

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 sort of a HashMap

Can simply be a registry

XML configuration begins with this file

Namespaces aid in configuration/validation

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=""
        ref="customerRepository" />

</bean>
```

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

Beans

Essentially classes

Replaces 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 beans

byType

byName

constructor

no

Summary

applicationContext.xml

Bean definition

Setter injection

Constructor injection

Autowiring