

AN OPERATOR NAMED “ELVIS”

or:

A Lap around .NET 2015 and C# 6

Christian Nagel – www.cninnovation.com

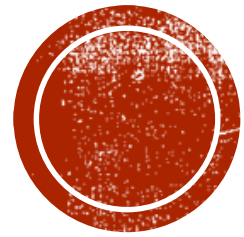
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C# AND .NET THROUGH THE CENTURIES

.NET	CLR	C#	Visual Studio
1.0	1.0	1.0	2002
1.1	1.1	1.1	2003
2.0	2.0	2.0	2005
3.0	3.0	3.0	2005
3.5	3.5	3.5	2007
4.0	4.0	4.0	2010
4.5	4.5	4.5	2012
4.5.1	4.5.1	4.5.1	2013
4.6	4.0	6.0	2015
5 Core	CoreCLR	6.0	2015



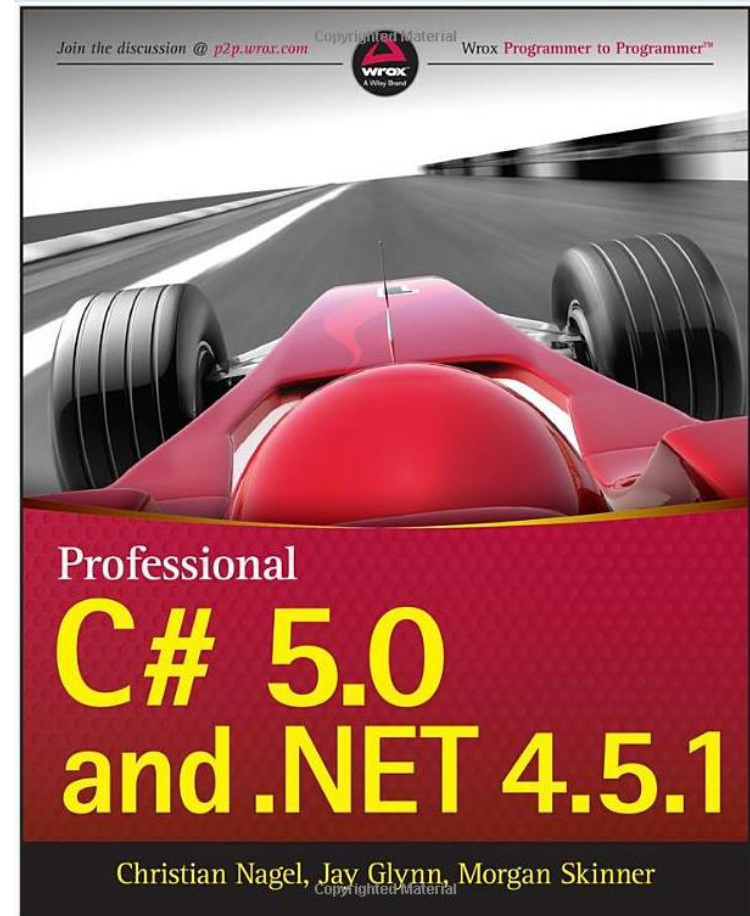


THE NEW „HELLO, WORLD!“

“Hello, World!“ changed!

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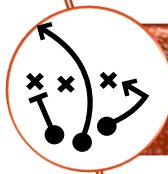

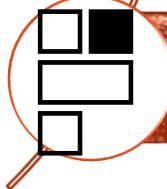
AGENDA

C# 6

.NET 2015



HEARING

-  „We are required to innovate and deliver much faster“
-  „I need a cross-device development strategy“
-  „Open source enriches the platform and the community“
-  „...but I have existing applications to run and evolve“



ISSUES

- With the example ADO.NET Entity Framework

EF	.NET	Features	Issues
1.0	3.5 UPD1	CSDL, MSL, SSDL	.vs. LINQ to SQL
4.0	4.0	Easier, POCO, DDL...	Release cycles
4.1		Code First	New features via NuGet
4.2		Bug Fixes	
4.3		Migrations	
5.0	4.5	Performance, SQL Server enhancements	or 4.4?
6.0		All NuGet	ASP.NET Web Forms Compat
7.0	NET 5 Core	NoSQL, Clients	Complete Rewrite, Compat



A MODERN LANGUAGE

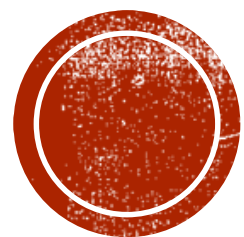
C# can adapt

No big features with 6

Thanks to Roslyn

Many small helpful things





REDUCE

your code...

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WHAT YOU'VE SEEN (C# 6)

Auto Property Initializers

Getter-Only Auto Properties

Nameof Expressions

Expression Bodied Members

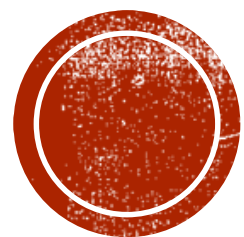
Await in Catch

Exception Filters

String Interpolation

Null Conditional Operator (Elvis Operator)





BUILD

dnvm, dnu, dnx

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WHAT YOU'VE SEEN (DNX)

DNVM

- .NET Version Manager
- `dnvm upgrade`
- `dnvm list`
- `dnvm use`

DNU

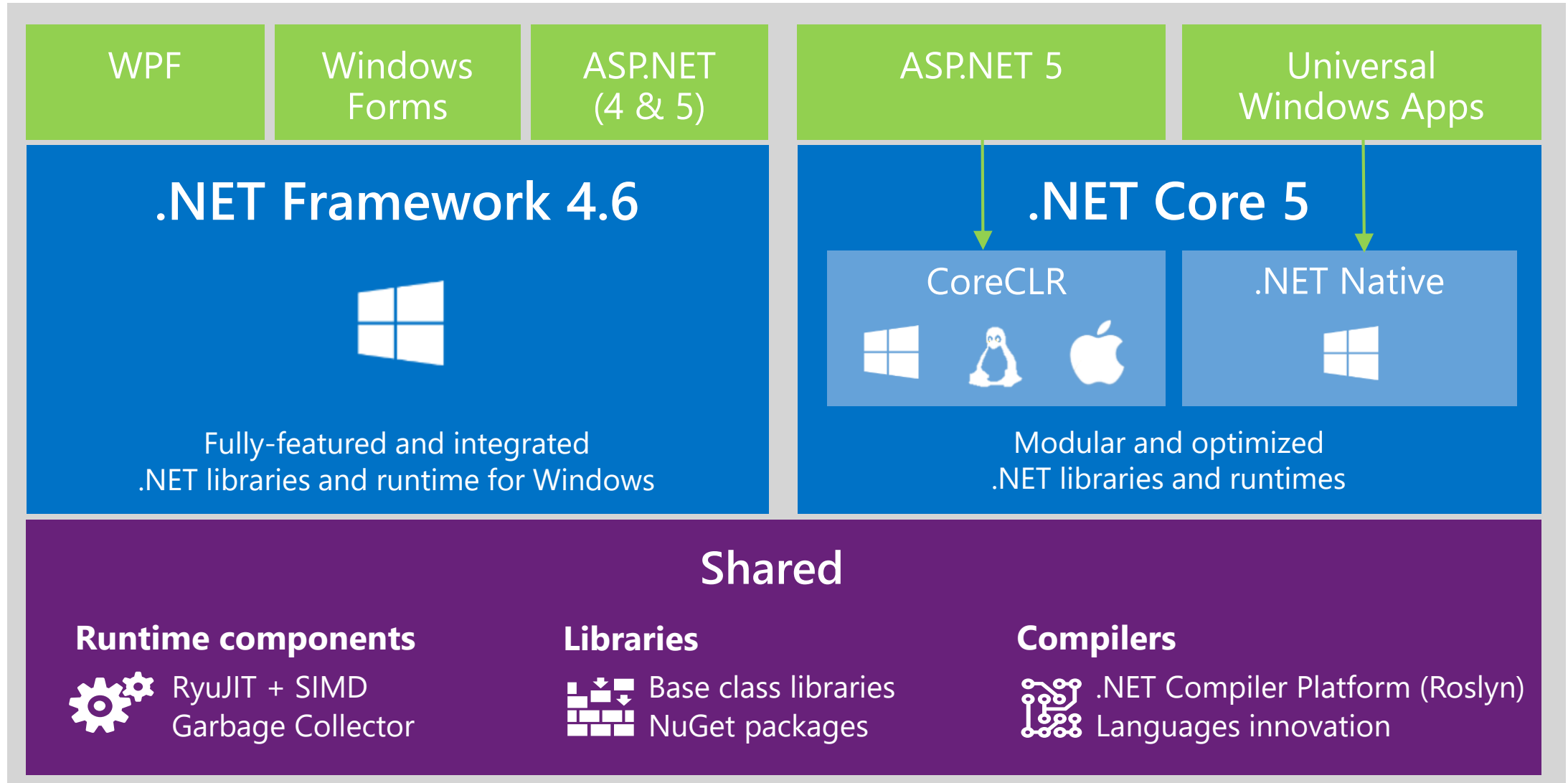
- .NET Development Utility
- `dnu restore`
- `dnu build`
- `dnu pack`

DNX

- .NET Execution Environment
- `dnx . run`



SOLVE: .NET 2015



SUMMARY

- C# 6 – Many Small Improvements
- .NET Core
- Open Source
- Multi-Platform
- Smaller Units
- Faster Innovation



MORE INFORMATION

- Professional C# 6
- Take off to .NET 2015
 - Offener Kurs mit Termingarantie: 20.-22. Juli 2015
 - Firmenkurs
- Windows Apps
- ASP.NET 5, .NET Core
 - docs.asp.net
- Github
 - www.github.com/dotnet



THANKS!

- Questions?

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