

Spring Configuration Using Java



Bryan Hansen

Director of Software Development

@bh5k



No applicationContext.xml

Too much XML

Namespaces helped

Java Configuration

Everything available

```
@Configuration
public class AppConfig {
    @Bean(name = "customerRepository")
    public CustomerRepository getCustomerRepository() {
        return new HibernateCustomerRepositoryImpl();
    }
}
```

@Configuration

applicationContext.xml replaced by @Configuration

@Configuration at class level

Spring Beans defined by @Bean

@Bean at method level

```
@Bean(name="customerService")
public CustomerService getCustomerService() {
    CustomerServiceImpl customerService = new CustomerServiceImpl();
    customerService.setCustomerRepository(getCustomerRepository());
    return customerService;
}

@Bean(name = "customerRepository")
public CustomerRepository getCustomerRepository() {
    return new HibernateCustomerRepositoryImpl();
}
```

Setter Injection

Simple as a method call

“Mystery” of injection goes away

Simply calling a setter

```
@Bean(name="customerService")
public CustomerService getCustomerService() {
    CustomerServiceImpl customerService =
        new CustomerServiceImpl(getCustomerRepository());
    return customerService;
}

@Bean(name = "customerRepository")
public CustomerRepository getCustomerRepository() {
    return new HibernateCustomerRepositoryImpl();
}
```

Constructor Injection

Just like setter injection

Becoming the preferred way

Summary

AppConfig

@Configuration

@Bean

Setter and Constructor Injection