

Dependency Injection

What is Dependency Injection?



Benefit - service won't be affected by changes to its dependencies

Dependency inversion

Code should depend on abstraction as opposed to concrete implementation

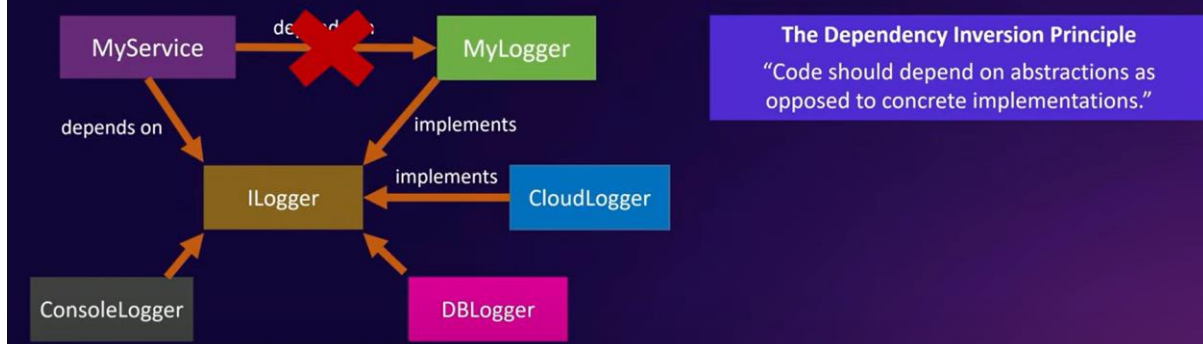
Benefits

easy to test

dependency can be swapped out for different implementation without modifying the service

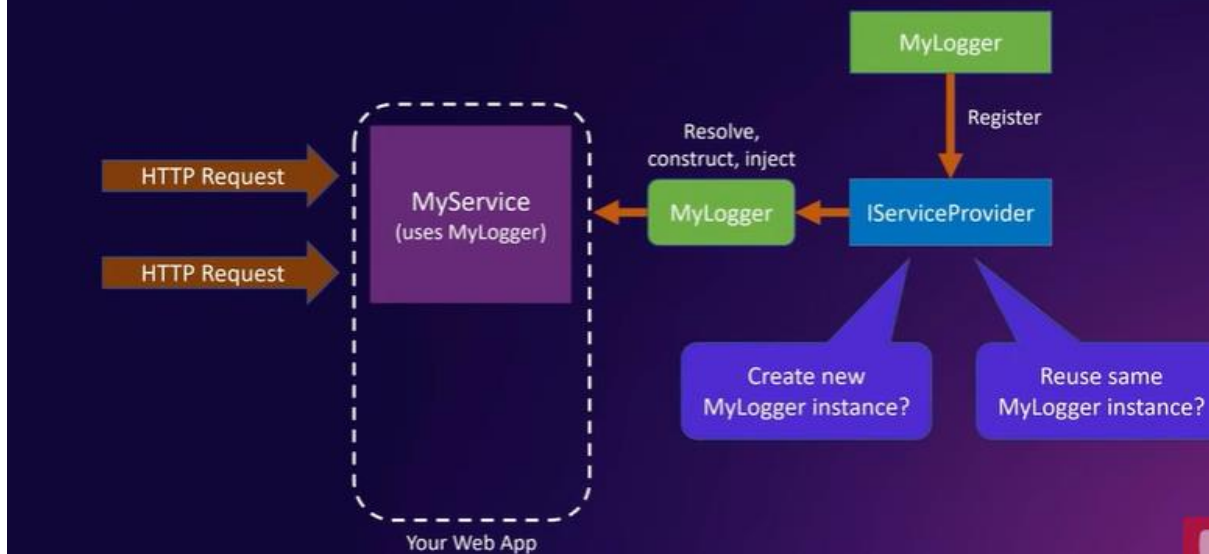
code is cleaner, easier to modify

Using Dependency Inversion



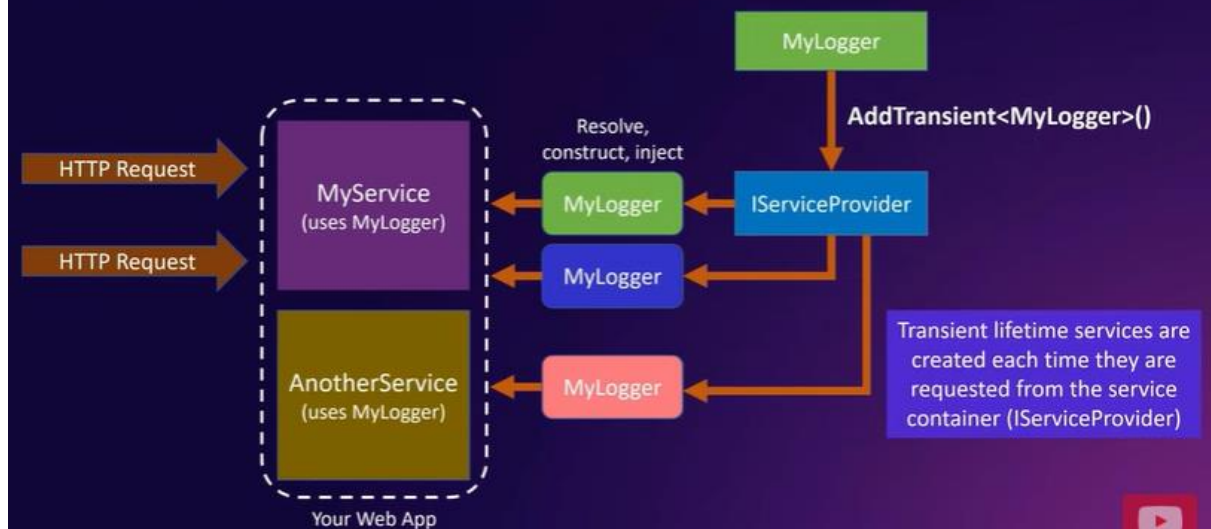
Service Lifetime

When should instances be created?



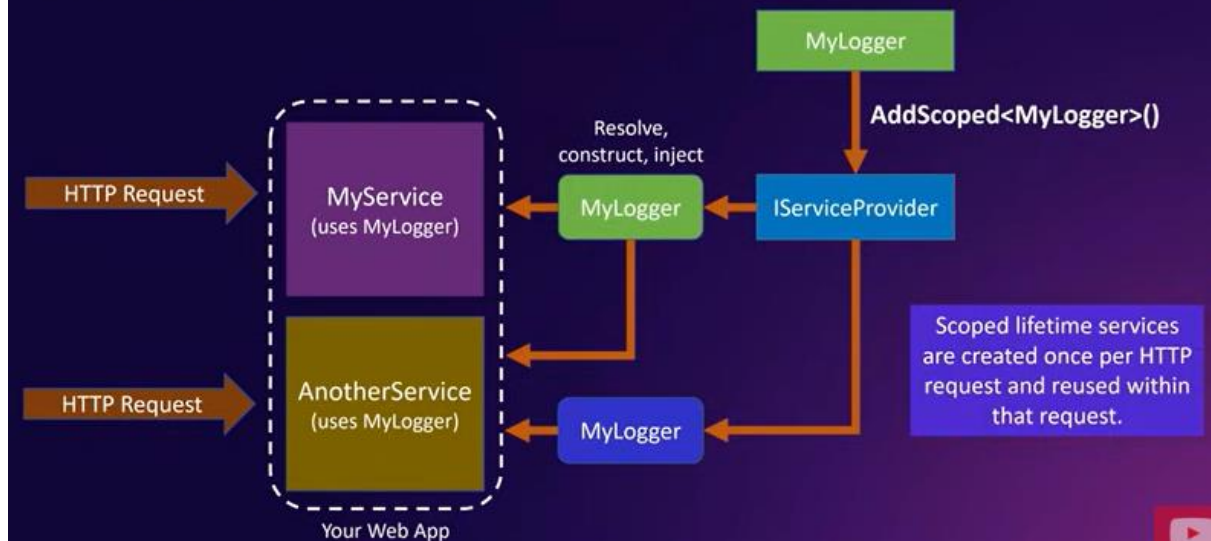
1. Transient – creates instance every request

The Transient Service Lifetime



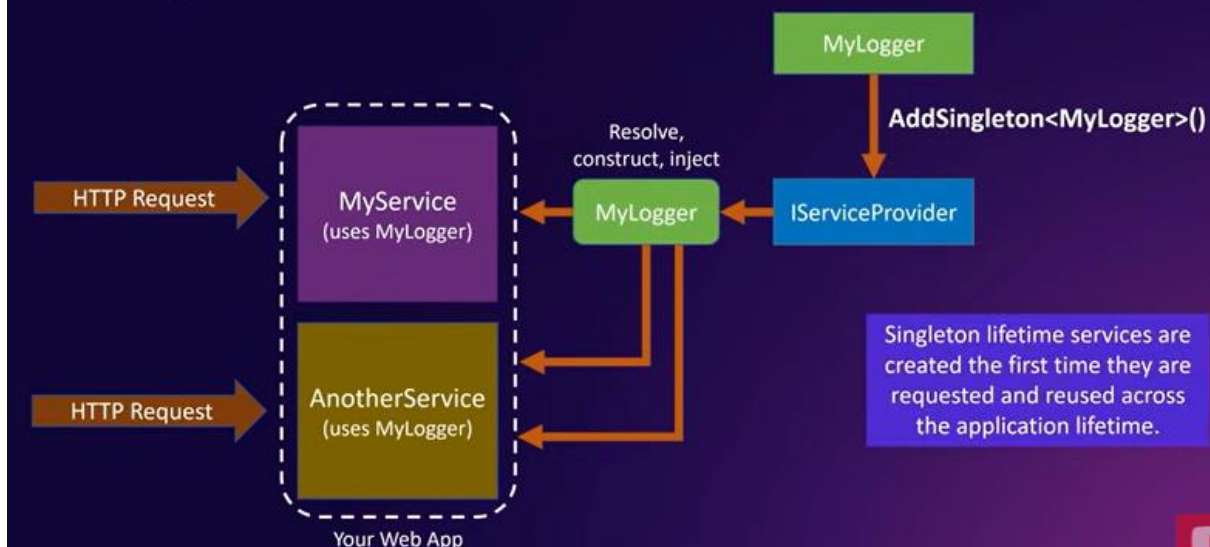
2. Scoped –

The Scoped Service Lifetime



3.Singleton -

The Singleton Service Lifetime



Asynchronous Programming

