
public union Resolution(RefundResolution, ReplacementResolution);

28 references | - changes | -authors, -changes
public sealed record RefundResolution(decimal Amount, string PaymentReference);

21 references | - changes | -authors, -changes
public sealed record ReplacementResolution(string ProductCode, string DeliveryAddress);
```

Demo

Open API
C# unions

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Async validation API

Disponibile sia per Minimal API che per Blazor forms

```
0 references | 0 changes | 0 authors, 0 changes
protected override async Task<ValidationResult?> IsValidAsync(
    object? value, ValidationContext context, CancellationToken cancellationToken)
{
    var inventory = context.GetRequiredService<IInventoryService>();
    return value is string code && await inventory.IsAvailableAsync(code, cancellationToken)
        ? ValidationResult.Success
        : new ValidationResult("This model is currently unavailable. Choose an available alternative.");
}
```

Demo

Async Validation

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Blazor Virtualization

- Altezza dinamica
- Navigazione migliorata
- Mantenimento del focus

Demo

Blazor Virtualization

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Ecosistema Razor

- C# action e aggiunta di componenti .razor.cs/js/css
- Hot reload
- Hot reload
- Formattazione tramite EditorConfig
- Direttive / emmet syntax

Demo

Ecosistema Razor

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Altre novità

- Aspire integrazione WASM e worker
- Statis SSR – quickgrid / client-side validation / TempData / Cache
- Persistent state / Reconnection state
- Graceful server deployment
- Auto-pause

Demo

Static SSR + persistent state

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Demo

AI

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Morgan.pizzini@lodestar.it

Slide e materiale su
https://aspit.co/netconf-26





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