**Camel with Spring example**

1. Create a maven project:

mvn archetype:generate -DgroupId=com.camel -DartifactId=ApacheCamel -Dversion=1.0-SNAPSHOT -Dpackage=com.camel.hello.world -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

2. Make it to be importable into eclipse

mvn eclipse:eclipse -Dwtpversion=2.0

3. Add camel spring dependencies

|  |
| --- |
| <dependency>  <groupId>org.apache.camel</groupId>  <artifactId>camel-core</artifactId>  <version>2.17.1</version>  </dependency>  <!-- camel spring dependencies -->  <dependency>  <groupId>org.apache.camel</groupId>  <artifactId>camel-spring</artifactId>  <version>2.17.1</version>  </dependency>  <dependency>  <groupId>org.springframework</groupId>  <artifactId>spring-context</artifactId>  <version>4.2.6.RELEASE</version>  </dependency>  <!-- camel spring dependencies --> |

4. Complete pom.xml

|  |
| --- |
| <project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*  xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd"*>  <modelVersion>4.0.0</modelVersion>  <groupId>com.camel</groupId>  <artifactId>ApacheCamel</artifactId>  <packaging>jar</packaging>  <version>1.0-SNAPSHOT</version>  <name>ApacheCamel</name>  <url>http://maven.apache.org</url>  <dependencies>  <dependency>  <groupId>junit</groupId>  <artifactId>junit</artifactId>  <version>3.8.1</version>  <scope>test</scope>  </dependency>  <!-- http://mvnrepository.com/artifact/org.apache.camel/camel-core -->  <dependency>  <groupId>org.apache.camel</groupId>  <artifactId>camel-core</artifactId>  <version>2.17.1</version>  </dependency>  <!-- camel spring dependencies -->  <dependency>  <groupId>org.apache.camel</groupId>  <artifactId>camel-spring</artifactId>  <version>2.17.1</version>  </dependency>  <dependency>  <groupId>org.springframework</groupId>  <artifactId>spring-context</artifactId>  <version>4.2.6.RELEASE</version>  </dependency>  <!-- camel spring dependencies -->  </dependencies>  <build>  <pluginManagement>  <plugins>  <plugin>  <groupId>org.apache.maven.plugins</groupId>  <artifactId>maven-compiler-plugin</artifactId>  <version>3.5.1</version>  <configuration>  <source>1.8</source>  <target>1.8</target>  </configuration>  </plugin>    <plugin>  <groupId>org.apache.camel</groupId>  <artifactId>camel-maven-plugin</artifactId>  <version>2.17.1</version>  <!-- the file must be in the classpath -->  <configuration>  <applicationContextUri>camel-spring.xml</applicationContextUri>  </configuration>  </plugin>    </plugins>  </pluginManagement>  </build>  </project> |

5. camel-spring.xml

|  |
| --- |
| <?xml version=*"1.0"* encoding=*"UTF-8"*?>  <beans xmlns=*"http://www.springframework.org/schema/beans"*  xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns:camel=*"http://camel.apache.org/schema/spring"*  xmlns:util=*"http://www.springframework.org/schema/util"*  xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-3.0.xsd*  *http://camel.apache.org/schema/spring http://camel.apache.org/schema/spring/camel-spring.xsd*  *http://www.springframework.org/schema/util http://www.springframework.org/schema/util/spring-util-3.1.xsd"*>  <bean id=*"bean1"* class=*"com.camel.spring.TestBean1"*></bean>  <bean id=*"bean2"* class=*"com.camel.spring.TestBean2"*></bean>  <camelContext xmlns=*"http://camel.apache.org/schema/spring"*>  <route>  <from uri=*"file:E:/Backup/JavaPrep/Apache\_Camel/router\_practice\_folder/input?noop=true"*/>  <bean ref=*"bean1"*/>  <bean ref=*"bean2"*/>  <to uri=*"file:E:/Backup/JavaPrep/Apache\_Camel/router\_practice\_folder/output4"*/>  </route>  </camelContext>  </beans> |

6. TestBean1.java

|  |
| --- |
| **package** com.camel.spring;  **import** org.apache.camel.Exchange;  **public** **class** TestBean1 {  **public** String testBean(Exchange exchange) {  System.***out***.println("TestBean1.testBean(): " + exchange.getIn().getBody(String.**class**));  **return** "Test Bean1";  }  } |

7. TestBean2.java

|  |
| --- |
| **package** com.camel.spring;  **import** org.apache.camel.Exchange;  **public** **class** TestBean2 {  **public** String testBean(Exchange exchange) {  System.***out***.println("TestBean2.testBean(): " + exchange.getIn().getBody(String.**class**));  **return** "Test Bean2";  }  } |

8. App.java

|  |
| --- |
| **package** com.camel.spring;  **import** org.springframework.context.support.AbstractApplicationContext;  **import** org.springframework.context.support.ClassPathXmlApplicationContext;  **public** **class** App {  **public** **static** **void** main(String[] args) **throws** InterruptedException {  AbstractApplicationContext context = **new** ClassPathXmlApplicationContext("camel-spring.xml");  Thread.*sleep*(1000 \* 60 \* 2);  context.close();  }  } |

9. Project structure:

