Spring Core – Load SimpleDateFormat from Spring Configuration XML

# Hands-on 2 Steps

## 1. Objective

Avoid creating SimpleDateFormat instances repeatedly by defining it as a Spring bean in XML.

## 2. Create Spring XML Configuration

• Create file: src/main/resources/date-format.xml  
  
• Add the following content:  
  
<?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  
 https://www.springframework.org/schema/beans/spring-beans.xsd">  
  
 <bean id="dateFormat" class="java.text.SimpleDateFormat">  
 <constructor-arg value="dd/MM/yyyy" />  
 </bean>  
</beans>

## 3. Modify SpringLearnApplication.java

• Location: src/main/java/com/cognizant/springlearn/SpringLearnApplication.java  
  
• Final Code:  
  
package com.cognizant.springlearn;  
  
import java.text.ParseException;  
import java.text.SimpleDateFormat;  
import java.util.Date;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
@SpringBootApplication  
public class SpringLearnApplication {  
  
 public static void main(String[] args) {  
 SpringApplication.run(SpringLearnApplication.class, args);  
 displayDate();  
 }  
  
 public static void displayDate() {  
 ApplicationContext context = new ClassPathXmlApplicationContext("date-format.xml");  
 SimpleDateFormat format = context.getBean("dateFormat", SimpleDateFormat.class);  
 try {  
 Date date = format.parse("31/12/2018");  
 System.out.println("Parsed Date: " + date);  
 } catch (ParseException e) {  
 e.printStackTrace();  
 }  
 }  
}

## 4. Run the Application

• Right-click SpringLearnApplication.java → Run As → Java Application  
• Console should show:  
Parsed Date: Mon Dec 31 00:00:00 IST 2018

## 5. Troubleshooting

• If port 8080 is in use, open src/main/resources/application.properties and add:  
server.port=8081

Output:

