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Tonight @ 6:00 CDT

Adam Zucchi Presents Migrating Your Xamarin.Forms Apps to INET MAUI

Who am I?

- 9+ years of Xamarin
- Started MNEM in late Summer/early Fall of 2013 w/ Steve
- Using Xamarin.Forms since introduction (May 2014)
- Xamarin Certified Mobile Developer
- Freelance Developer since 2011

Migrating Your Xamarin.Forms Apps to .NET MAUI

What is .NET MAUI?

- .NET Multi-platform App UI
- A new UI framework that lets you build native apps using a .NET cross-platform UI toolkit that targets the mobile and desktop environments on Android, iOS, Mac Catalyst, WinUI.
- Open-source
- Long story short, it is the Evolution of Xamarin. Forms!!

Xamarin.Forms

- Currently slated for support through May of 2024
- If you've written Xamarin.Forms apps in either C# or XAML you'll find yourself right at home w/ MAUI
- All UI controls from Xamarin. Forms coming to .NET MAUI
- Start migrating!



Migrate to .NET MAUI

- Option 1: NET Upgrade Assistant
 - Windows Command Line Only
 - Still in preview
 - Not reviewing this today, sorry!
- Option 2: Manually Migrate
- 1. Take Inventory of App
- 2. Look over Nuget Dependencies
- 3. Binding Projects
- 4. Custom Renderers

Take Inventory of App

- Remove any unused...
 - Code
 - Custom Renderers
 - Nugets
- Update to the latest Xamarin.Forms

Start taking inventory of your apps now!

Look over Nuget Dependencies

- This will likely be the biggest step you'll have in the process
- Non-UI packages should 'just work'
- Check if 3rd party library creators have MAUI versions built or in progress
 - If not....
 - Check their repos on Github (if available)
 - Any open Issues related to MAUI?
 - Contact the author(s)

Binding Projects

- Will need to add the 'net6/net7' target frameworks
- Make API changes (if needed)
- Test and rebuild

Custom Renderers

- Check out the Wiki page to port renderer to handler
 - New handler architecture removes view wrapping
- https://github.com/dotnet/maui/wiki/Porting-Custom-Renderers-to-Handlers

Demo

NET MAUI - Resources

- https://www.theurlist.com/maui_upgrade
- https://github.com/Sweekriti91/DevReach_2022_MigrateMaui
- https://github.com/dotnet/maui/wiki/Migrating-from-Xamarin.Forms-(Preview)
- https://github.com/Sweekriti91/ArtAuction/tree/mauiprojecthead
- https://github.com/dotnet/maui/wiki/Porting-Custom-Renderers-to-Handlers
- https://www.youtube.com/watch?
 app=desktop&v=_XT7m5oIKCs

Questions?