

Spring Scopes and Autowiring



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Scopes

Scope != Pattern

Spring uses them

**Course:
Design Patterns
in Java**

Scopes

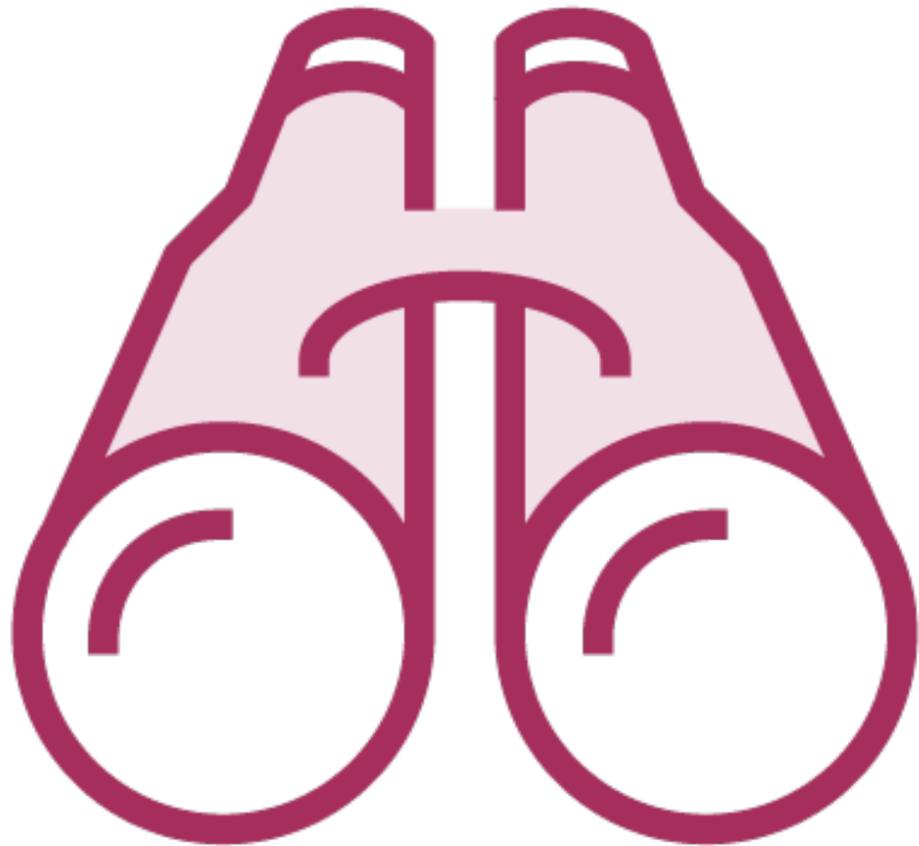
5 scopes

Valid in any configuration

- Singleton
- Prototype

Valid only in web-aware Spring projects

- Request
- Session
- Global



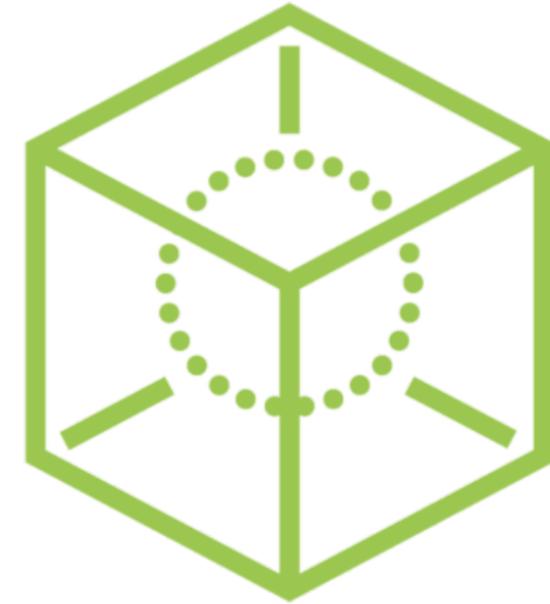
Singleton



One instantiation



Default bean scope



**Single instance per
Spring container**

```
@Service("customerService")
@Scope("singleton")
public class CustomerServiceImpl implements
CustomerService {
```

Singleton - Java Config

@Scope

Requires AOP jar

Prototype

Per request

Guaranteed unique

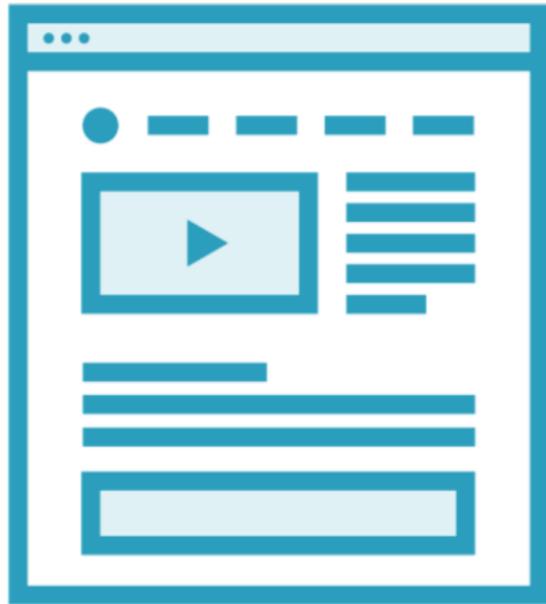
**Opposite of
Singleton**

```
@Service("customerService")
@Scope("prototype")
public class CustomerServiceImpl implements
CustomerService {
```

Prototype - Java Config

@Scope

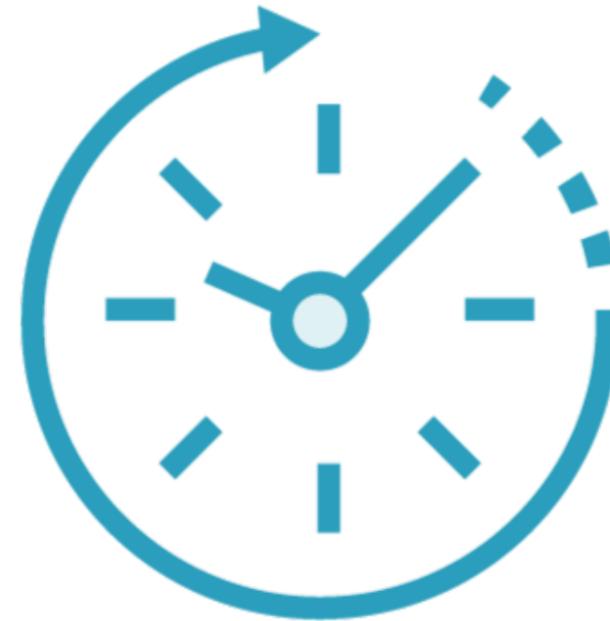
Web Scopes



**Introduction
to Spring
MVC course**



Request



Session



GlobalSession

Autowired

```
@ComponentScan( {"  
com.pluralsight" })
```

```
@Bean
```

By Name
Instance Type

Stereotypes

@Component

@Repository

@Service

Summary

Scopes

- Singleton
- Prototype

Web scopes

- Request
- Session
- GlobalSession

Autowiring