

.NET Advanced Roadmap

Generic Types

- Generic Class
- Generic Interface
- Generic Method

Collections

- IEnumerable
- yield
- List
- Dictionary
- HashSet
- Queue
- Stack

Extension Method

Anonymous Method

- Delegate
- Event
- Lambda Expression
- Func/Action

Asynchronous Programming

- Task
- async-await
- Cancellation
- Progress
- PeriodicTimer
- AsyncEnumerable
- Channel
- BackgroundService

Anonymous Type

var

record

Concurrent Collections

- ConcurrentBag
- ConcurrentDictionary
- ConcurrentQueue
- BlockingCollection

Synchronization

- Interlocked
- lock
- Monitor
- Mutex
- Semaphore
- SemaphoreSlim
- AutoResetEvent
- ManualResetEvent
- CountdownEvent
- Barrier

Dynamic Type

- dynamic
- Dynamic Language Runtime (DLR)
- ExpandoObject
- DynamicObject

Reflection

- Metadata
- Attribute
- Get/Set Value
- Activator

Logging

- Serilog
- NLog