

# Spring Configuration Using XML

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**Bryan Hansen**

DIRECTOR OF SOFTWARE DEVELOPMENT

@bh5k

# 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**