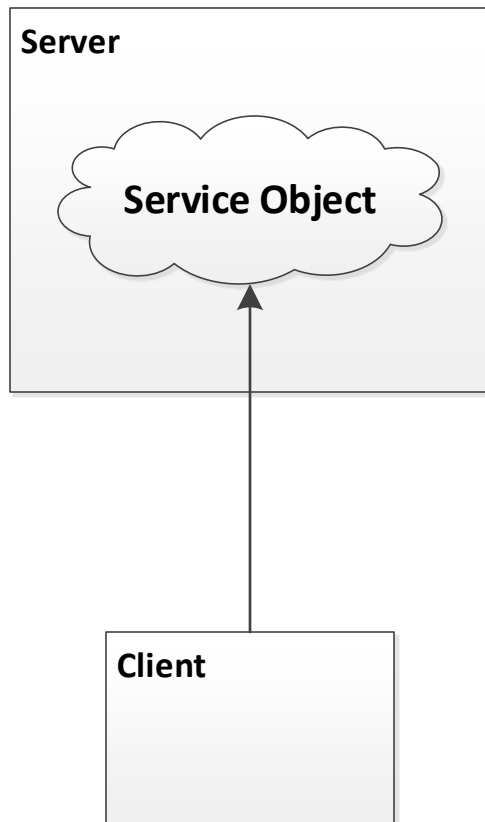


WCF Instancing – Manage Service Object Lifetime



Service Object Lifetimes

The annotations, below, are applied to the service class. See `FileService-SelfHost` for an example.

Per Call

`[ServiceBehavior(InstanceContextMode = InstanceContextMode.PerCall)]`

Service object: one for each client, created for each call, running on dedicated WCF thread.

Per Session

`[ServiceBehavior(InstanceContextMode = InstanceContextMode.PerSession)]`

Service object: one for each client, leased lifetime, renewed with each call, running on dedicated WCF Thread.

Singleton

`[ServiceBehavior(InstanceContextMode = InstanceContextMode.Single)]`

Service object: one shared by all clients, leased lifetime, renewed with each call, accessed by WCF threads, one for each client. So the object must be thread-safe.