Internal Working

Creating a object for Application context

```java
public class User {

    public static void main(String[] args) {

        FileSystemXmlApplicationContext context =
                new FileSystemXmlApplicationContext("Beans.xml");
        Insurance status = context.getBean("myInsurance", Insurance.class);
        System.out.println(status.showStatus());
        context.close();
    }
}
```

Creating a object for Application context

myInsurance

```java
public class User {

    public static void main(String[] args) {

        FileSystemXmlApplicationContext context =
                new FileSystemXmlApplicationContext("Beans.xml");
        Insurance status = context.getBean("myInsurance", Insurance.class);
        System.out.println(status.showStatus());
        context.close();
    }
}
```

What's Inside Beans.xml

```xml
<beans xmlns="http://www.springframework.org/schema/beans"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:context="http://www.springframework.org/schema/context"
xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans-2.5.xsd
http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context-2.5.xsd">

    <context:component-scan base-package="org.studyeasy.spring" />

</beans>
```

What's Inside Beans.xml

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    <context:component-scan base-package="org.studyeasy.spring" />

</beans>
```

What's inside the package

- src
  - org.studyeasy.spring
    - BikeInsurance.java
    - Insurance.java
    - Offers.java
    - User.java

Let's scan classes and interfaces for component annotation

```java
public class User {

    public static void main(String[] args) {

        FileSystemXmlApplicationContext context =
                new FileSystemXmlApplicationContext("Beans.xml");
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        System.out.println(status.showStatus());
        context.close();
    }
}
```

Let's scan classes and interfaces for component annotation

```java
package org.studyeasy.spring;

public interface Insurance {
    String showStatus();
}
```

Let's scan classes and interfaces for component annotation

```java
package org.studyeasy.spring;

import org.springframework.stereotype.Component;

@Component("offer")
public class Offers {
    public String getOffer(){
        return "Get 10% off on your next purchase";
    }
}
```

Let's scan classes and interfaces for component annotation

```java
package org.studyeasy.spring;

import org.springframework.beans.factory.annotation.Autowired;

@Component("myInsurance")
public class BikeInsurance implements Insurance {

    @Autowired
     public BikeInsurance(Offers offer) {

            System.out.println(offer.getOffer());
        }
    @Override
    public String showStatus() {

        return "Your Bike is Insured";
    }
}
```

Finally Spring gives the object

```java
public class User {

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        System.out.println(status.showStatus());
        context.close();
    }
}
```

Thanks for watching