

## What is Singleton, Scoped and Transient?

- **Singleton**: **Singleton** means only a single instance will ever be created. That instance is shared between all components that require it. The same instance is thus used always.
- **Scoped**: **Scoped** means an instance is created once per scope. A scope is created on every request to the application, thus any components registered as Scoped will be created once per request.
- **Transient**: The services created using transient lifetime will be created each time they are requested. This lifetime works best for lightweight services

ASP.NET core provides the following 3 methods to register services with the dependency injection container.

- **AddSingleton()**
- **AddScoped()**
- **AddTransient()**

### Basic Difference between AddSingleton vs AddScoped vs AddTransient

ServiceType Class	In the capacity of same HttpRequest	Different Http Request
<b>AddSingleton</b>	The same Instance of repository served	The same Instance of repository served
<b>AddScoped</b>	Same Instance	Different Instance
<b>AddTransient</b>	Every time New Instance	Every time New Instance