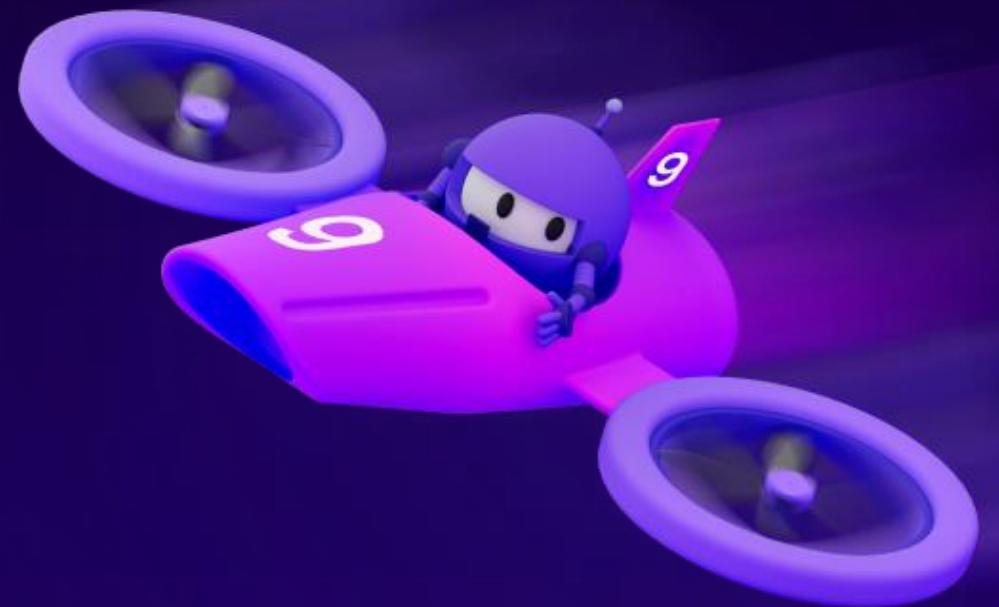
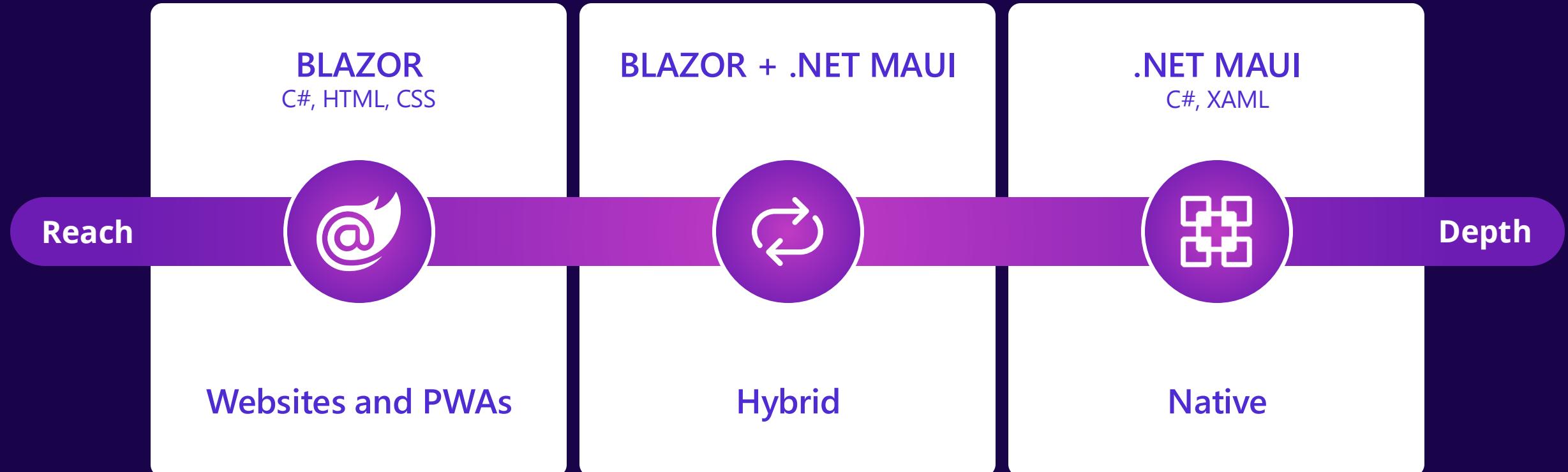


What's New in .NET MAUI

David Ortinau & Rachel Kang



.NET offers choice for developers



.NET Multi-platform App UI (MAUI)

Single project system, single codebase

WinUI



Mac Catalyst



iOS



Android



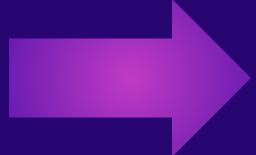
A year of growth and contributions

.NET MAUI is Active and Growing



>30%
YoY Active users

1600+ PRs,
600+ Issues Closed
in .NET 8



1900+ PRs,
2800+ Issues Closed
since .NET 8 release



ambientindustries

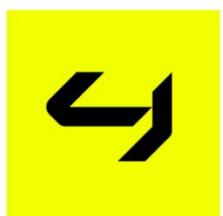
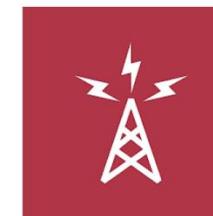
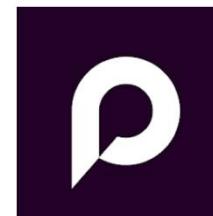
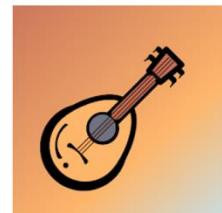
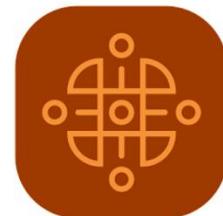
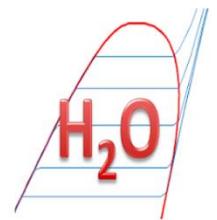


Medtronic

ansight



escola ágil





2.6x

growth since .NET 8 release

"Our next generation Active Trader Pro platform is built with Microsoft's .NET MAUI. With .NET MAUI we delivered the speed and reliability needed for streaming market data and high volume trading."

Mark Burns
SVP, Fidelity Brokerage



Active Trader Pro Beta

Tradition... *1900 \$272,250.82 +\$170.88 (+0.06%)

Symbol Quantity Purchase Pri Last Day Range \$ Total G/L Bid Ask

AAL	6	13.92	13.5636	13.45 - 13.89	-2.12	13.56	13.57
AAPL	5	220.13	227.95	226.40 - 229.83	39.09	227.94	227.95
DKNG	1	39.03	35.869	35.75 - 36.75	-3.16	35.86	35.87
FXAIX	1.06	141.51	202.02	0.00 - 0.00	64.14	--	--
F	4	10.90	10.3201	10.28 - 10.48	-2.30	10.32	10.33
IBM	82	143.60	207.68	203.51 - 207.72	5,254.56	207.64	207.70
QQQ	2	444.99	485.51	484.17 - 492.43	81.04	485.52	485.53
MGOL	1	5.42	2.46	2.40 - 2.50	-2.96	2.42	2.46
MSFT	0.342	412.57	409.03	406.30 - 416.16	-1.21	409.01	409.06
TSLA	2	187.11	253.051	250.68 - 259.75	131.94	253.04	253.07
Totals					5,561.95		

Search All types Long 11 Short 0 Export to CSV

Symbol Action Amount Order Type Status Bid Ask Filled

C R AAL	Sell	1	Limit at \$15.00	Open	13.56	13.57	--
C R AAL	Sell	1	Limit at \$15.00	Open	13.56	13.57	--
C R AAL	Sell	1	Limit at \$15.00	Open	13.56	13.57	--
AAL	Buy	1	Limit at \$14.00	Filled at \$13.83	13.56	13.57	1 / 1
AAL	Buy	1	Limit at \$14.00	Filled at \$13.83	13.56	13.57	1 / 1
AAPL	Buy	1	Limit at \$229.00	Filled at \$228.99	227.94	227.95	1 / 1
AAPL	Buy	1	Limit at \$229.00	Filled at \$228.99	227.94	227.95	1 / 1
AAPL	Buy	1	Limit at \$229.00	Filled at \$228.99	227.94	227.95	1 / 1
F	Buy	1	Limit at \$10.00	Pending Cancel	10.32	10.33	--
F	Buy	1	Limit at \$10.00	Pending Cancel	10.32	10.33	--

MSFT Level 2 MICROSOFT CORP 409.03 -23.50 (-5.43%) B: 409.01 x 2 A: 409.06 x 1 V: 30,303,430

SELL at MARKET BUY LIMIT at BID LIMIT at ASK DAY+ BUY at MARKET

Exch	Size	Bid	Ask	Size	Exch
XNMS	110	409.01	409.06	120	XNMS
IEXGX	100	409.01	409.07	191	XNMS
EDGX	100	409.01	409.08	121	XNMS
ARCX	240	409.01	409.09	34	ARCX
BATS	200	409.01	409.09	120	XNMS
XNMS	420	409.00	409.10	30	ARCX
ARCX	42	409.00	409.10	120	XNMS
XNMS	320	408.99	409.11	109	ARCX
ARCX	30	408.98	409.11	367	XNMS

Log Ext Analysis Draw Compare Indicators Displays Events

MSFT 409.03 -23.50 (-5.43%) Jul-31-2024 O: 453.20 H: 459.59 L: 453.11 C: 459.28 V: 13.98 M

Bollinger Bands (20,C,2,ma,y) 465.72 441.55 417.38

vot undr

MSFT MICROSOFT

Symbol Last \$ Chg % Chg Bid

BKNG	4,694.73	230.80	5.17	4,686.75
ROOT	78.605	38.115	94.13	78.01
CVNA	258.3601	51.0501	24.62	258.36
PAYC	214.98	42.73	24.81	214.77
MDGL	249.65	33.72	15.62	249.49
ARGX	581.09	29.38	5.33	580.68
LPLA	286.225	22.205	8.41	285.90
MATX	154.24	20.65	15.46	154.09
ETR	154.04	19.64	14.61	154.00
BIO	351.00	20.42	6.18	349.60
MUSA	483.27	20.64	4.37	493.33
WCC	194.395	16.595	9.33	194.20
MYRG	132.47	17.14	14.86	131.93
EME	449.34	17.57	4.07	448.21

.DJI -0.42% .SPX -1.40% .XIC -2.32% .TNX 0.00% BTC/USD -2.34% SPY -1.47% MSFT -5.43% QQQ -2.19% XLF -0.64% IBM +1.36% F 10.32 -1.43% 1:27 PM ET



FINLOCKER®

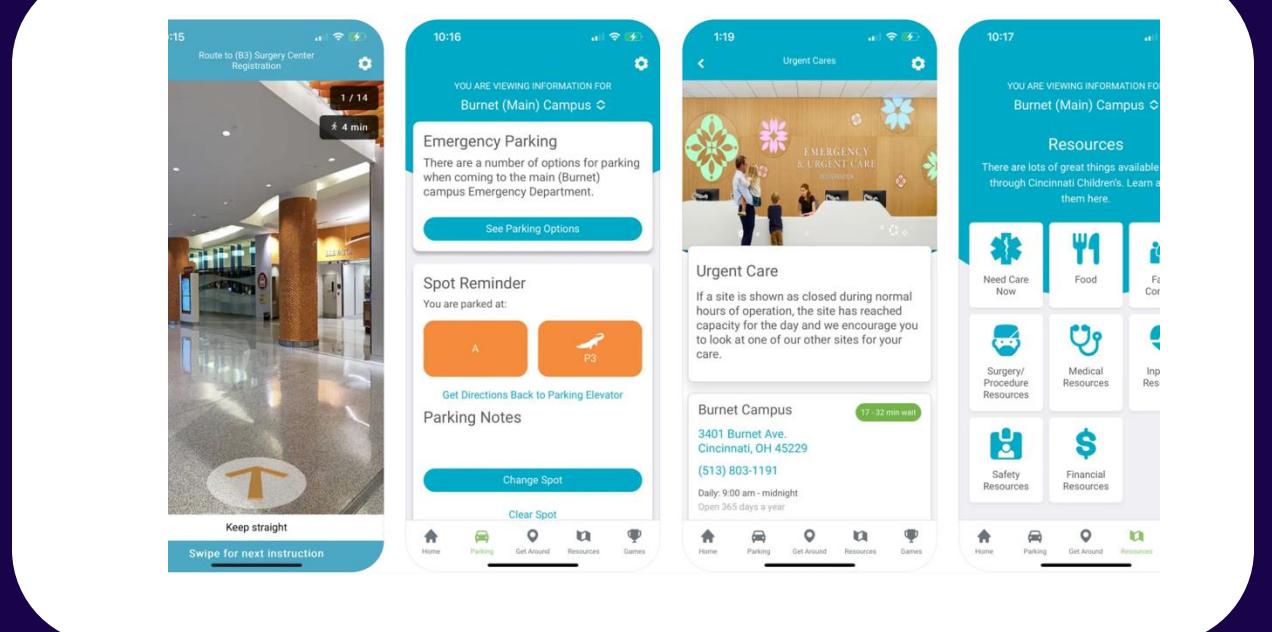
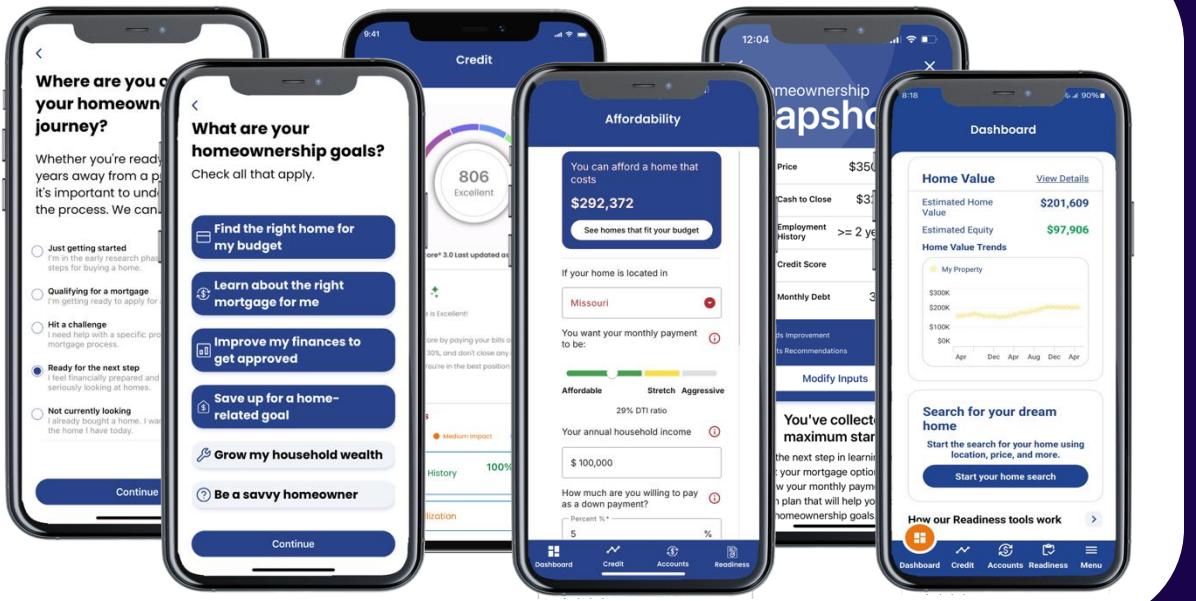


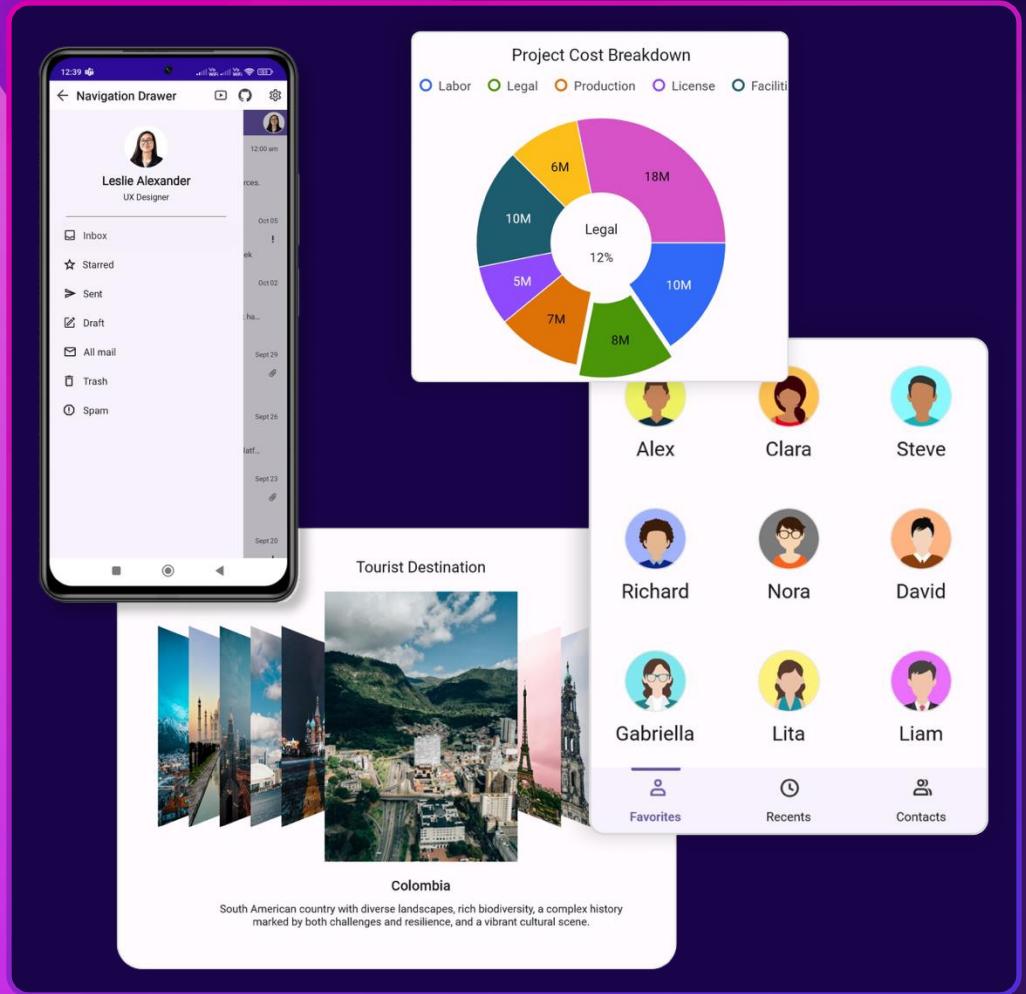
Cincinnati
Children's
Hospital

CIVICA



GE Digital





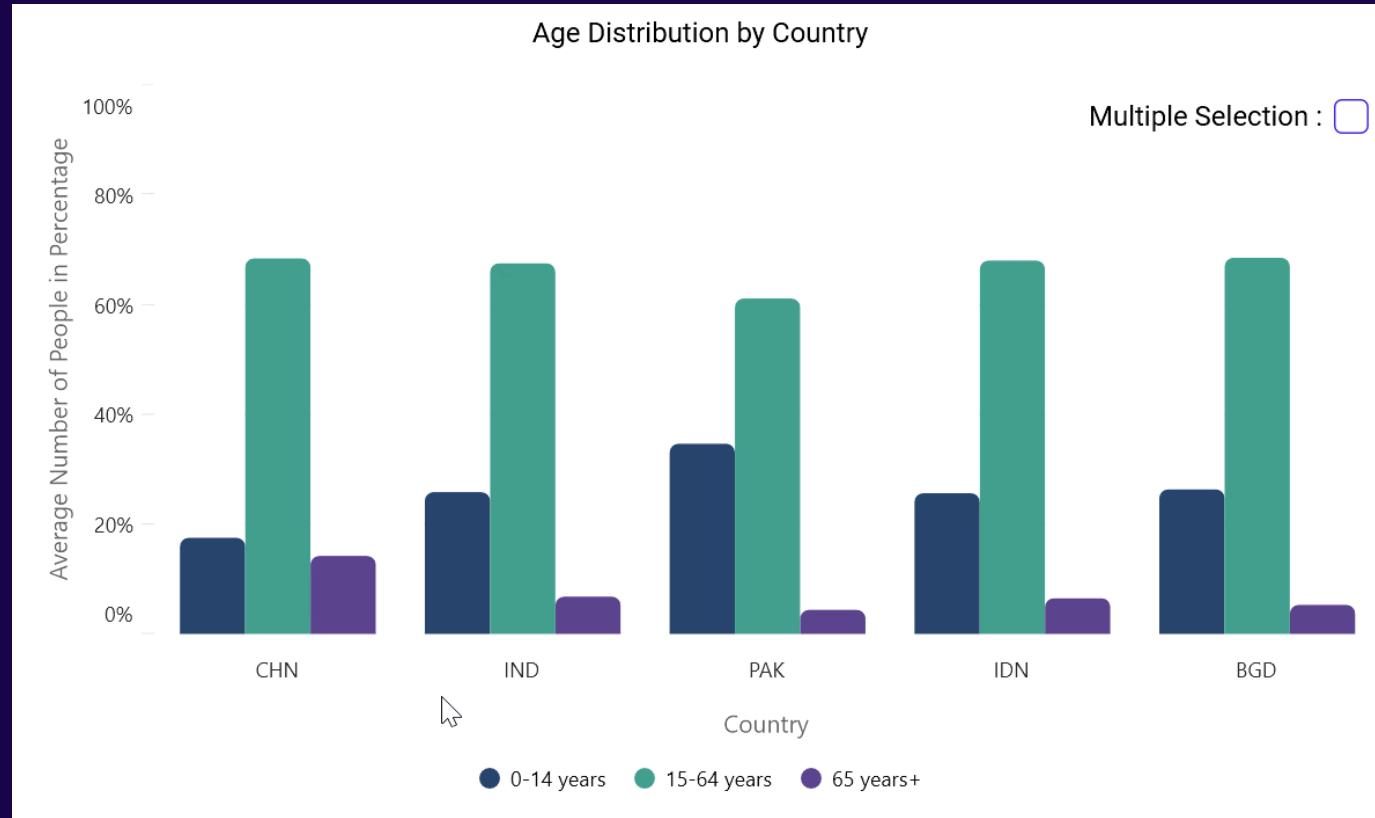
Syncfusion - Accelerating Community Collaboration

14 free, open-source controls available for .NET MAUI!

Open-source on github.com/syncfusion/maui-toolkit

Package Syncfusion.Maui.Toolkit available on NuGet





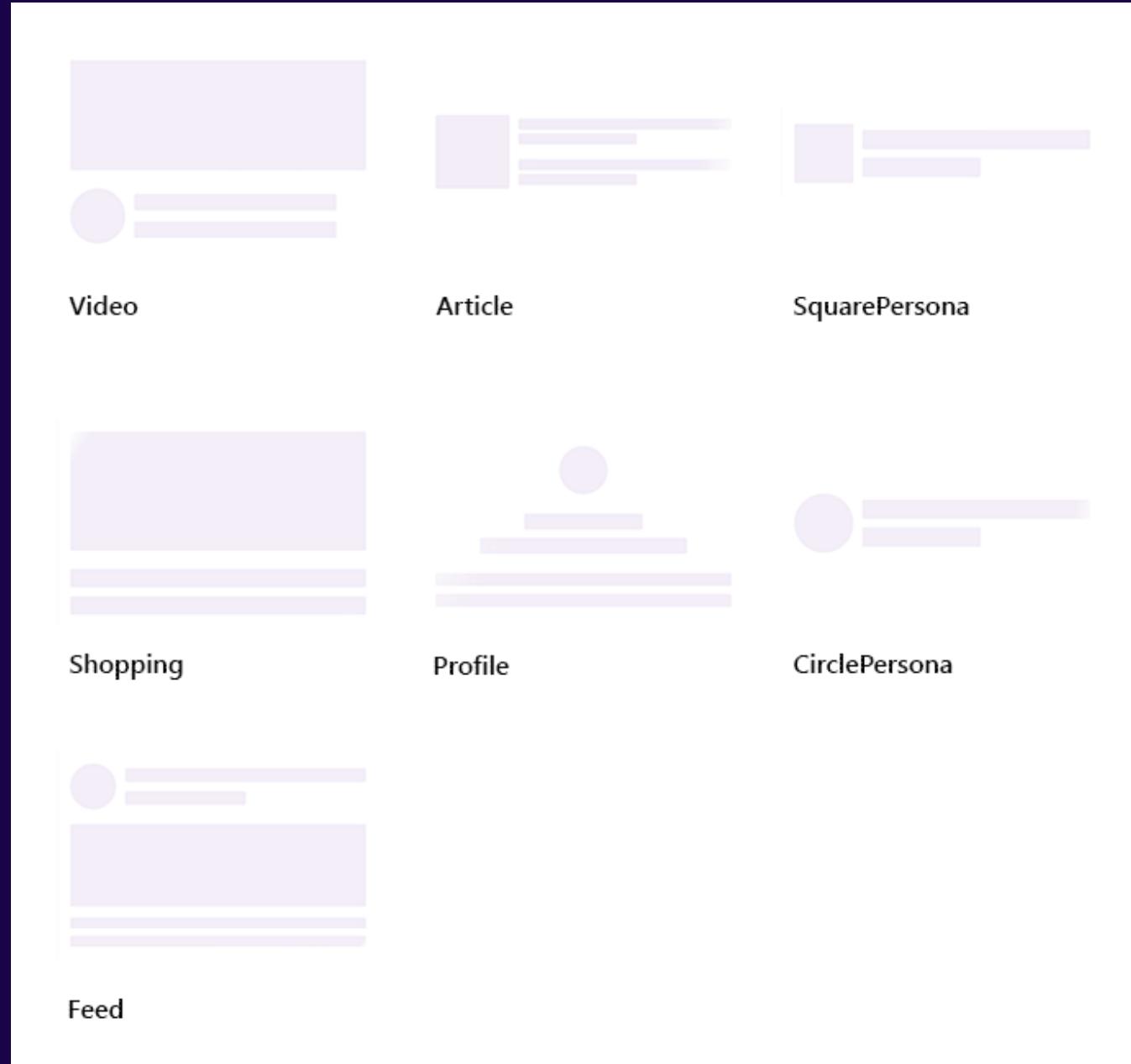
Cartesian Charts (line, bar, and area)

Circular Charts (pie and doughnut)

Pyramid Charts

Funnel Charts

Polar Charts



← Navigation Drawer



Leslie Alexander

UX Designer

Inbox

Starred

Sent

Draft

All mail

Trash

Spam

- 12:00 am
- Oct 05
- ek
- Oct 02
- ha...
- Sept 29
- lat...
- Sept 26
- lat...
- Sept 23
- lat...
- Sept 20

Day Week Month Year

✓ Andrew Fuller ✓ Emilio Alvaro Robert King

Laura Steffi

Data Science Analyst

Tourist Destination



Colombia

South American country with diverse landscapes, rich biodiversity, a complex history marked by both challenges and resilience, and a vibrant cultural scene.

Filled

Name

Enter the name

Name

John

Enter the name

Outlined

Name

Enter the name

Name

John

Enter the name

None

Name

Enter the name

Name

John

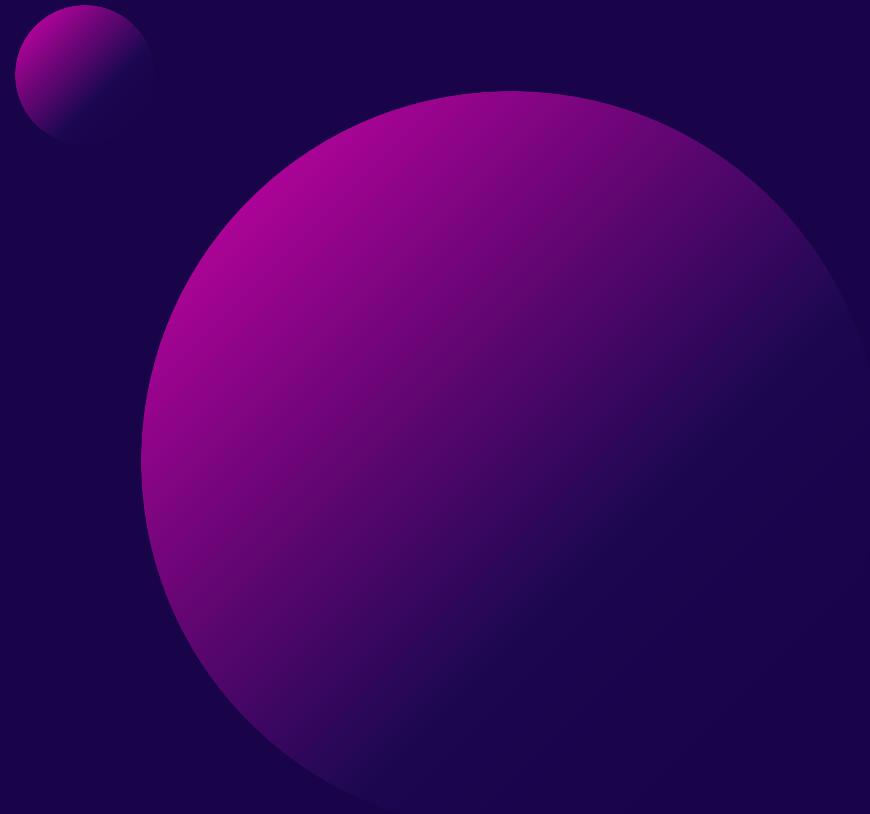
Enter the name

Alex	Clara	Steve
Richard	Nora	David
Gabriella	Lita	Liam

Favorites Recents Contacts

> dotnet new maui

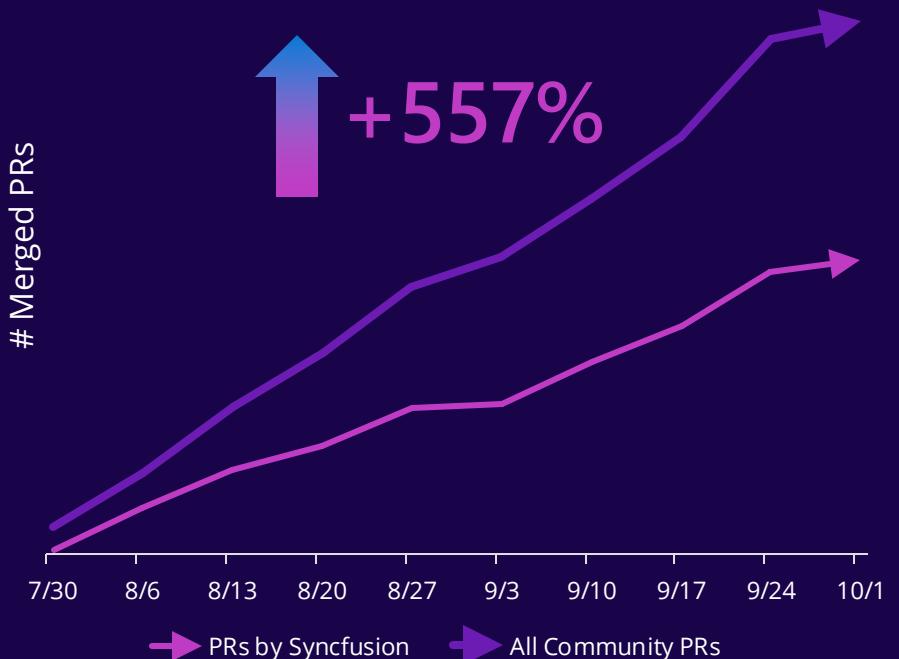
Demo



Component Vendors



.NET MAUI Merged Community PRs
July 30 – Oct 1



.NET MAUI Welcomes All Contributors!

Syncfusion has contributed 55% of community PRs
from July 30 – Oct 1

Thank you to all our wonderful community contributors!

Thank you contributors!

New features in
.NET 9

9

.NET MAUI in .NET 9



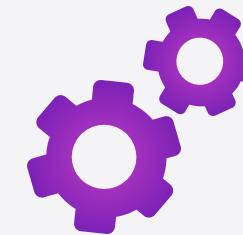
Controls



App
Lifecycle



Performance



Platform
Integrations

Generally available



Android 35 &
iOS 18 Support



Xcode
Sync CLI

iOS

Multi-target
bindings



Native Library
Interop



New lifecycle
events



Activate
Window



CollectionView &
CarouselView
Performance
Improvements



New TitleBar
Control



Asset Packs



Native
Embedding
Enhancements



New Input
Keyboards



.NET
Native AOT
improvements



Trimming
Enhancements



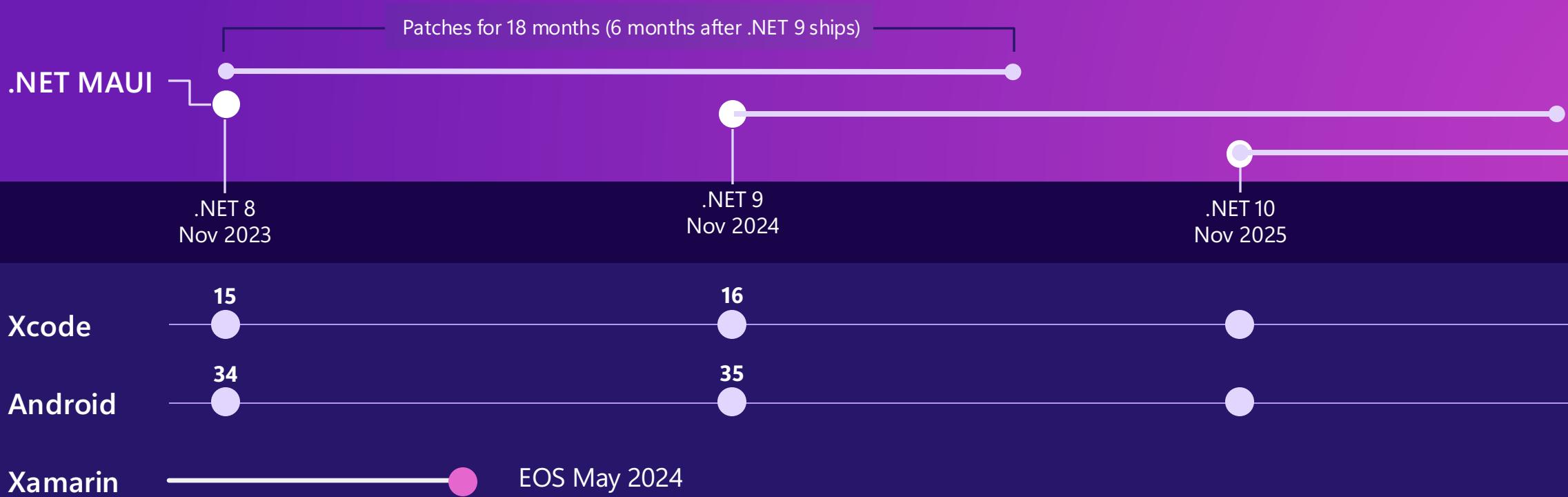
HybridWebView



Justify text
alignment

.NET MAUI in .NET 9

Release schedule, support & patching



- .NET MAUI ships on the same cadence as .NET
- .NET MAUI is an optional .NET workload with external dependencies (such as Xcode & Android SDK tools)

- A major version of .NET MAUI receives patches for 6 months after a successor (major version) ships
- Xamarin SDKs support ended May 2024

Generally available



.NET MAUI extension for VS Code

XAML intellisense, tooltips, auto-insert, color swatches, & more

Hot reload for XAML and C#

Xcode sync support with new dotnet tool



Visual Studio 2022

17.12 GA

Generally available

New .NET MAUI sample template

Full Page Hot Reload

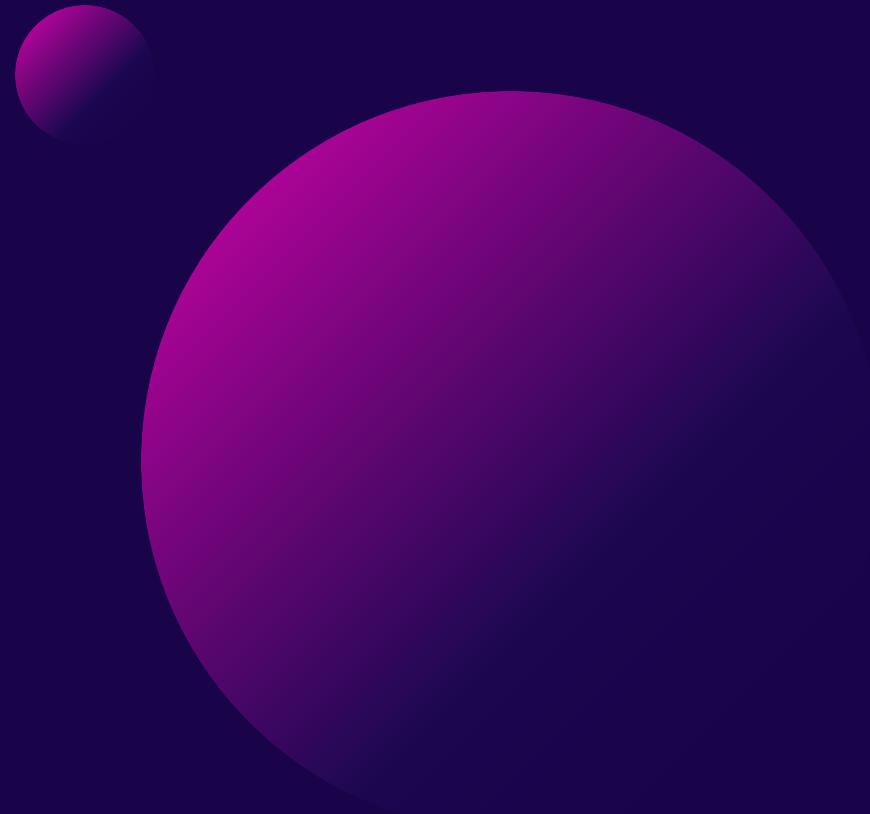
GitHub Copilot improvements for .NET MAUI

17.13 Preview 1

Preview

(Preview) XAML Live Preview detached from debugger

Demo



Native Library Interop

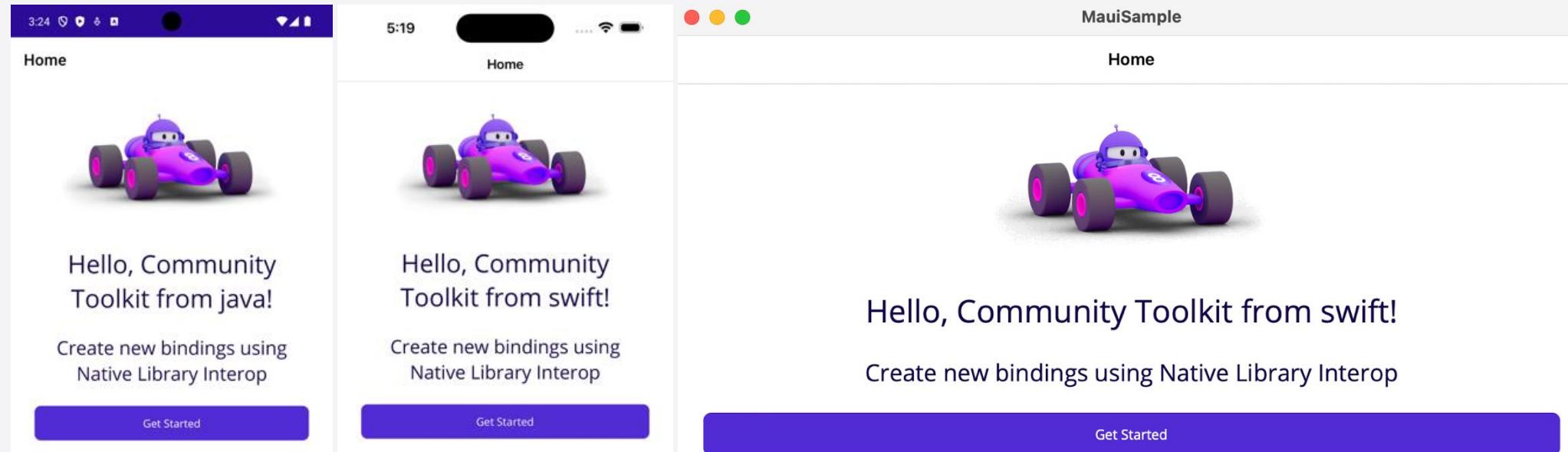


- **Interop between .NET and Obj-C/Swift/Kotlin/Java**
- **Especially beneficial when binding a small API surface**
- **Bind to libraries directly via native projects and docs**

Native Library Interop

Get Started: Samples & Template in Community Toolkit

aka.ms/maui/native-library-interop



Workload Sets

Manage optional .NET workloads by version predictable builds for CI

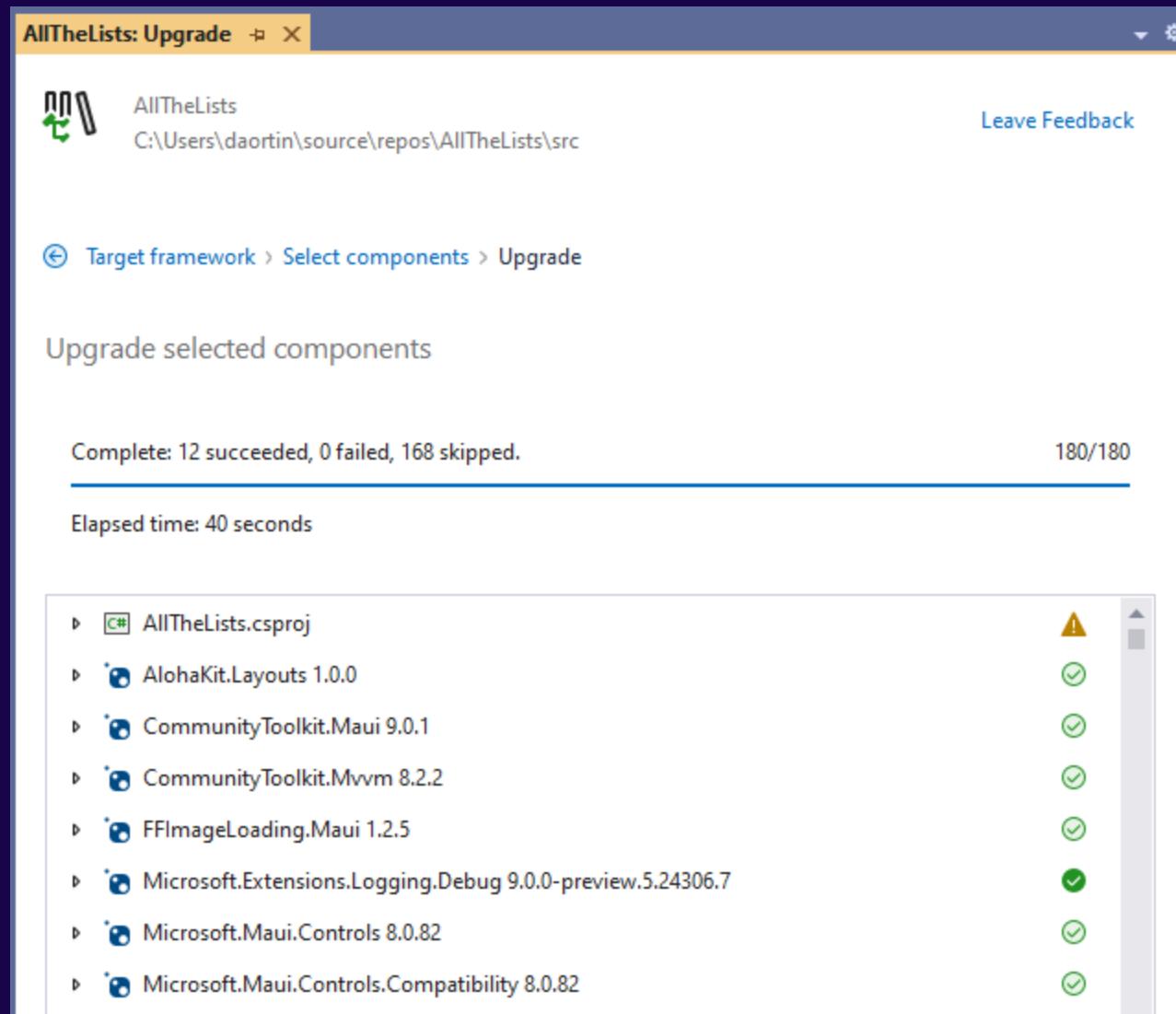
Installation

```
> dotnet workload install maui --version 9.0.100
```

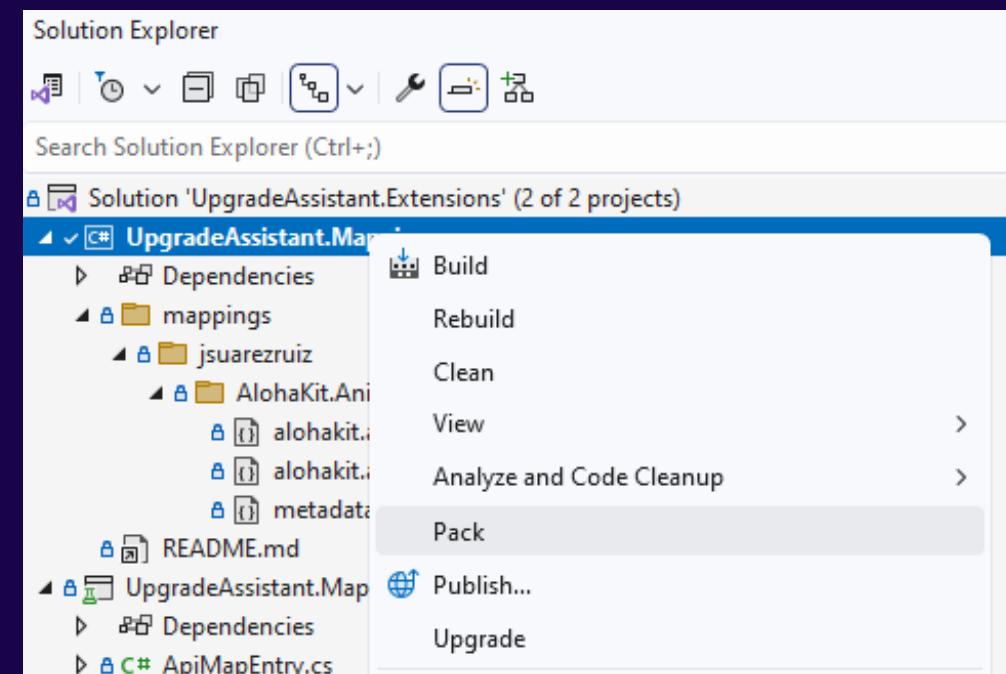
Pin by global.json

```
{  
  "sdk": {  
    "workloadVersion": "9.0.100-manifests.f4f7fc79"  
  }  
}
```

.NET Upgrade Assistant



Third party library support
Upgrade APIs and packages





Get .NET 9



Download .NET 9
aka.ms/get-dotnet-9



Take the survey!

Your feedback will help us continue improving the future of .NET MAUI

.NET MAUI at .NET Conf 2024

Tuesday @ 3:15pm PST

Build Hybrid Apps with .NET MAUI

Beth Massi, Eilon Lipton

Wednesday @ 2:30pm PST

**.NET MAUI Performance Optimizations
with NativeAOT and Trimming**

Jonathan Peppers

Wednesday @ 6pm PST

**From Figma to .NET MAUI: Transform
Your Designs into XAML Code in Seconds**

Héctor Uriel Pérez Rojas

Thursday @ 11am PST

Community Toolkit Roundup

Gerald Versluis, Michael Hawker, Adrian Hall

Friday @ 10am PST

Deep Dive on Native AOT

Michal Strehovský

Friday @ 3pm PST

**How Fidelity uses .NET MAUI for Cross-
platform desktop**

David Ortinau, Matthew Faust, Kevin Bieri

Have a great
.NET Conf

