

# The Hawaiian promise to unify Desktop and Mobile Apps

with Laurentiu Stamate

**JULY 10**

at 11:00 AM

@ CEGEKA Office  
(15-17 Ion Mihalache Boulevard, Bucharest)

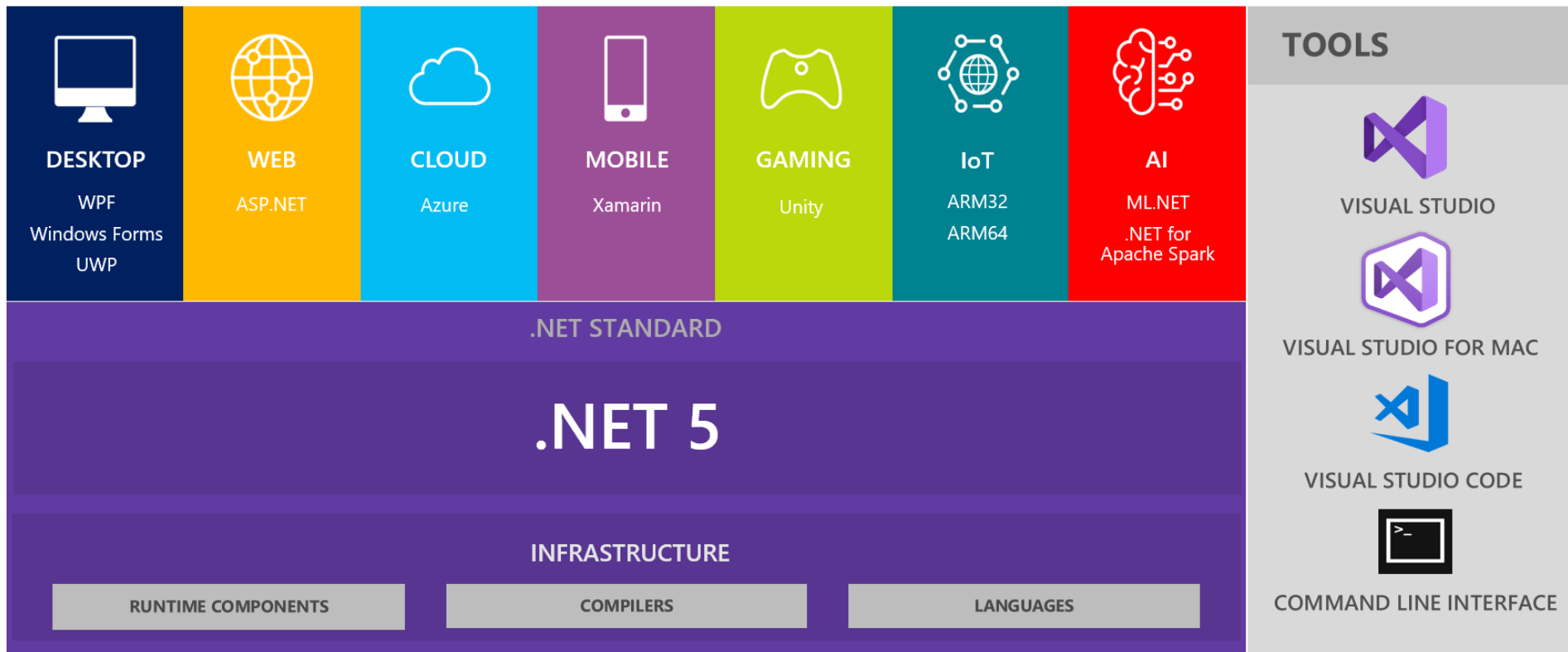


# Agenda

1. Current status of .NET
2. What or Who is Maui?
3. Blazor and WebAssembly
4. Showcase MAUI and Blazor
5. Lunch break (snacks offered by CEGEKA)
6. Hands-on demo: Tic-Tac-Toe game in Blazor bundled with Maui

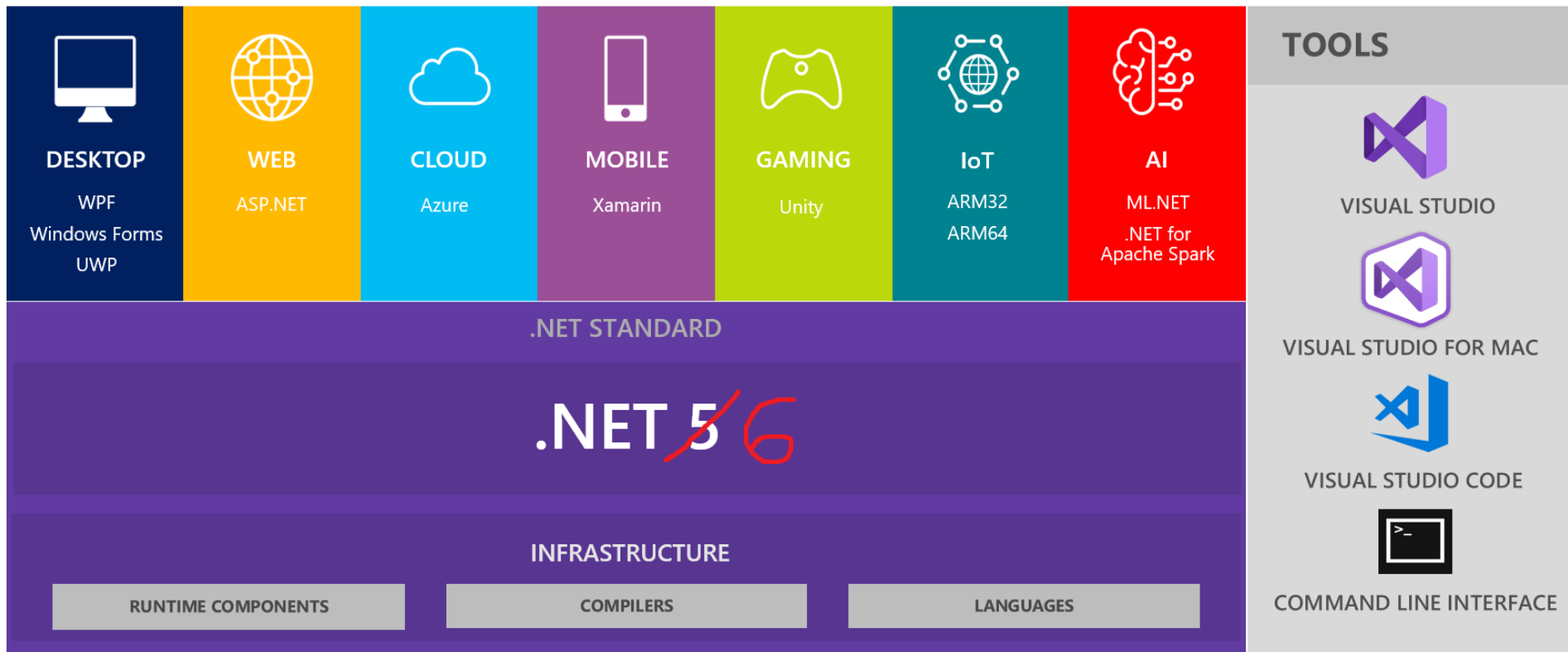
# Current status of .NET

## .NET – A unified platform



# Current status of .NET

## .NET – A unified platform





# What is Maui?



# Who is Maui?





# .NET MAUI



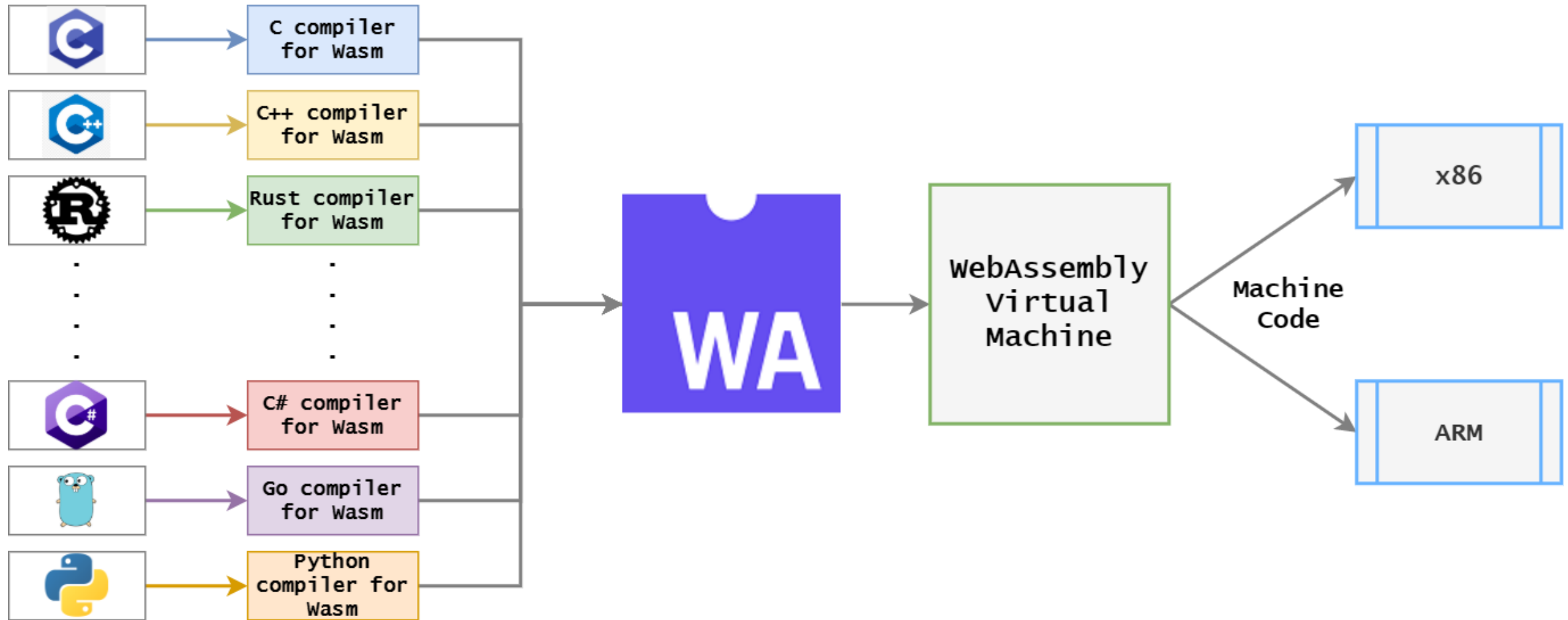
- Multi-platform App UI
- Cross-platform, native UI
- Single project system, single codebase
- Deploy to multiple devices, mobile and desktop
- Evolution of Xamarin.Forms

# .NET MAUI

Showcase



# WebAssembly



# WebAssembly



**Solomon Hykes**

@solomonstre

If WASM+WASI existed in 2008, we wouldn't have needed to create Docker. That's how important it is. Webassembly on the server is the future of computing. A standardized system interface was the missing link. Let's hope WASI is up to the task!

# WebAssembly



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**Solomon Hykes**

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"So will wasm replace Docker?" No, but imagine a future where Docker runs linux containers, windows containers and wasm containers side by side. Over time wasm might become the most popular container type. Docker will love them all equally, and run it all :)



Solomon Hykes, Founder, Docker

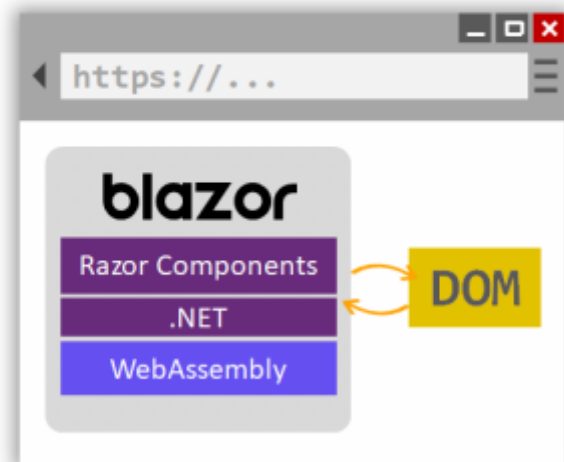
# Blazor



- Interactive web UI with C#
- Share code and libraries
- JavaScript interop
- Open source and free

# Blazor

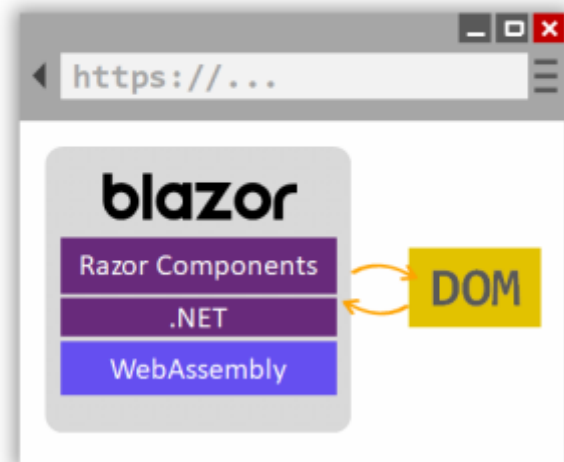
## Client-Side Blazor



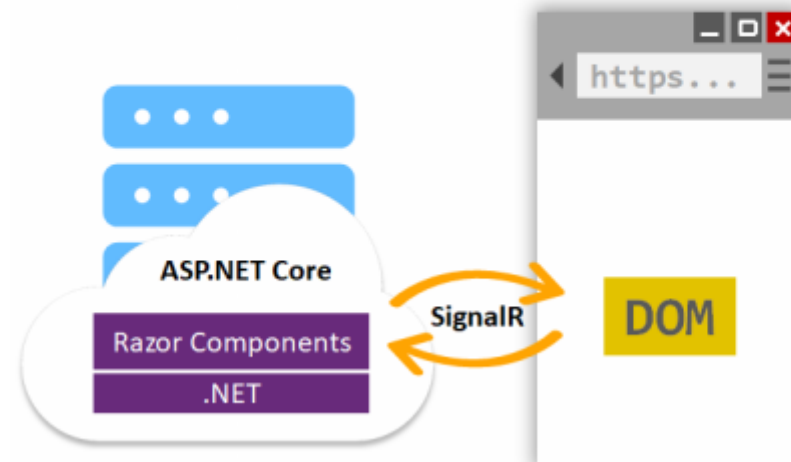


# Blazor

## Client-Side Blazor



## Server-side Blazor



# BlazorWebView

- Leverages native WebViews on Windows / Linux / macOS
- It's like Electron, but without bundling Node.js or Chromium, and without most of the the APIs

# BlazorWebView



JavaScript Developers



# Blazor

Showcase

# Lunch break

Snacks offered by CEGEKA



# Tic-Tac-Toe game



- Windows 10
  - .NET 6 Preview 5
  - Visual Studio 2019 16.11 Preview
- macOS BigSur
  - .NET 6 Preview 5
  - Visual Studio 2019 for Mac 8.10 Preview
  - Xcode 12.5
- <https://github.com/laurentiustamate94/softbinator-2021>