

Spring Configuration Using XML



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Why Use XML?

First approach

Simpler

Separation of
concerns

applicationContext.xml



Name doesn't matter
Spring context HashMap
Simple Registry
XML Configuration begins here

Namespaces

```
<beans xmlns="http://www.springframework.org/schema/beans"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="http://www.springframework.org/schema/
beans http://www.springframework.org/schema/beans/spring-
beans.xsd">
```

XML Declaration

```
<bean  
    name="customerService"  
    class="com.pluralsight.service.CustomerServiceImpl"  
    autowire="byName">  
    <property name="0"  
        ref="customerRepository" />  
</bean>
```

```
<bean name="customerRepository" class="com.pluralsight.repository.HibernateCustomerRepositoryImpl"/>
```

Beans

Essentially classes

Replace keyword new

Define class, use interface

Setter Injection

Setter Injection

Constructor Injection

Used together

Better for existing code

Constructor Injection



Guaranteed contract
Constructor defined
Used together
Index-based

Autowire

Spring
automatically
wires bean

byType

byName

constructor

no

Summary

applicationContext.xml

Bean definition

Setter injection

Constructor injection

Autowiring