

Registering Other Components



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Overview



Component Lifetime

Assembly Scanning

Autofac Modules

Configuration



Component Lifetime

Transient

- Component lifetime is equated to that of its parent

Singleton

- Component lifetime is equated to lifetime of container
- Instantiated once and same instance reused on subsequent resolves

Scoped

- Component lifetime is not equated to anything and handled through manual means



Registration Techniques

Procedural

- One component registered at a time
- What you've seen so far

```
RegisterType<T>().As<U>()
```

Assembly

- Assemblies are scanned for multiple registrations
- Lambda expressions used

```
RegisterControllers()  
RegisterApiControllers()
```

Modules

- Component registrations offloaded to separate class
- Can be logically grouped together

Configuration

- Component registrations listed declaratively in config
- Can be XML or JSON
- Can be individual or module-based



Demo



Component lifetime managing
Various registration techniques



Summary



Component Lifetime

- Transient
- Singleton
- Scoped

Registration Parameters

Assembly Scanning w/Lambdas

Registration Modules

Configuration