

nietras © 2024 v0.4										
.NET - Any Platform	9.0 2024	ARM SVE (128-bit)			CoreCLR	C# 13.0 2024	params collections, New lock type and semantics, New escape sequence - \e, Method group natural type improvements, Implicit indexer access in object initializers, Enable ref locals and unsafe contexts in iterators and async methods, Enable ref struct types to implement interfaces, Allow ref struct types as arguments for type parameters in generics, Partial properties and indexers are now allowed in partial types, Overload resolution priority			
			GC DATAS Default			C# 12.0 2023	Primary constructors, Collection expressions, Inline arrays, Optional parameters in lambda expressions, ref readonly parameters, Alias any type, Experimental attribute, Interceptors			
	8.0 2023	Vector512 AVX-512	TimeProvider ITimer	FrozenDictionary FrozenSet		C# 11.0 2022	File-scoped types, Generic math support, Auto-default structs, Pattern match Span<char> on a constant string, Extended nameof scope, Numeric IntPtr, UTF-8 string literals, Required members, ref fields and scoped ref, Raw string literals, Improved method group conversion to delegate, Warning wave 7, Generic attributes, Newlines in string interpolation expressions, List patterns			
		IUtf8SpanFormattable IUtf8SpanParsable	Simplified output paths	Codegen struct promotion		C# 10.0 2021	Record structs, Improvements of structure types, Interpolated string handlers, global using directives, File-scoped namespace declaration, Extended property patterns, Improvements on lambda expressions, Allow const interpolated strings, Record types can seal ToString(), Improved definite assignment, Allow both assignment and declaration in the same deconstruction, Allow AsyncMethodBuilder attribute on methods, CallerArgumentExpression attribute, Enhanced #line pragma			
	7.0 2022	Generic Math		Cross-Platform Vector64/128/256		C# 9.0 2020	Records, Init only setters, Top-level statements, Native sized integers, Function pointers, Suppress emitting localsinit flag, Target-typed new expressions, static anonymous functions, Target-typed conditional expressions, Covariant return types, Extension GetEnumerator support for foreach loops, Lambda discard parameters, Attributes on local functions, Support for code generators, Module initializers, New features for partial methods			
		On Stack Replacement		Native AOT						
.NET Core - Cross-platform	6.0 2021	Improved FileStream		Crossgen2 (AOT)	CoreCLR					
		Dynamic PGO		Hot reload						
	5.0 2020	Single file apps		App trimming						
		Unified platform		ARM64 for Windows						
		Readonly members, Default interface methods, Switch expressions, Property patterns, Tuple patterns, Positional patterns, Using declarations, Static local functions, Disposable ref structs, Nullable reference types, Asynchronous streams, Indices and ranges, Null-coalescing assignment, Unmanaged constructed types, Stackalloc in nested expressions, Enhancement of interpolated verbatim strings				C# 8.0 2019	3.1 2019	Support for C++/CLI	Windows Forms Controls Removal	
		Reassign ref local variables, Initializers on stackalloc arrays, Access fixed fields without pinning, unmanaged generic type constraints				C# 7.3 2018	3.0 2019	Windows Desktop apps (WinForms, WPF)	Hardware intrinsics	Range Index
.NET Framework - Windows		Declare readonly struct types, Add the in modifier on parameters, Use the ref readonly modifier on method returns, Declare ref struct types, Use additional generic constraints, Non-trailing named arguments, Named arguments can be followed by positional arguments, Leading underscores in numeric literals, private protected access modifier, Conditional ref expressions, Result of a conditional expression (?) can be a reference				C# 7.2 2017	2.2 2018	Runtime diagnostics improvements		ARM32 for Windows
		async Main method, default literal expressions, Inferred tuple element names, Pattern matching on generic type parameters,				C# 7.1 2017	2.1 2018	Span<T>	Tiered JIT	SocketsHttpHandler
		RyuJIT from .NET Core 2.1		ZLib 1.2.11	ARM64	4.8 2019	2.0 2017	RyuJIT x86	ARM32	.NET Standard 2.0
		Improved High DPI		ASP.NET Object Cache		4.7 2017	1.1 2016	Kestrel Web Server	Azure support	>Linux distros
		High DPI	HTTP/2	RyuJIT 64-bit		4.6 2015	1.0 2016	Unsafe	ASP.NET Core	Entity Framework Core
		Task-Based Async Model		UWP		4.5 2012				
.NET Framework - Windows	Task Parallel Library		Parallel LINQ		4.0 2010	CLR 4.0	C# 5.0 2012	Asynchronous members		Caller info attributes
	LINQ	Expression Trees	Entity Framework		3.5 2007	CLR 2.0	C# 4.0 2010	Dynamic binding, Named/optional arguments, Generic covariant and contravariant, Embedded interop types		
					C# 3.0 2007		Auto-implemented properties, Anonymous types, Query expressions, Lambda expressions, Expression trees, Extension methods, Implicitly typed local variables, Partial methods, Object and collection initializers			
		WPF	WCF	WF	CardSpace	3.0 2006	C# 2.0 2005	Generics, Partial types, Anonymous methods, Nullable value types, Iterators, Covariance and contravariance, Getter/setter separate accessibility, Method group conversions (delegates), Static classes, Delegate inference		
		Generics		ClickOnce	64-bit	2.0 2005	CLR 1.1	C# 1.2 2003	foreach loop calls Dispose on IEnumerator	
		.NET Compact Framework		IPv6		1.1 2003	CLR 1.0	C# 1.0 2002	Classes, Structs, Interfaces, Events, Properties, Delegates, Operators and expressions, Statements, Attributes	
WinForms		ASP.NET	ADO.NET		1.0 2002					
	Base Class Library									