

Accendi la festa con
Blazor Hybrid



Sabato 30 settembre 2023



Nicola Paro 



SPONSORS



A Real Life Story

A Real Life Story

Console Luci



DMX Cable



Par Led RGB



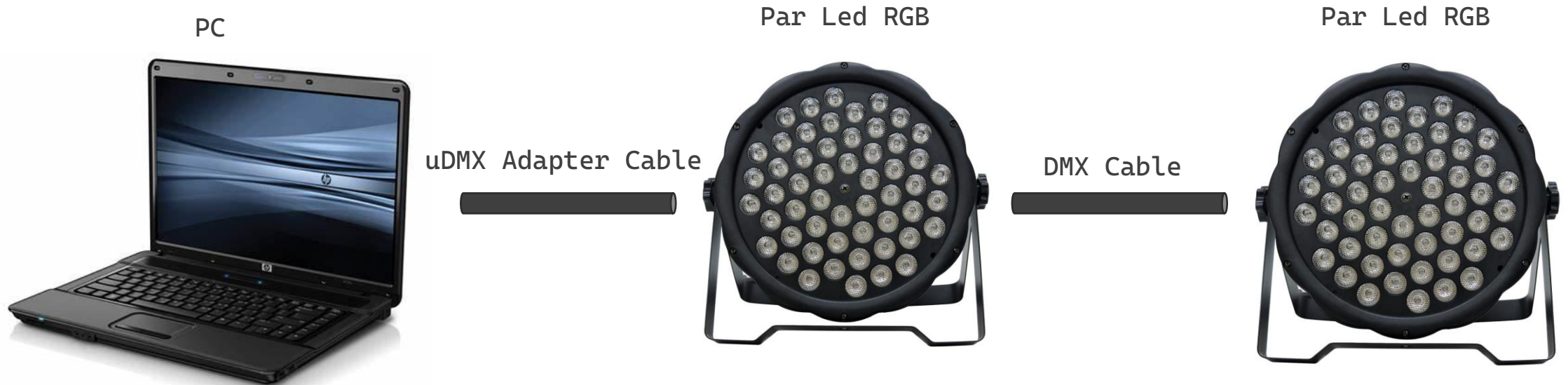
DMX Cable



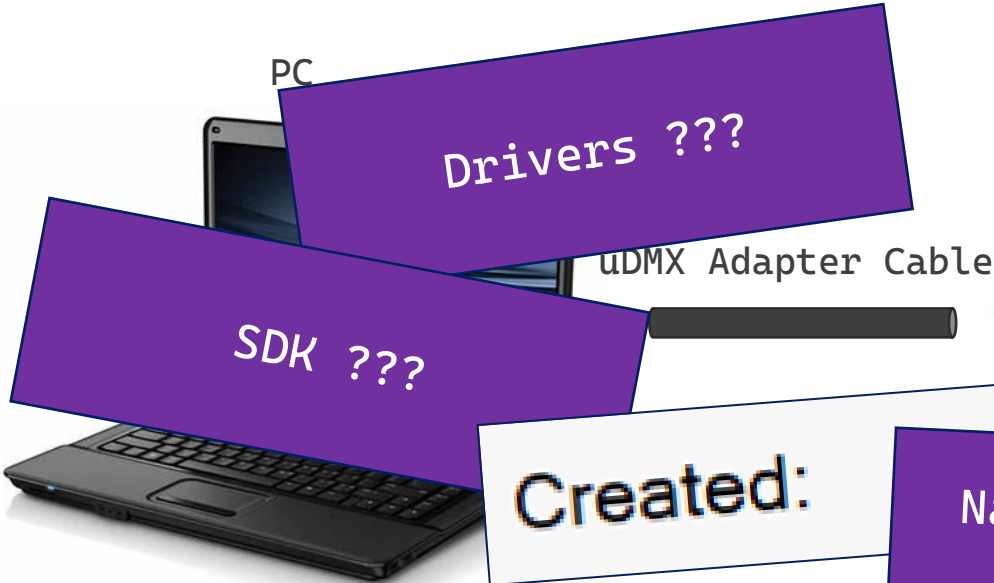
Par Led RGB



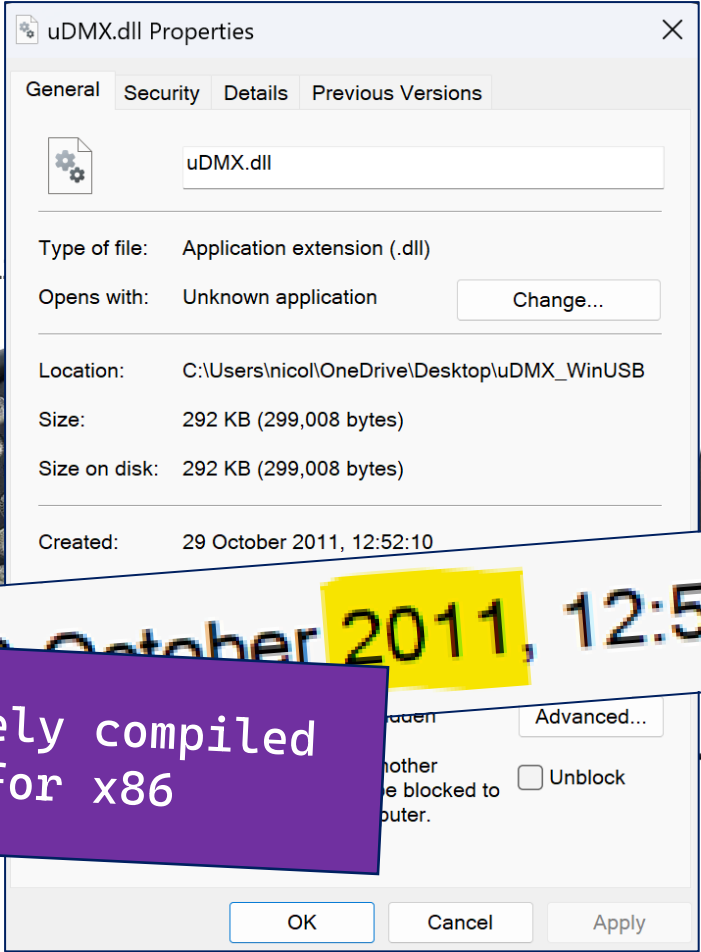
A Real Life Story



A Real Life Story



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Par Led RGB



Created:

Natively compiled
for x86

29 October 2011, 12:52:10

A Real Life Story

Requirements

Applicativo
Desktop

Uso di DLL
nativa
Win32

Componenti
UI Custom



Blazor Hybrid on WinForm

Blazor Hybrid On WinForms

Blazor Hybrid On WinForms

Differenze con le altre modalità di utilizzo di Blazor

- Eseguiti nativamente nel dispositivo client.
- Possono accedere a tutte le funzionalità del dispositivo utilizzando .NET
- Renderizzati in una WebView2 “embeddata” all’interno dell’applicazione tramite un canale in interoperabilità.

<https://github.com/dotnet/maui/blob/main/src/BlazorWebView/src/SharedSource/WebView2WebViewManager.cs#L201>

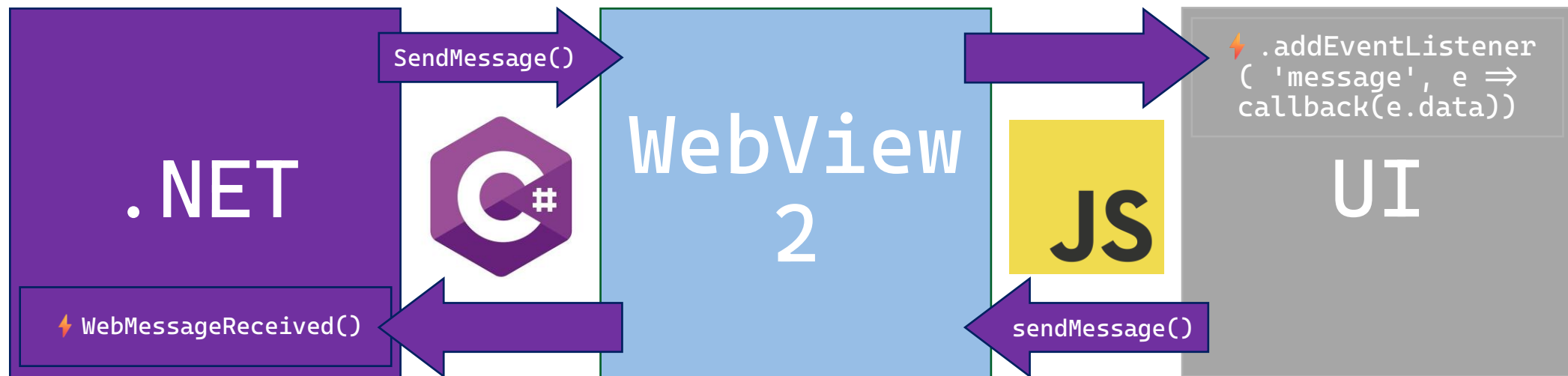
Blazor Hybrid On WinForms

Che cos'è WebView2 ?

- Microsoft Edge WebView2 è un runtime che fornisce funzionalità web-based ad applicativi desktop.
- Utilizza Microsoft Edge come rendering engine.










Blazor Hybrid On WinForms

Dietro le quinte: comunicazione tra .NET e WebView2



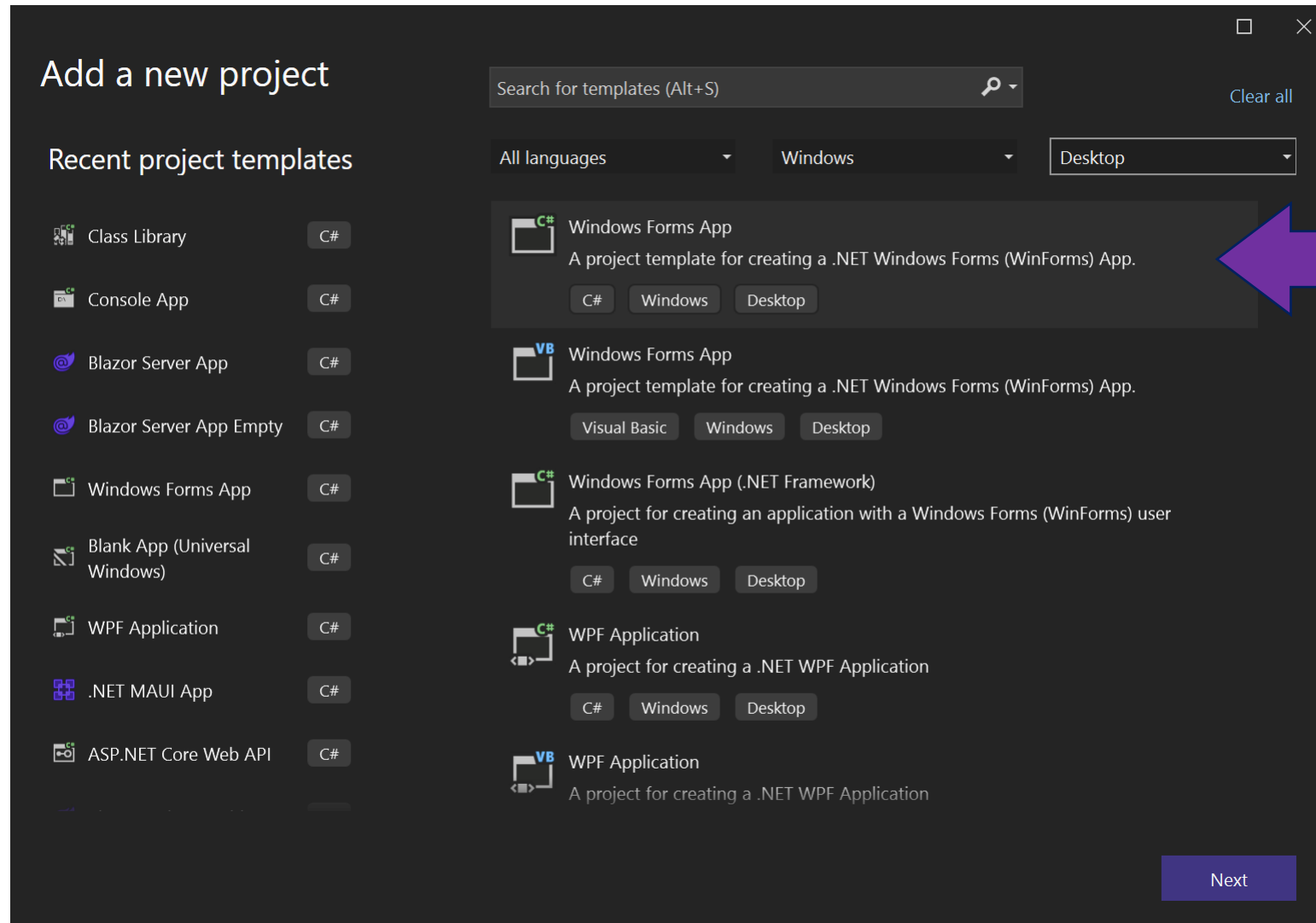
Blazor Hybrid On WinForms

Workloads

Workloads	Individual components	Language packs	Installation locations
Web & Cloud (4)			
 ASP.NET and web development Build web applications using ASP.NET Core, ASP.NET, HTML/JavaScript, and Containers including Docker supp...	<input checked="" type="checkbox"/>	 Azure development Azure SDKs, tools, and projects for developing cloud apps and creating resources using .NET and .NET Framework....	<input checked="" type="checkbox"/>
 Python development Editing, debugging, interactive development and source control for Python.	<input type="checkbox"/>	 Node.js development Build scalable network applications using Node.js, an asynchronous event-driven JavaScript runtime.	<input type="checkbox"/>
Desktop & Mobile (5)			
 .NET Multi-platform App UI development Build Android, iOS, Windows, and Mac apps from a single codebase using C# with .NET MAUI.	<input checked="" type="checkbox"/>	 .NET desktop development Build WPF, Windows Forms, and console applications using C#, Visual Basic, and F# with .NET and .NET Frame...	<input checked="" type="checkbox"/>
 Desktop development with C++ Build modern C++ apps for Windows using tools of your choice, including MSVC, Clang, CMake, or MSBuild.	<input type="checkbox"/>	 Universal Windows Platform development Create applications for the Universal Windows Platform with C#, VB, or optionally C++.	<input checked="" type="checkbox"/>
 Mobile development with C++ Build cross-platform applications for iOS, Android or Windows using C++.	<input type="checkbox"/>		

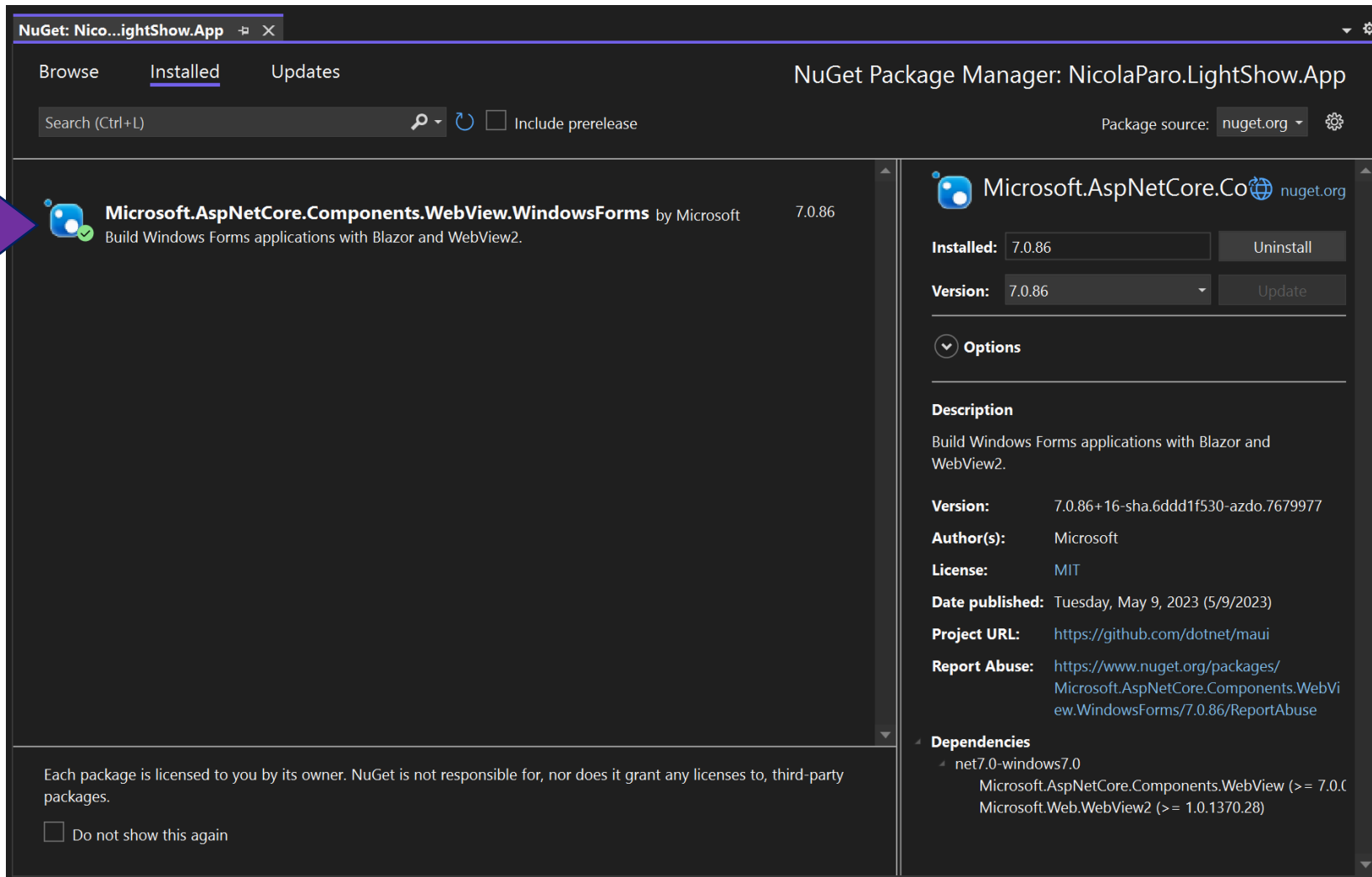
Blazor Hybrid On WinForms

Creazione Progetto



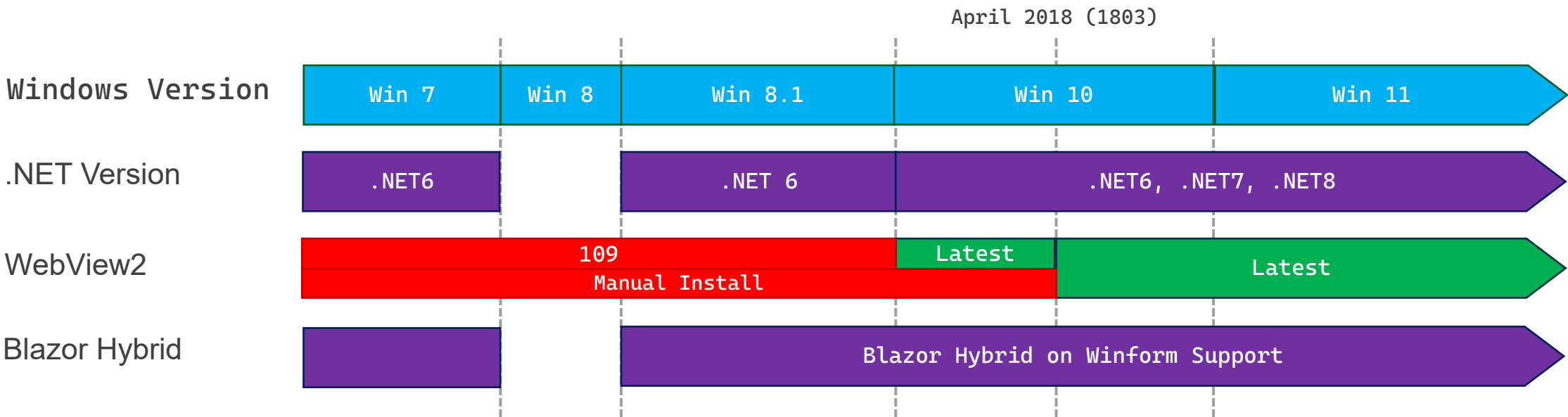
Blazor Hybrid On WinForms

Creazione Progetto – Aggiunta Nuget per utilizzare Blazor



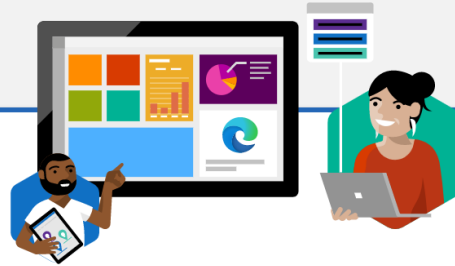
DEMO

Where can you Deliver it?



Where can you Deliver it?

Download the WebView2 Runtime



When distributing your application, there are a few ways you can ensure the WebView2 Runtime is on client machines. [Learn more](#) about those options. For installation issues and error codes see our [troubleshooting guide](#).

Evergreen Bootstrapper

The Bootstrapper is a tiny installer that downloads the Evergreen Runtime matching device architecture and installs it locally. There is also a Link that allows you to programmatically download the Bootstrapper.

[Get the Link](#) ↓

[Download](#) ↓

Evergreen Standalone Installer

A full-blown installer that can install the Evergreen Runtime in offline environment. Available for x86/x64/ARM64.

[x86](#) ↓

[x64](#) ↓

[ARM64](#) ↓

Fixed Version

Select and package a specific version of the WebView2 Runtime with your application.

Select Version

113.0.177... ▼

Select Architecture

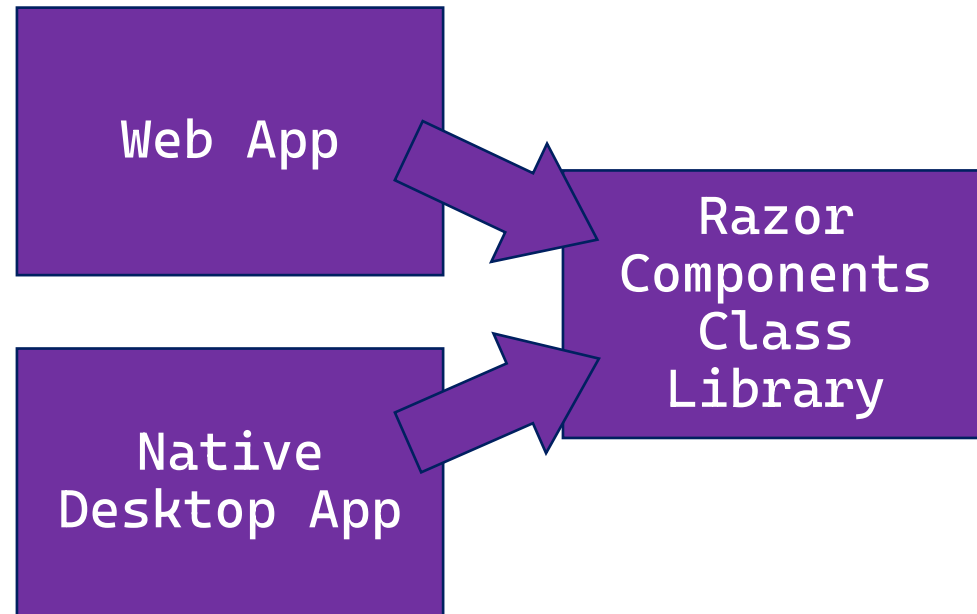
arm64 ▼

[Download](#) ↓

<https://developer.microsoft.com/en-us/microsoft-edge/webview2/>

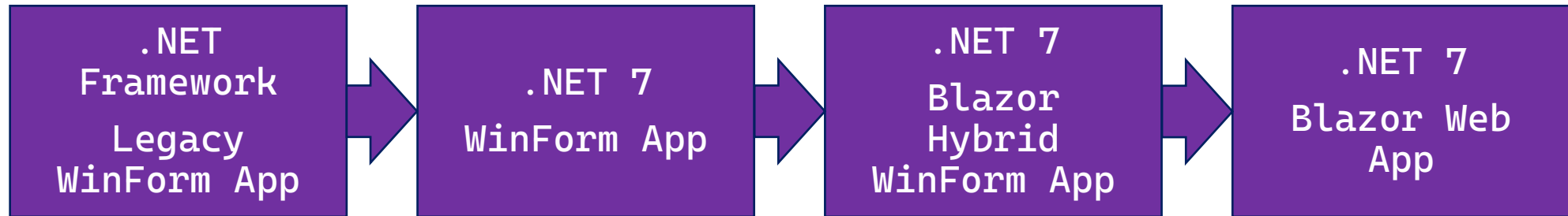
Blazor Hybrid on WinForms – Use Cases

Stessa esperienza su Web e Desktop



Blazor Hybrid on WinForms – Use Cases

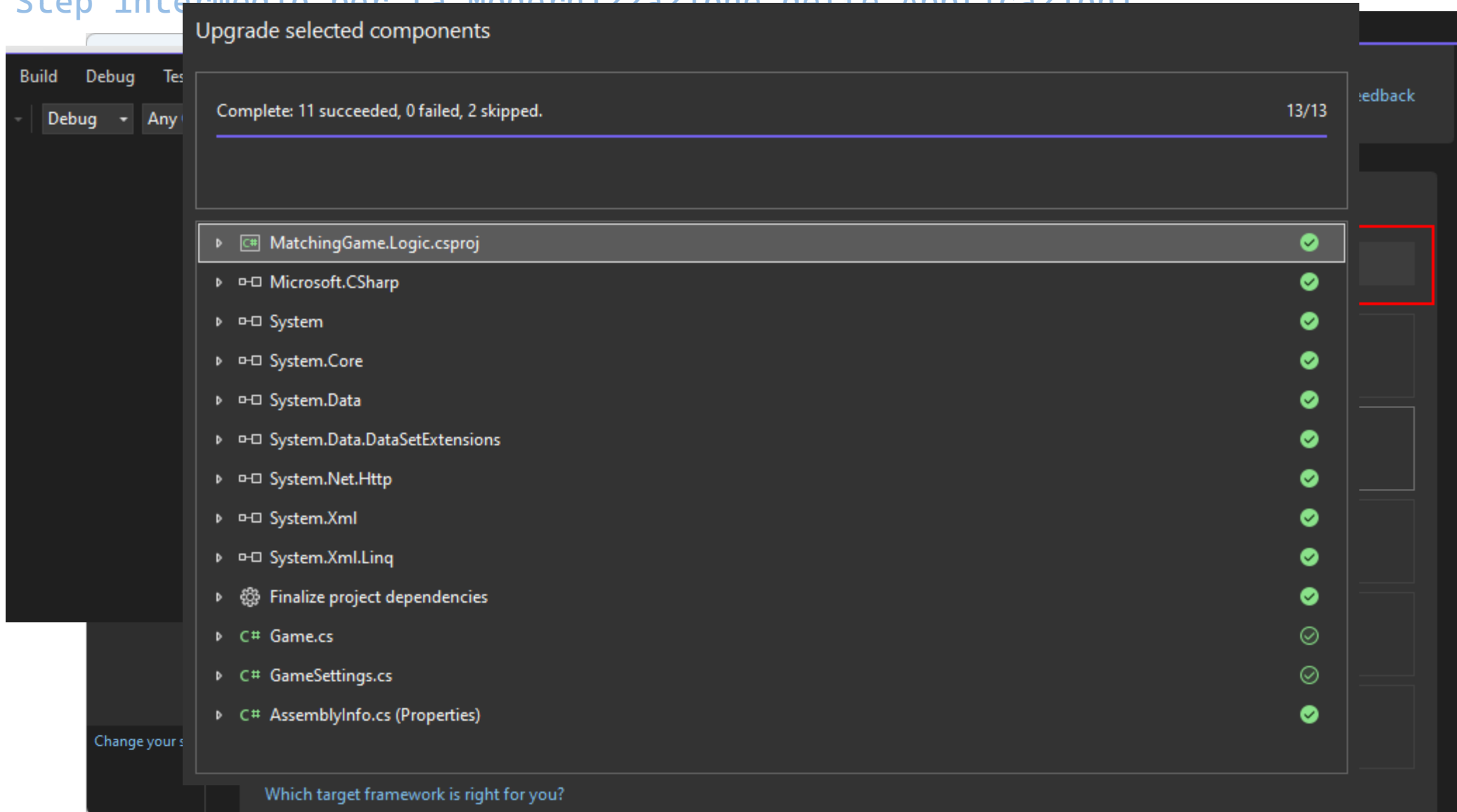
Step intermedio per la Modernizzazione delle Applicazioni



.NET Upgrade
Assistant

Blazor Hybrid on WinForms – Use Cases

Step intermedio per la Modernizzazione delle Applicazioni



Interessati a Blazor?



**BLAZOR
DEVELOPER**
ITALIANI

Blazor Developer Italiani è la prima
community italiana dedicata allo sviluppo
di applicazioni con **Blazor**

Thanks!



Sabato 30 settembre 2023

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About Me

Nicola Paro

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