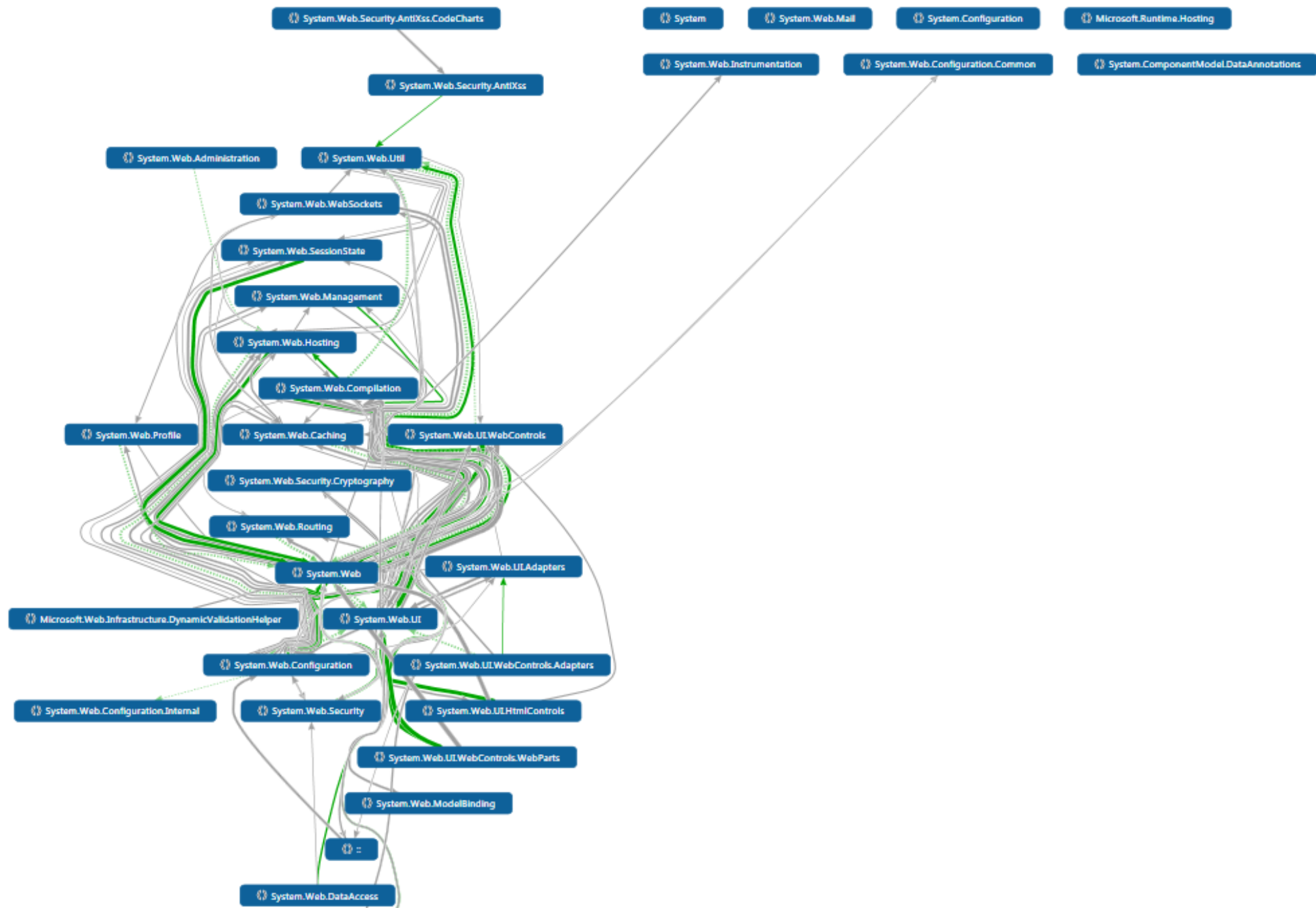


System.Web.dll



IT T@lk Kraków IX 2016

dotNET Core
Bartłomiej Czudek
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Sessions

80 mins



Break

30 mins



LAB

30 mins



Party

.NET today - challenges

Platforms

- Need to align with different ship cycles
- Machine Wide Frameworks
- Huge requirements

Developers

- Different API's and implementations on each platform
- Need to target a small common denominator to reuse code - PCL

.NET tomorrow - advantages

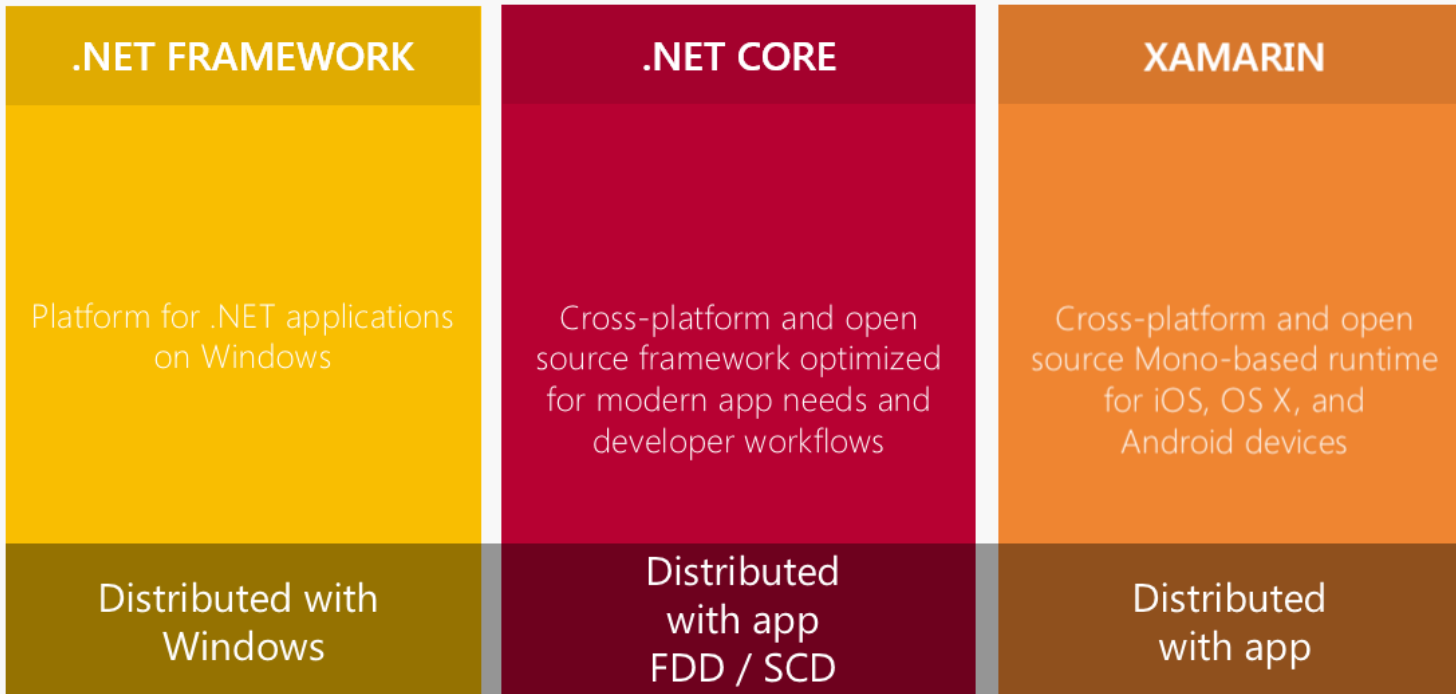
dotNET Core

- Open Source
- Supported by Microsoft
- Flexible / Modular
- Cross Platform
- Well-known languages – C#/F#/VB.NET

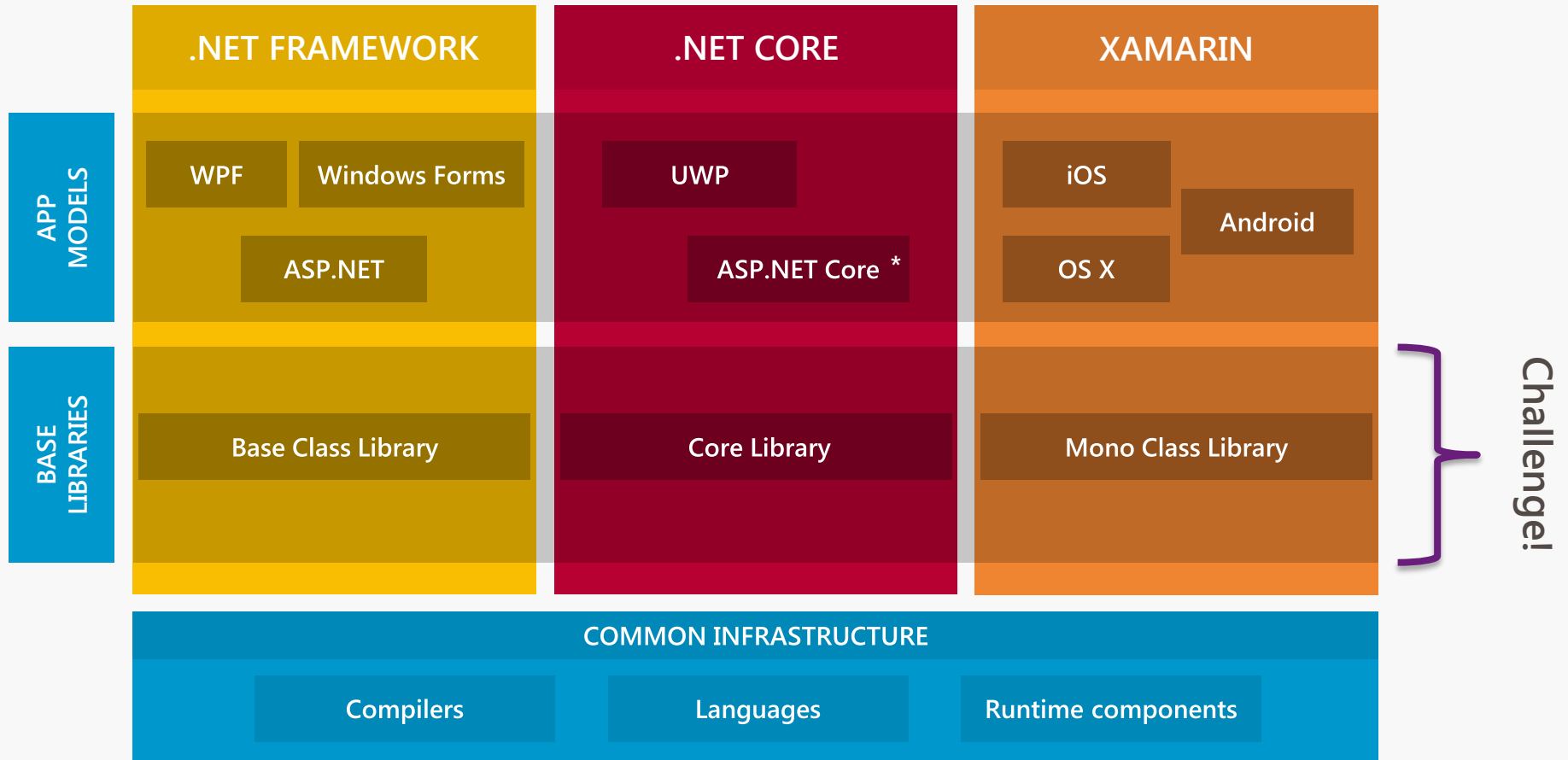
.NET Standard

- Same API's available on all platforms
- Master one library not a platform

.NET today—the family gets bigger

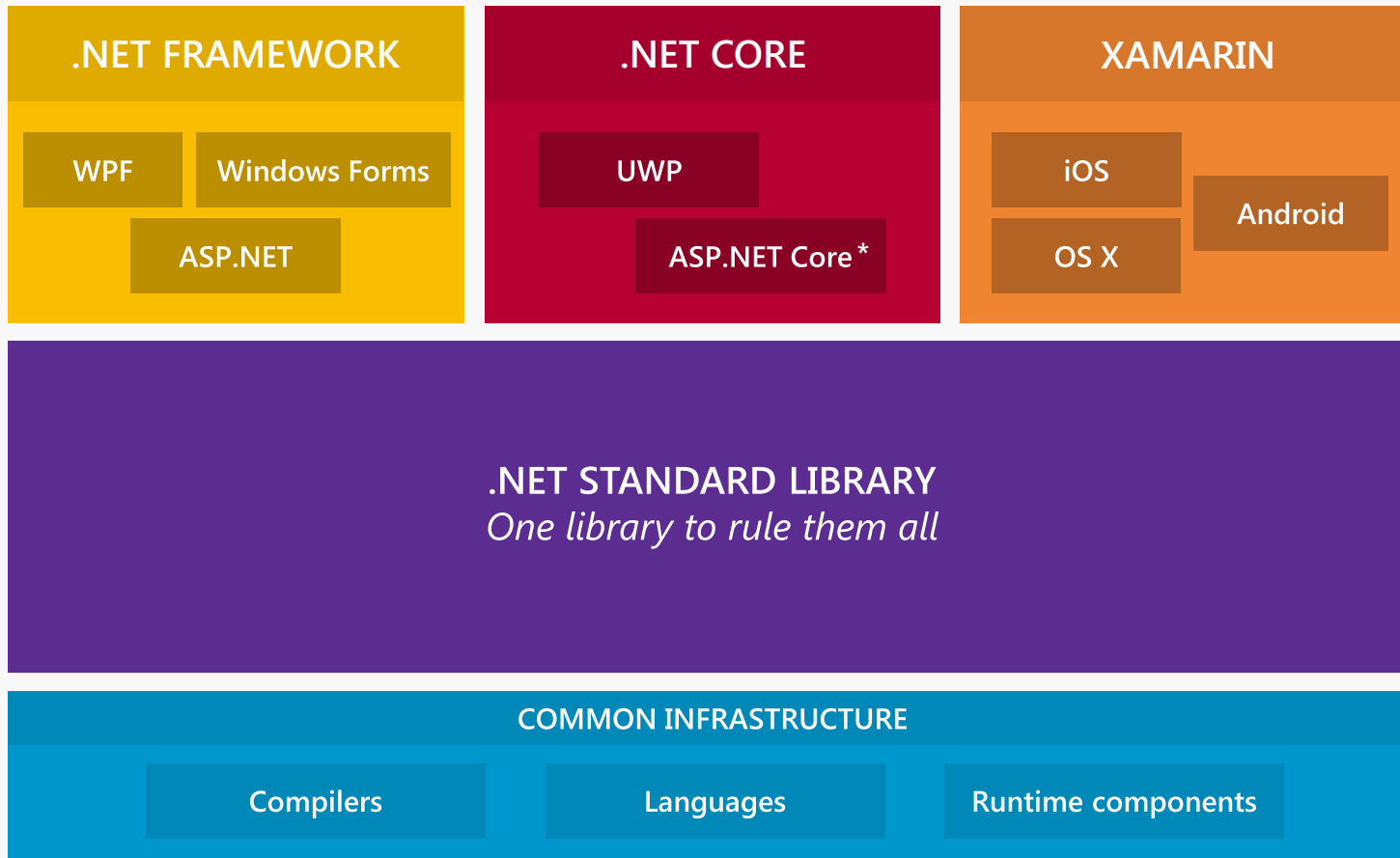


.NET today—app models and libraries



.NET tomorrow

Any Developer, Any App, Any Platform



netstandard - concept



Platform Name	Alias	1.0	1.1	1.2	1.3	1.4	1.5	1.6
.NET Core	netcoreapp	→	→	→	→	→	→	1.0
.NET Framework	net	→	4.5	4.5.1	4.6	4.6.1	4.6.2	vNext
Xamarin.iOS		→	→	→	→	→	→	*
Xamarin.Android		→	→	→	→	→	→	*
Universal Windows Platform	uap	→	→	→	→	10.0		
Windows	win	→	8.0	8.1				
Windows Phone	wpa	→	→	8.1				
Windows Phone Silverlight	wp	8.0						

netstandard 2.0

XML

Xlinq | XML Document | Xpath | XSD | XSL

Serialization

BinaryFormatter | Data Contract | XML

Networking

Sockets | Http | Mail | WebSockets

IO

Files | Compression | MMF

Threading

Threads | Thread Pool | Tasks

Core

Primitives | Collections | Reflection | Interop | Linq

Let's try dotNET Core!

#helloworld



There are soooo many .NET...s - Glossary

- **.NET Standard** is a set of APIs that all .NET platforms have to implement. This unifies the .NET platforms and prevents future fragmentation.
- **.NET Core** is a general purpose development platform maintained by Microsoft and the .NET community on [GitHub](#). It is cross-platform, supporting Windows, macOS and Linux, and can be used in device, cloud, and embedded/IoT scenarios.

Microsoft dotNET Core Return Of Investment



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Image credits

- http://dotneteers.net/cfs-filesystemfile.ashx/_key/CommunityServer.Blogs.Components.WeblogFiles/vbandi/image_5F00_054_34DA5.png
- //Build 2016 B891.pptx Hunter / Hanselman
- <https://images7.alphacoders.com/320/320439.jpg>
- <http://www.digitaltrends.com/computing/microsoft-builds-two-u-k-data-centers-to-keep-data-within-europe/>
- <https://www.ageofascent.com/>

Wrap up

<https://www.ageofascent.com/>

