# Spring Core – Load Country from Spring Configuration XML

Objective:

To create a basic Spring application that loads a Country object from an XML configuration file using Spring’s Dependency Injection mechanism.

## 1. Prerequisites

- JDK 8 or above  
- Spring Core (spring-context, spring-beans JARs)  
- IDE (e.g., IntelliJ IDEA or Eclipse)  
- XML configuration skills

## 2. Folder Structure

SpringXMLDemo/  
├── src/  
│ ├── com/example/model/  
│ │ └── Country.java  
│ ├── com/example/main/  
│ │ └── MainApp.java  
│ └── applicationContext.xml  
├── lib/ (Spring JAR files)  
└── ...

## 3. Step-by-Step Implementation

### Step 1: Create the Country Class

File: Country.java  
Package: com.example.model

package com.example.model;  
  
public class Country {  
 private String name;  
 private String capital;  
  
 public Country() {  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getCapital() {  
 return capital;  
 }  
  
 public void setCapital(String capital) {  
 this.capital = capital;  
 }  
  
 @Override  
 public String toString() {  
 return "Country{name='" + name + "', capital='" + capital + "'}";  
 }  
}

### Step 2: Create Spring Configuration XML

File: applicationContext.xml  
Location: Inside src/ or resources/

<?xml version="1.0" encoding="UTF-8"?>  
<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">  
  
 <bean id="country" class="com.example.model.Country">  
 <property name="name" value="India"/>  
 <property name="capital" value="New Delhi"/>  
 </bean>  
  
</beans>

### Step 3: Create Main Class to Load Bean

File: MainApp.java  
Package: com.example.main

package com.example.main;  
  
import com.example.model.Country;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
public class MainApp {  
 public static void main(String[] args) {  
 ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");  
  
 Country country = (Country) context.getBean("country");  
  
 System.out.println("Country Name: " + country.getName());  
 System.out.println("Capital: " + country.getCapital());  
 }  
}

## 4. Output

Country Name: India  
Capital: New Delhi