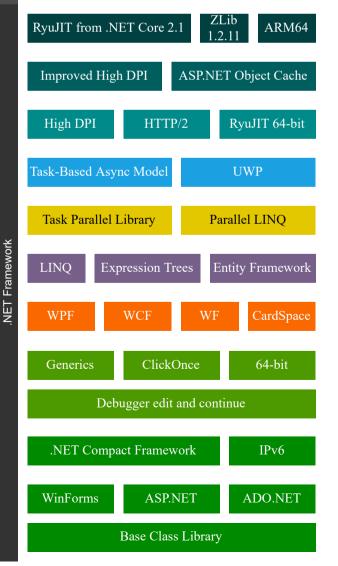
New FileStream Crossgen2 (AOT) Dynamic PGO Hot reload Single file apps App trimming Unified platform ARM64 for Windows

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, Nullcoalescing assignment, Unmanaged constructed types, Stackalloc in nested expressions, Enhancement of interpolated verbatim strings

Reassign ref local variables. Initializers on stackalloc arrays, Access fixed fields without pinning, unmanaged generic type constraints

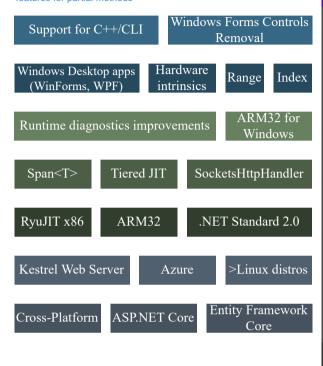
Declare readonly struct types, Add the in modifier on parameters, Use the ref readonly modifier on method returns, Declare ref struct types, Use additional generic constraints, Non-trailing named arguments, Named arguments can be followed by positional arguments, Leading underscores in numeric literals, private protected access modifier, Conditional ref expressions, Result of a conditional expression (?:) can be a reference

async Main method, default literal expressions, Inferred tuple element names, Pattern matching on generic type parameters,



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

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



Out variables, Tuples and deconstruction, Pattern matching, Local functions, Expanded expression bodied members, Ref locals and returns, Discards, Binary Literals and Digit Separators, Throw expressions

Static imports, Exception filters, Auto-property initializers, Expression bodied members, Null propagator, String interpolation, name of operator, Index initializers. Await in catch/finally blocks, Default values for getter-only properties

Asynchronous members Caller info attributes

CoreCLR

**CLR 2.0** 

CLR 1.1

CLR 1.0

Dynamic binding, Named/optional arguments, Generic covariant and contravariant, Embedded interop types

Auto-implemented properties, Anonymous types, Query expressions, Lambda expressions, Expression trees, Extension methods, Implicitly typed local variables, Partial methods, Object and collection initializers

Generics, Partial types, Anonymous methods, Nullable value types, Iterators, Covariance and contravariance, Getter/setter separate accessibility, Method group conversions (delegates), Static classes, Delegate inference

foreach loop calls Dispose on IEnumerator

Classes, Structs, Interfaces, Events, Properties, Delegates, Operators and expressions, Statements, Attributes