

# Spring Java Config Example

## Spring Java Config Example

Simple Jar runner

Want to run your jar file and supply a list of packages / configuration classes and just see it run with Camel? Try `Main` from `org.apache.camel.spring` which even supports command-line flags.

The spring java config example is a simple refactor of the [spring example](#) since Camel 2.0 to show how to use the [Spring JavaConfig](#) approach to working with Camel. In this example we just write `RouteBuilder` implementations, then Camel will find it through your configuration.

**NOTE** From Camel 2.2.0, `camel-example-spring-javaconfig` can only work with Spring 3.x.

To run the example we use the [Camel Maven Plugin](#). For example from the source or binary distribution the following should work

```
cd examples/camel-example-spring-javaconfig mvn camel:run
```

You need to add `camel-spring-javaconfig` dependency into `pom.xml` and also set the configure class or base package in the camel plugin configuration.

```
<dependency> <groupId>org.apache.camel</groupId> <artifactId>camel-spring</artifactId> </dependency> <dependency> <groupId>org.apache.camel</groupId> <artifactId>camel-spring-javaconfig</artifactId> </dependency>
```

Here is the configuration for camel plugin.

```
{snippet:id=example|lang=xml|url=camel/trunk/examples/camel-example-spring-javaconfig/pom.xml}
```

What this does is boot up the Spring `ApplicationContext` defined in the file `MyRouteConfig` class on the classpath. This is a regular Java file which has the `Spring JavaConfig` annotation to configure a [CamelContext](#).

```
{snippet:id=RouteConfig|lang=java|url=camel/trunk/examples/camel-example-spring-javaconfig/src/main/java/org/apache/camel/example/spring/javaconfig/MyRouteConfig.java}
```

In the method of `setupCamelContext(CamelContext camelContext)`, we setup the JMS component's connection factory and register the component into the `camelContext`. You can override this method if you want to setup the another connection factory or start up a JMS broker here.

You can write the route rule with Java [DSL](#) in the `route()` method.

This approach, of using Java code to write the routes in the [DSL](#) and Spring will help your configure the Camel context as the [Spring Java Config Example](#) shows.