

ASP.NET Core Service Lifetime

Singleton

- Only one service instance is created and shared across all requests.
- We need to be aware of concurrency and threading issues

Request 1

Request 2

Instance

Instance

Instance

Scoped

- One service instance is created for each request and reused throughout the request.
- Request is considered as scope.

Request 1

Request 2

Instance

Instance

Instance

Instance

Instance

Instance

Transient

- A new service instance is created every time even if it is the same request.
- It is most common and always the safest option if you are worried about multithreading.

Request 1

Request 2

Instance

Instance

Instance

Instance

Instance

Instance

