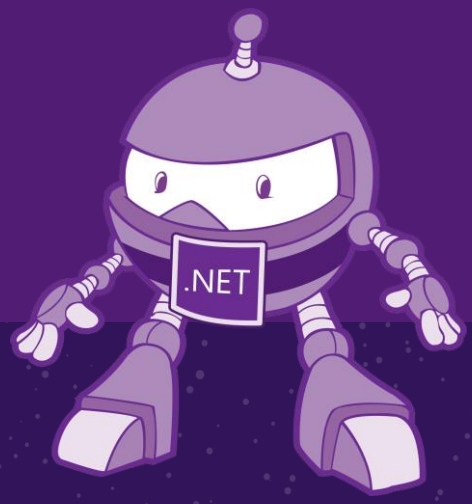
.NET

Improve code quality with C# 8.0



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Agenda

1. General overview
2. Major features
3. Minor features
4. Resources
5. Q&A

General overview

Target framework	version	C# language version default
.NET Core	3.x	C# 8.0
.NET Core	2.x	C# 7.3
.NET Standard	2.1	C# 8.0
.NET Standard	2.0	C# 7.3
.NET Standard	1.x	C# 7.3
.NET Framework	all	C# 7.3

Major features:

1. Nullable reference types
2. Default interface methods
3. Pattern matching enhancements:
4. Async enumerables
5. Indices and ranges

Minor features:

6. Using declarations
7. Static local functions
8. Readonly members
9. Null-coalescing assignment
10. Unmanaged constructed types
11. stackalloc in nested expressions
12. Disposable ref structs
13. Enhancement of interpolated verbatim strings

Things to check out

To see:

https://www.youtube.com/watch?v=TJiLhRPgyq4&list=PLReL099Y5nRd04p81Q7p5TtyjCrj9tz1t&index=3
https://www.youtube.com/watch?v=fhf8N4004u0&list=PLReL099Y5nRd04p81Q7p5TtyjCrj9tz1t&index=4
https://www.youtube.com/watch?v=wTvisUbU9FU
https://www.youtube.com/watch?v=ys2SrUel1aY
https://www.youtube.com/watch?v=qqrzEC1Eov4
https://www.youtube.com/watch?v=vSwP-jk73F4

To read:

https://docs.microsoft.com/en-us/dotnet/csharp/whats-new/csharp-8
https://docs.microsoft.com/en-us/dotnet/csharp/language-reference/configure-language-version

Thank you!

bit.ly/c-sharp-eight

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