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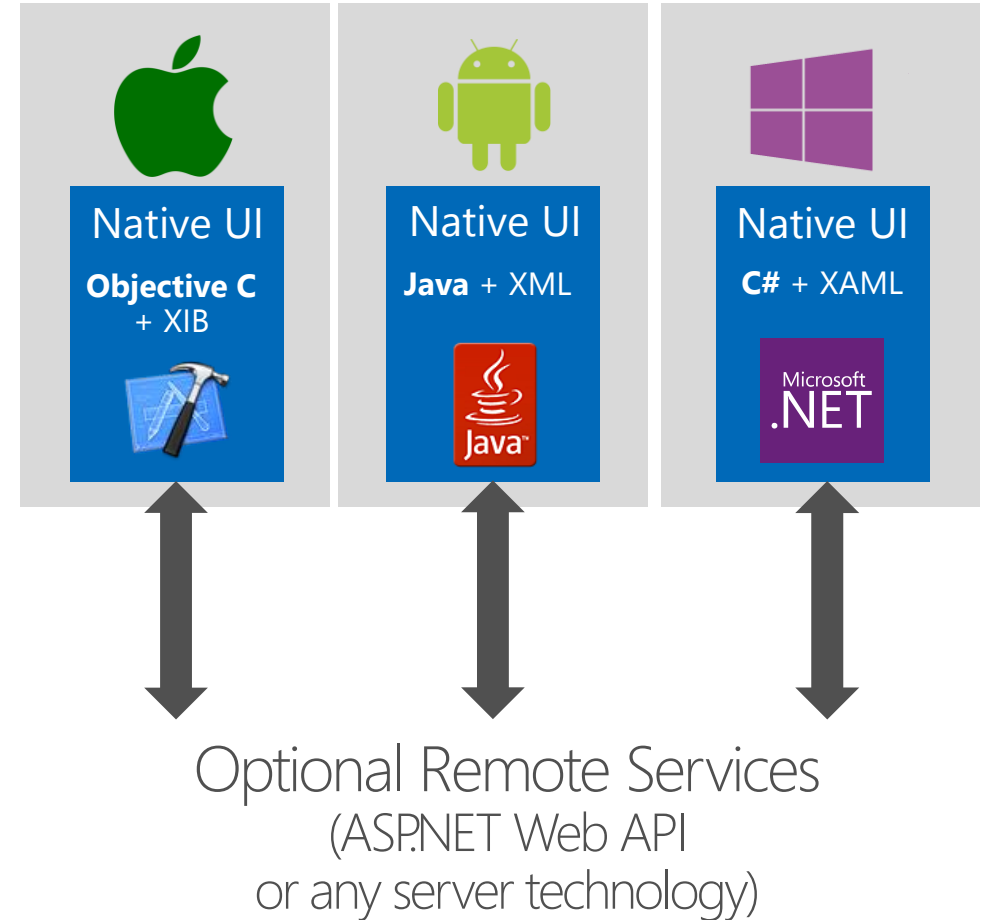
Developing iOS and Android Apps using Xamarin and Visual Studio – Part 1

Albert Ho, Technical Evangelist
Microsoft HK

Siloed approach

Build native apps multiple times means:

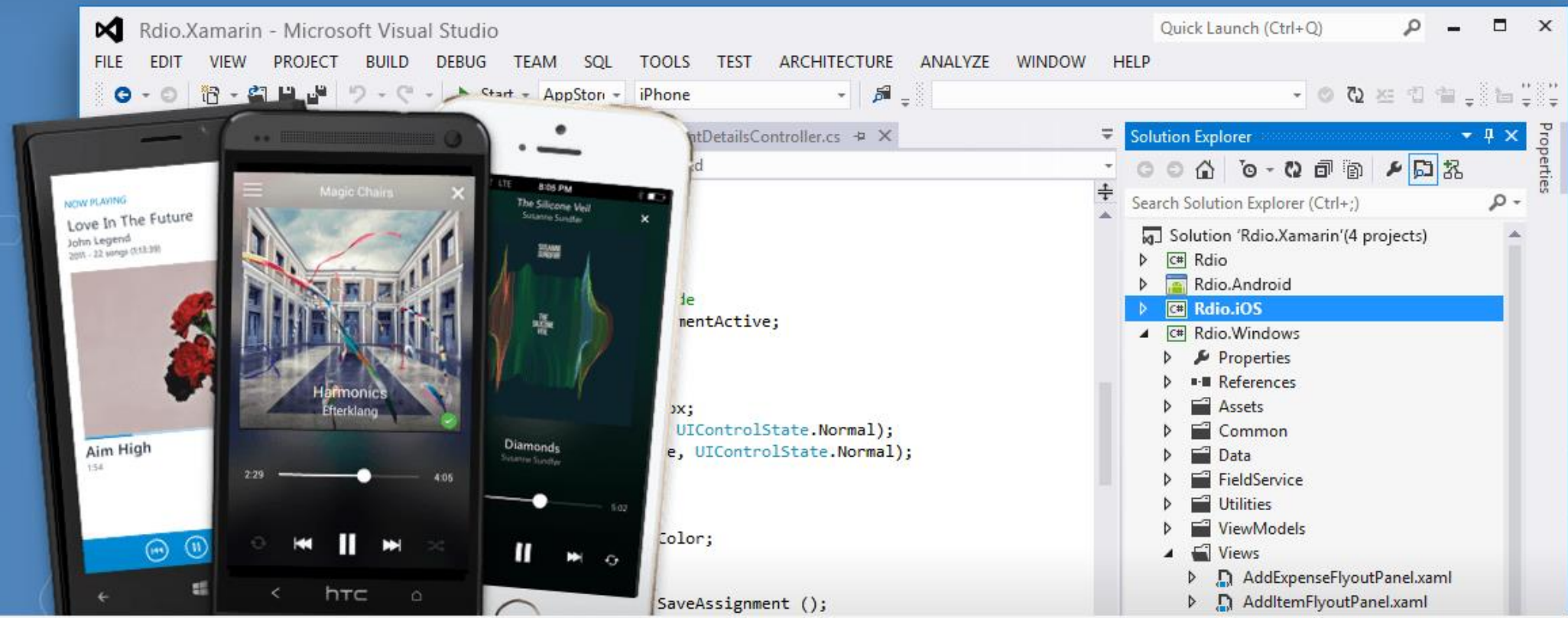
- Client development is completely different for each device type
- Only the Services (server-side) can be re-used, with certain differences when consuming them
- TCO grows exponentially



Create Native iOS, Android, Mac and Windows apps in C#.

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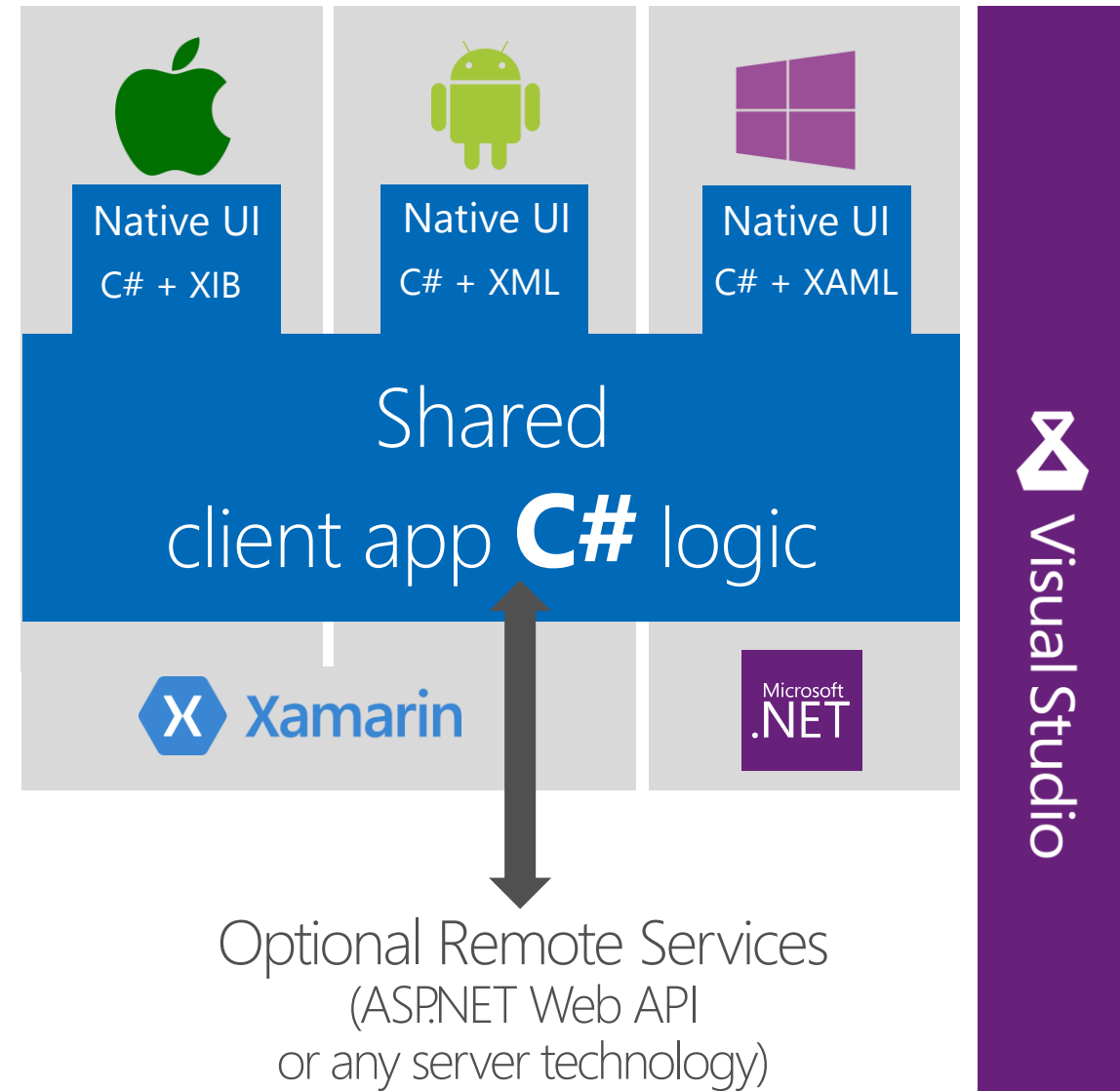
C# unique approach
powered by Xamarin and Microsoft .NET

Fully native apps **written
entirely in C#**

Xamarin exposes 100% of
iOS and Android APIs in C#

Mobilize existing code, skills,
and tools including Visual Studio

Share app logic code across
device platforms



One Language, One Framework

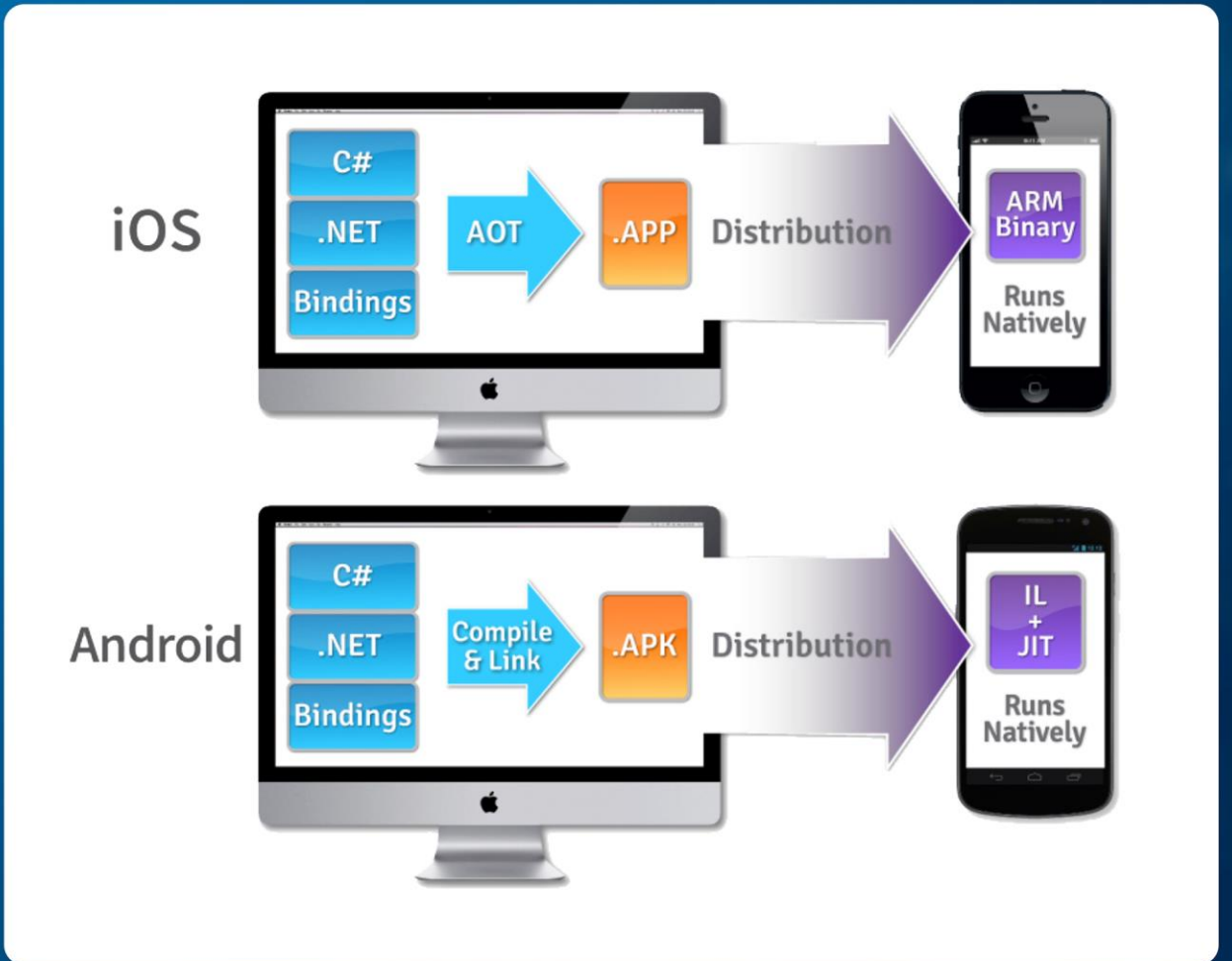
- Generics
- LINQ
- Lambdas
- Async / Task Parallel Libraries

- Type safety
- Garbage Collection

The image shows the C# logo, consisting of a large blue 'C' followed by a blue hash symbol '#', centered within a white rounded square on a dark blue background.

Designed for Performance

- Apps compiled to native code
- Optimizing compiler / linker
- Supports all platform APIs
- Uses native UI controls





Hands on Lab

UI design in Visual Studio

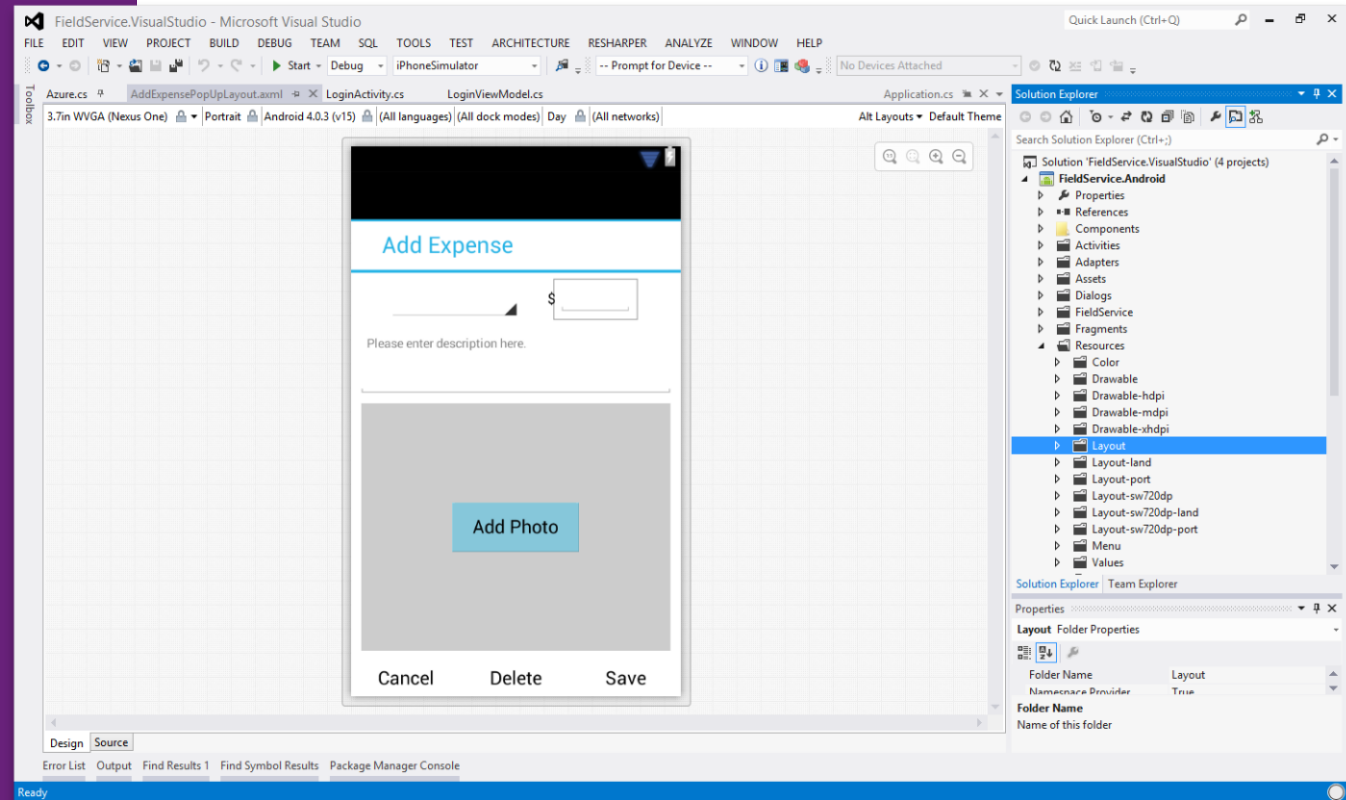
Create UI with drag and drop simplicity

Target multiple screen sizes, resolutions, and OS versions

Layouts saved in native resource formats

Worlds best Android designer available in Visual Studio

iOS coming soon



Xamarin University

Go Mobile program

Live online training from Xamarin experts

Lectures and labs

Two coaching sessions where you meet one on one with expert Xamarin mobile developers

What you'll learn

iOS and Android fundamentals

Mobile app lifecycle

Native UI and controls

Cross-platform architecture

Mobile best practices

Secure backend integration

Go Mobile with Xamarin University

Learn to build native iOS, Android, and Windows apps with C# in just 30 days.



- Live Online Classes
- Expert One-on-Ones
- Tutorials, Labs, and More
- Community
- Certification

Xamarin global support

For small business and individuals

Email support

Xamarin-managed forums

Available to all

The Xamarin developer center

- 150+ guides and tutorials

- 250+ sample apps

- Release notes, videos, and much more

Evolve 2013 videos

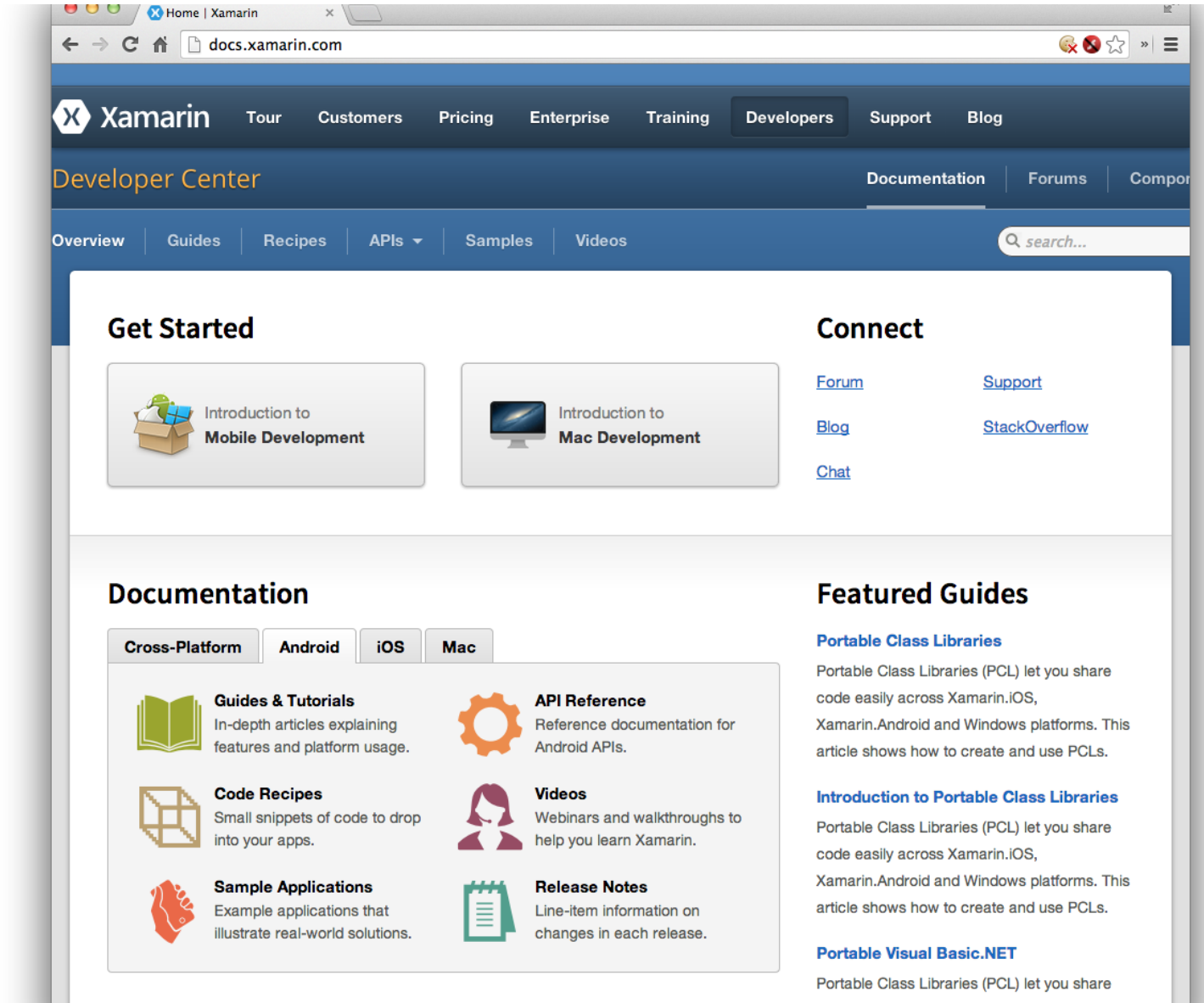
- 50 sessions covering enterprise mobility and cross-platform best practices



Additional Resources

docs.xamarin.com

- Getting Started guide
- Do the lab on your own



The screenshot displays the Xamarin Developer Center website. The top navigation bar includes links for Tour, Customers, Pricing, Enterprise, Training, Developers (highlighted), Support, and Blog. Below this is the 'Developer Center' header with sub-links for Documentation, Forums, and Components. A secondary navigation bar lists Overview, Guides, Recipes, APIs (with a dropdown arrow), Samples, and Videos, along with a search bar. The main content area is divided into several sections:

- Get Started:** Contains two cards: 'Introduction to Mobile Development' (with a box icon) and 'Introduction to Mac Development' (with a monitor icon).
- Connect:** Lists links for Forum, Support, Blog, StackOverflow, and Chat.
- Documentation:** Features a tabbed interface with 'Cross-Platform' selected. It lists six categories: Guides & Tutorials, Code Recipes, Sample Applications, API Reference, Videos, and Release Notes, each with a brief description.
- Featured Guides:** Promotes 'Portable Class Libraries' with a detailed description and a link to an 'Introduction to Portable Class Libraries' article.

MSDN subscriber offers

Extended trial

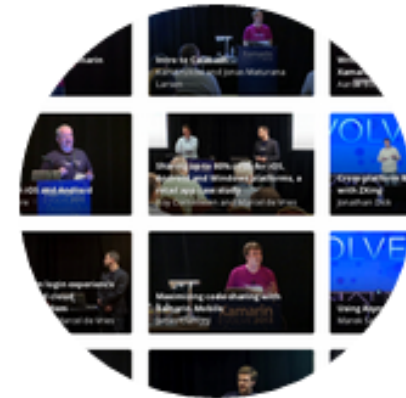


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Videos, documentation and samples from Xamarin available only to MSDN subscribers



THANK YOU

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